SASKATCHEWAN POLYTECHNIC 2023-2024 Calendar

Table of Contents

Table of Contents

Table of Contents

Table of Contents

General Information

Important Notice

This online version of the Saskatchewan Polytechnic Calendar is considered the official version of the Saskatchewan Polytechnic Calendar and catalogues the programs and courses available through Saskatchewan Polytechnic. While every effort is made to provide accurate and timely information, changes, errors, and omissions may occur. Saskatchewan Polytechnic reserves the right to revise or cancel the information contained in this Calendar at any time without further notice, including but not limited to programs, courses, policies and procedures, regulations, fees, delivery mode and schedules. In no event shall Saskatchewan Polytechnic be liable for any direct, indirect, incidental, punitive, or consequential damage related to changes to, revisions to, or cancelations of programs and/or courses. If a program and/or course is cancelled, tuition will be refunded for courses not delivered or only partially delivered. If a program and/or course is changed or revised, a refund is not applicable. Refer to Saskatchewan Polytechnic's website at http://saskpolytech.ca for up-to-date information and confirm this information with Registration Services.

Academic Regulations

As a student, you are required to comply with these academic regulations that include all Saskatchewan Polytechnic policies and procedures. Academic regulations are published to help you effectively pursue and achieve your academic goals while maintaining a high-quality learning environment. You are expected to familiarize yourself with these regulations:

- Saskatchewan Polytechnic policies and procedures at Policies and Procedures (saskpolytech.ca)
- Attendance
- Change of name, gender, SIN, or contact information
- Completion Documents, Credentials and Course Completion Timelines
- Course repeat
- Grading system
- Student dress
- Transcripts
- Withdrawal (voluntary)

More information about these regulations can be found at http://saskpolytech.ca/admissions/resources/academic-regulations.aspx.

General Information

The following is a brief description of general information about Saskatchewan Polytechnic. Students should review all pertinent information before enrolling in a Saskatchewan Polytechnic program. Refer to our website http://saskpolytech.ca for the most up-to-date information and for further details on each topic and other topics not mentioned herein.

Saskatchewan Polytechnic serves students through applied learning opportunities on Treaty 4 and Treaty 6 Territories and the homeland of the Métis. Learning takes place at campuses in Moose Jaw, Prince Albert, Regina and Saskatoon, and through extensive distance education opportunities. Programs serve every economic and public service sector. As a polytechnic, the organization provides the depth of learning appropriate to employer and student need, including certificate, diploma and degree programs, and apprenticeship training. Saskatchewan Polytechnic engages in applied research, drawing on faculty expertise to support innovation by employers, and providing students the opportunity to develop critical thinking skills.

How to Apply

You can apply for admission to a Saskatchewan Polytechnic program using one of three methods:

- Online
- In person (at Registration Services)
- By mail

Payment options include cheque, cash, Visa or MasterCard.

Admission Requirements

Admission requirements are established for all approved programs. They are stated on each program's official web page and published in official print materials. The First Qualified/First Admitted (FQFA) process is used for the majority of Saskatchewan Polytechnic programs. A small number of Saskatchewan Polytechnic programs are designated as competitive, involving a specific competitive admission process and requirements.

The established admission requirements consider the academic rigor, curriculum content, industry standards and other factors directly related to a student's success in the program. Admission requirements may change in accordance with Sask Polytech Policies and Procedures.

Admission requirements may include grade levels, grades, averages, scores, skill proficiency, work experience, licenses, membership, criminal record checks, age or special admission provisions. For more information refer to Admission Requirements (saskpolytech.ca)

Financial Assistance

Need help paying for your tuition and fees? Investigate these options to see if you qualify or visit:
Financial Assistance (saskpolytech.ca)

- Canada-Saskatchewan Career Employment Services (CSCES)
- Children of Deceased Veterans Education Assistance Act
- HigherEdPoints.com
- Laptop Purchase Program
- Student Loans
- Veterans' Education and Training Benefit
- Windmill Microlending

Also, consider applying for student scholarships and awards:
Student Awards (saskpolytech.ca)

Tuition and Fees

Tuition Fees are charged for providing the education, training and credentialing of a program. Once you are accepted, a non-refundable deposit toward your tuition is required to confirm that you accept the admission offer. Tuition and fees are due on the first day of classes.

For more information, refer to Tuition and Fees (saskpolytech.ca) or the Tuition and Fees policy, procedures and fee schedule at tuitionandfees1214.pdf (saskpolytech.ca). The applicable Saskatchewan Polytechnic main campus schedule or the International Student Admissions information may also provide more specific details.

Prior Learning Assessment and Recognition (PLAR)

PLAR credit assesses what you know, no matter how you learned it. Knowledge and skills may be acquired through work, non-formal training, independent study, volunteer activities and hobbies. For example: *If you learned computer skills at work, you may be eligible to challenge PLAR credit for a Sask Polytech computer skills course.*

PLAR is an option if you:

- Cannot get transfer or equivalency credit for the same course(s).
- Have previous learning that matches the learning outcomes for one or more courses available for PLAR credit in your program.
- Are willing and able to prove what you know.
- Meet your program's PLAR eligibility criteria.
- Consult with the program head and are approved for PLAR.
- Are prepared to pay the PLAR fee that is 75% of the tuition you would have paid.

To learn more about PLAR, visit: https://saskpolytech.ca admissions/get-credit/plar.aspx

Transfer Credit

Many Sask Polytech students benefit from transferring course credit. You may be eligible to transfer credit to Sask Polytech or to another college or university. For how to Transfer credit to Sask Polytech see https://saskpolytech.ca admissions/get-credit/transfer-credit-to-sask-polytech.aspx. For how to Transfer credit to another institution see https://saskpolytech.ca admissions/get-credit/transfer-credit-to-another-institution.aspx

Services for Students

Saskatchewan Polytechnic offers a wide variety of services to students at our four campuses. Following is a list of many of our services with a brief description of what we offer. For more in depth information, visit https://saskpolytech.ca about/

Accessibility Services

Accessibility Services is committed to ensuring that equal access for students with disabilities is provided at Saskatchewan Polytechnic. The Accessibility Consultants take pride in offering excellent services and supports. We are available to help you in person and from a distance.

Students with disabilities together with their Accessibility Consultant work to identify the best solution for academic success. Accessibility Services looks forward to working with you to achieve your academic goals.

Whether you are a student who is accessing online or in-person courses, there is a broad range of supports including academic accommodations and assistive technology training available.

Saskatchewan Polytechnic Accessibility Services include:

- Designated Seating
- Learning Related Supports
- Funding for Learning Supports
- Early Start Transition Workshop

For more information refer to: https://saskpolytech.ca student-services/support/accessibility-services.aspx

Bookstores

Campus bookstores are your one-stop shop for all your course materials including textbooks, ebooks, stationary, merchandise, giftware and clothing. Visit the following for more information: https://saskpolytech.ca student-services/academic/bookstores.aspx

Child Care

Child care services are available for students and employees of Saskatchewan Polytechnic and are currently offered at our Regina Campus, Prince Albert Campus and Saskatoon Avenue W Centre. All three child care centres employ staff who are early childhood educators. Visit the following for more information: www.saskpolytech.ca/student-services/resources-and-reference/child-care.aspx

Counselling Services

During your time at Saskatchewan Polytechnic, you may experience challenges and stressors within your academic and personal life. Our counsellors provide a safe space and tailor the appointment to your needs. As a Sask Polytech student you can access personal and academic counselling services, free of charge. Indigenous counsellors are available upon request. Counselling appointments are confidential and private.

Learn more about the resources available to support your mental wellbeing.

Our counsellors are here for you. They provide a safe environment to discuss your concerns, help you understand your strengths, learn new skills and empower you to set goals and make changes. Contact with a counsellor may be client initiated or the result of a referral. Support can be brief or ongoing and community resources may be suggested. Counsellors currently see students over Zoom and in person.

Dental Clinic

Sask Polytech's dental clinic at the Regina campus offers dental hygiene and services. Clients of all ages are welcome. Clients are expected to stay for approximately 2.5 hours. More than one appointment will be required for most services.

Dental care is provided by licensed dental therapists, dentists and dental assistants who are assisted by Sask Polytech dental assisting students. Dental hygiene care is provided by Sask Polytech students, under the supervision of licensed dental hygienists and dentists.

To schedule your appointment, call 306-775-7531.

Services offered:

- Dental hygiene and care
- Examinations
- Extractions
- Fillings
- Fluoride treatments
- Mouth Guards
- Nutrition and tobacco cessation information
- Oral cancer screening
- Pit and fissure sealants
- Scaling and polishing
- X-rays

Education Equity

Saskatchewan Polytechnic has had a comprehensive Education Equity Program since 1990. This allows us to work towards developing a student body that represents every segment of Saskatchewan's population. The Education Equity program, in accordance with Saskatchewan Human Rights Commission guidelines, seeks to assure enrolment and graduation of these designated groups:

- people of Indigenous ancestry
- people with one or more disabilities
- members of visible minority groups
- women interested in trades or technology.

Enrolment Services

Enrolment Services is responsible for a range of administrative services that support prospective and current students. We coordinate and administer Saskatchewan Polytechnic functions such as:

- admissions
- registrations
- graduation
- tuition and fee assessments
- student loans
- fee payments
- photo identification cards
- T2202A tax receipts
- student records (academic and biographical)
- enrolment verification
- transcripts and credentials

Food (Hospitality) Services

Tasty, nutritious, and affordable food choice can make the difference between a great campus experience and an awesome one. Saskatchewan Polytechnic Hospitality Services aims for the awesome. We are committed to meeting the dining needs of all students, staff and faculty, whether it is a freshly brewed cup of gourmet coffee, a light bite before class or a four-course gourmet dinner. Our wide range of contemporary food choices suit today's lifestyle and our excellent service ensures that dining at Sask Polytech is a pleasant, personalized experience. For more information on daily menus, location, hours of operation, etc., visit: Where to eat at Saskatchewan Polytechnic (saskpolytech.ca)

A variety of vending machines are located throughout the Moose Jaw, Prince Albert, Regina, and Saskatoon Campuses.

Health Services

As a Saskatchewan Polytechnic student or employee, you can access a registered nurse conveniently and confidentially at any of our main campuses. Whether you're feeling stressed out, need treatment or support, or require specific health information, come and see us. Walk-in at your convenience or make an appointment to fit your schedule. Health services include:

- Health information and counselling
- Health promotion activities
- Immunizations
- Minor first aid
- Referrals to health professionals

Housing

Are you relocating to attend Saskatchewan Polytechnic? Our four campus cities offer a variety of short and long-term housing options. Check out your campus location for more city-specific housing information by visiting the following Sask Polytech website Housing (saskpolytech.ca) or check out the Sask Polytech's Students' Association housing registry for their listings.

Saskatchewan Polytechnic Prince Albert Campus features 36 two-bedroom townhouse-style units, including two wheelchair-accessible suites. The units are intended to provide quality, safe and affordable rental accommodation for full-time students, apprenticeship students and students with families.

Students attending the Regina Campus may want to consider:

- The University of Regina student residences. For more information, visit: https://www.uregina.ca/housing/
- The Student Village at Luther College. For more information, visit The Student Village (luthercollege.edu)

Indigenous Student Experience

Anin Sikwa, Edlanet'e, Eau Koda, tawâw, Tanshi and Welcome!

Welcome to Saskatchewan Polytechnic on Treaty 4 and Treaty 6 Territories and the homeland of the Métis. Indigenous students are an important part of Sask Polytech's community. Based on the

principles of miyo wâhkôhtowin (good relationships), we strive to provide a place of belonging where all students can feel welcomed, inspired, and empowered.

Our Indigenous student advisors and support team are here to help you with career planning, funding, housing, child care, and more. Each one of our campus locations feature an Indigenous student center where you'll find access to cultural supports, community connections, campus events, elder services, and other academic resources. Indigenous success is celebrated in our communities though events like our Honour Ceremonies. Students have an opportunity to help shape the student experience by participating in our advisory committees.

Indigenous Students' Centres

Sask Polytechnic has an Indigenous Students' Centre in each of our campus cities. These centres provide support on both school and personal matters to Indigenous students and helps to ensure that their experience is the best it possibly can be.

The centres are open Monday to Friday, 8:15 am to 4:00 pm

Indigenous Student Advisors

Saskatchewan Polytechnic helps support Indigenous student success through dedicated student advisors. Indigenous student advisors create student success by providing:

- A friendly face, helpful connections to services and support
- Orientation to Saskatchewan Polytechnic and surrounding community
- Referrals for tutorial support
- Funding, housing, budgeting, and employment information
- Connections to outside resources and networks
- Assistance organizing study groups and informational, social, and cultural events

For more information on Indigenous services, visit: https://saskpolytech.ca student-services/support/indigenous/indigenous-students-resources.aspx

International Students

Welcome new and returning students!

Thank you for making Saskatchewan Polytechnic your post-secondary educational institution of choice. Your educational experience should be personally and academically rewarding. And we want to help.

This guide is to help you adjust to life in Saskatchewan, Canada and support you while you attend Sask Polytech. You will find practical material ranging from information you might need before arriving, including:

- important housing, shopping and transportation options;
- basic information that will help you while attending Sask Polytech; and
- possible immigration options you can pursue once your studies are completed.

If you require any support or have any concerns, please do not hesitate to contact our office. We have a dedicated team here ready to assist you.

We have international student advisors on each campus city as well as part-time student assistants that can assist you during the school year. Our team is also comprised of two language specialists who can assist you throughout the year with technical language support and study skills. Finally, we have two intercultural counsellors to assist with your transition to Canada and post-secondary life while here.

Keep an eye on your Sask Polytech inbox for special events offered to our international students, on-campus activities as well as information that we share regarding immigration matters.

For more information, visit: https://saskpolytech.ca programs-and-courses/international/guide.aspx

Learning Services

Need help with assignments and homework? Not sure how to start your paper? Worried about your mid-term? Need to refresh your math skills? Falling behind in your readings?

Saskatchewan Polytechnic students and faculty can access Learning Services for support.

Learning Services is just a click away! To access any of the following, please refer to: https://saskpolytech.ca student-services/academic/learning-services.aspx

- Book a Tutor
- Attend Subject Specific Tutorial
- Access Student Survival Tools 24/7
- Submit Online Writing Request

Library Services

Libraries are an integral part of the Saskatchewan Polytechnic educational process, providing prompt and courteous services to fulfill the information needs of students, staff and instructors. Learning and teaching are supported by developing, maintaining, and ensuring access to relevant collections in all formats and adopting appropriate technologies and instruction methods.
For more information visit: https://library.saskpolytech.ca

Parking and Transit

Saskatchewan Polytechnic charges for parking at its facilities and maintains the right to periodically review and adjust its parking rates. Paid parking is in effect between 6 a.m. and 10 p.m., seven days a week, excluding statutory holidays. Anyone without a valid hang tag, a pay and display ticket or arranged parking through the HonkMobile App will need to purchase one of the above and have it prominently displayed. Hangtags are for staff only and are not available to students.

Public transportation options are available to get to most campus locations. Saskatchewan Polytechnic encourages the use of environmentally friendly transportation alternatives, such as public transit, carpooling, biking, etc. whenever possible.

All Saskatchewan Polytechnic campuses have idle-free zones. Drivers who use vehicle turnarounds or loading zones while on

campus are asked to turn off vehicle ignitions while waiting or making deliveries.

Student Relations Office

At Sask Polytech, we expect our students to act in ways that reflect our core values of respect, integrity, excellence and sustainability. We encourage you to familiarize yourself with our codes of conduct governing student behaviour in both academic and non-academic matters. A lack of awareness will not excuse misconduct so knowing what's expected—and how we address issues if they arise—will help you to understand your rights and responsibilities and contribute to a positive educational experience.

In addition to the codes of conduct discussed below, students also have rights and responsibilities under other Sask Polytech policies governing behavior, including those related to violence, sexual assault and sexual violence, IT use, and harassment. For more information, please see Student Relations Office (saskpolytech.ca)

Student Employment Services

Get noticed! Student Employment Services (SES) connects Saskatchewan Polytechnic students and alumni with employers. Looking for a job? Employers looking for Sask Polytech grads post to our job board.

SES is here to support our registered students. We help with:

- Resume review and development
- Cover letter review or creation
- Interview preparation
- Finding employer information
- Job search tools
- Understanding labour market trends

For more information on what SES offers, please see Student Employment Services (saskpolytech.ca)

Saskatchewan Polytechnic Governance Administration and Faculty

Saskatchewan Polytechnic Governance, Administration and Faculty

Saskatchewan Polytechnic Board of Directors

Holash, Mitchell, K.C., S.V.M., BA, J.D. – Board Chair
Bode, Cari, Dip. (Arts, Bus. Admin.), Pro.Dir.Gov. – Board Vice Chair
Cooper, Mark, MBA, PMP
Desjarlais, John, P.Eng., MBA, PSGov.
Johnson, Jill, MPAcc, CPA-CA
Jose, Steven
Leier, Bryan, Jny. Autobody Rep. Tech.
Lerat, Jamie, MBA
Low, Karen, B.Comm.
Lowe, Cindy, B.Comm., B.Ed., M.Ed., PSGov.
Payne, Rosalie, CFP, C.Dir, MBA
Student Representative – Jose, Steven

Saskatchewan Polytechnic Senior Management Council

Rosia, Larry S., PhD, ICD.D – President and Chief Executive Officer
Malik, Has, PhD – Provost and Vice President, Academic
Schmitz, Cheryl, B. Comm., M.ED., CPA, CMA – CFO and Vice President, Administrative Services

Vice Provost

Mackay, Dan, B. Comm., M.ED. – Interim Vice Provost, Academic

Special Advisor to the Provost

De Ciman, Phoebe, MA, BA (Hons), B.Sc. – Special Advisor to the Provost
Vuong, Lucy, B.Comm., CPA, CMA – Director, Academic Planning and Analysis

Associate Vice Presidents

Blum, Susan, B.Sc. (Honors) PhD – Associate Vice President, Applied Research and Innovation, Interim Dean, School of Continuing Education
Bourque, Gwen, Dip. (CST), OMM, CD, MAIS, PMP, BRMP – Associate Vice President, Information Technology Services
Braid, Kaveri, BAJ - Associate Vice President, Communications, Marketing & Retail Services
Brown, Kris, B.Comm., MBA – Associate Vice President, Advancement
Carswell, Terence, BA, CMS, CHRP – Associate Vice President, Human Resources
Engemoen, Sean, B.Comm., CPA, CA – Associate Vice President, Financial Services
Gillespie, Michael, BHK, M.Sc., MBA, PhD – Associate Vice President, Learning & Teaching
Gue, Kevin P.Eng. M.Sc. – Associate Vice President, Campus Planning, Design and Construction
Miller, Alice, BGS, Mgt. Cert., MBA – Associate Vice President, Student Services
Pather, Thevi, BA, B.Sc.., PBD, MA – Associate Vice President, International
Pereira, Lucilla (Lucy), BA, MA, ICD.D – Associate Vice President, Strategy

Deans

Blum, Susan, B.Sc. (Honors) PhD – Interim Dean, School of Continuing Education
Craig, Kristen, M. Admin, Leadership, BA AE, CPA, CMA – Interim Dean, School of Business, School of Information and Communications Technology
MacLean, Christa, RN, BScN, MN – Dean, School of Nursing, School of Health Sciences
Maddin, Kelly, B.Ed. – Interim Dean, School of Hospitality and Tourism, School of Human Services and Community Safety and Department of Literacy and Adult Education
Suru, Brenda, Cert. (Microcomp. Mgmt.), Dip. (Rec. Tech.), B.Sc. – Interim Dean, School of Mining, Energy and Manufacturing, School of Natural Resources and Built Environment, Department of Co-operative Education

Associate Deans

Downey, Kirsten, MBA, B Admin – Interim Associate Dean
Duperreault, Dan, Inter-Prov. Jny. (Partsperson), Cert. (Post-Sec. Voc.) – Associate Dean, Joseph A. Remai School of Construction, School of Transportation
Hastings, Terry, ACP, BHSc, EFD – Associate Dean, School of Health Sciences
Herman, Deanna, BA, MA – Interim Associate Dean, School of Mining, Energy and Manufacturing, School of Natural Resources and Built Environment, Department of Co-operative Education
Kobussen, Robyn, RN, MN – Associate Dean, School of Nursing
Savage, Sarah, BA (Psychology and Anthropology), M.Admin, PMP Interim Associate Dean, School of Hospitality and Tourism, School of Human Services and Community Safety and Department of Literacy and Adult Education

Directors

Crosby, Nicholas, Cert. (Prof. A Teach.), B.Ed., M.Ed. – Director, Learning Technologies
Ellis, Bernice, SCMP, MBA, GDM – Director, Strategic Procurement, – Interim Associate Vice President, Facilities Management
Elsasser, Mike, Dip (Computer Systems Technology), PMP, BRMP – Director, Business Process – Strategy
Fedirko, Sarah, BBA – Director, Alumni & Donor Engagement, Advancement
Freire, Danny, B.Sc., M.Ed. – Director, Enrolment Services & Registrar
Vacant – Director, Marketing
Frook, Jennifer, Dip. (CST), PMP, CBRM – Director, IT Client Relations, Information Technology Services
Fu, Annie, BA (Hons.) – Director, International Enrolment
Furniss, Shari, Cert (Prof Cooking), B.Ed., Cert. (Prof. A. Teach.), BA, M.Ed.

Saskatchewan Polytechnic Governance Administration and Faculty

Gagnon, Derrick, Dip. (CST) – Acting Director, IT Operations, Information Technology Services
Gartz, Faye, RN, B.Sc., BN, MEd – Director, Flexible Learning
Heal, Patrick, B.Comm., CPA, CA – Director, Financial Operations
Humm, Lolita, Cert. (Labour Rel.); (HR Advanced), Dip. (Bus. Admin.); (Bus. HR), CPHR – Director, Employee Relations
Hurlbert, Wallace, BAdmin., MBA – Director, Health, Safety & Security
Kinelovsky, Dasha, B.Sc., MA (Mathematics) – Director, Instructional Leadership and Development Centre
Lozinski, Starla, B.Comm., CPA, CMA – Director, Financial Planning
Marshall, Deirdre, BA, BAC, CHRP – Director, Human Resource Advisory Services
Meegan, Aidan, BA, MLIS – Director, Library & Testing Services
Molnar, Jody, BA – Director, Advancement Services
Murawsky, Alison, B. Comm – Director, Marketing
Nuell, Mark, (CET), BA, PMP – Director, IT Infrastructure, Information Technology Services
Osburn, Chaz – Director, Communications
Press, Madeline, RN, MN, PhD – Director, Centre for Health Research, Innovation and Scholarship, Simulation Centres
Risling, Nathan, B.Comm., MBA, MPA, PSGov – Director, Strategy
Rogers, W. Kevin, BA, B.Comm., LL.B. – Director, Governance, Privacy & Corporate Agreements
Saunders, Raymond, Dip. (Comp. Eng.), MBA – Director, Strategic Architecture and Security, Information Technology Services
Smith, Robin, BA, MA, PhD – Director, Sustainability-Led Integrated Centres of Excellence (SLICE)
Speidel, Deanna, BISW – Director, Indigenous Strategy
Sperlie, Laura, BBA, M.Ed. – Director, Strategic Enrolment Management; Interim Director, Accessibility Services
Strong-Garcia, Kendra, B.Ed., Dip. (YCW), PGC (Community Economic Dev.) – Director, Student Engagement & Learning Services; Interim Director, Counselling and Health Services
Wojcichowsky, Angela B.Comm., MPA – Director, International Partnerships & Projects
Watson, Jocelyn, B.Kin, B.Ed, M.Sc., PhD – Director, Human Resource Strategy Development
Weightman, Brennen, BBA – Director, Facilities Management
Werner, Erin Cert. (Hospitality), Cert. (Economic Development), BA, MAdmin (Leadership) – Director, Giving
Youzwa, Gerry, BA – Director, Corporate Training Solutions

Learning and Teaching

Instructional Leadership and Development Centre

Moose Jaw Campus
England, Selinda, B.Music, MA **–** Program Head

Saskatoon Campus
Arneson, Angela, Cert. (Prof. A Teach), BA, B.Ed., M.Ed.
Bodnaryk, Benjamin, BA (Hons.), MA
Maddison, Tasha, BA, MLIS
Tymchatyn, Pat, BA (Adv. Cert, Pub. Admin.), MBA

Regina Campus
Manweiler, Jeralyne, Cert. (Prof. A Teach.), BA (Hons.), B.Ed. (Hons.), MA, M.Ed.
Marshall, Kimberly, Cert. (Prof. A Teach), Dip. (HR), B.Ed., M.Ed.
Strandlund, Nicole, Cert. (Prof. A Teach) B.Ed., M.Ed.
Gervais, Wendy, Cert. (Prof. A Teach.), B.Ed.

Prince Albert Campus
McCloy, Carrie, BSW, MSW

Learning Technologies

Saskatoon Campus
Jarvis, Laurie, B.Ed., M.Ed.
Matheson, Justin, B.Ed., M.Ed.
Meckelborg, Amy, BSW, B.Ed., M.Ed.
Ng, Diana, B.Sc. (Hons.), MET, MLIS – Program Head, Instructional Design
Schindelka, Barb, B.Ed., M.Ed.
Skurdal, Randy, B.Sc., BA, B.Ed., M.Ed.
Trottier, David, BFA, M.Ed.

Moose Jaw Campus
Coupal, Joshua, Dip. (Biotech), BA, B.Ed.
Dubien, Danielle, B.Sc., M.Sc., B.Ed., MET, PhD
Hu, Kelvin, BA, MA, M.Sc. – Program Head, Learning Technology Training
McCann, Amanda, BA, B.Ed., M.P.Ed.

Regina Campus
Flegel, Keenan, B.Kin.
Hrycyshen, Grace, Cert. (Admin.), Dip (Legal Assist.), B.Ed., M.Ed.
Peterson, Danielle, B.Ed., Post Dip.Cert. (HR), Cert. (Adult Ed.)
Schroeder, Curt, Cert. (Admin.; Comp. Sci.; Multimedia & Internet Dev.), B.Sc., M.E.Des.
Zubot Mitchell, Myra, BSW, M.C.Ed.

Prince Albert Campus
Bendle, Cathy, Cert. (Prof. A Teach.), B.B.S., B.Ed.
Carswell, Nancy BA, B.Ed., MA
Martin, Glenys B.Ed., M.Ed.
Riese, Deanne, Cert. (MCM, V/T.Ed.), MALAT
Udey, Wayne, Cert. (Prof. A Teach.), B.Ed., M.Ed.

Library Services

Moose Jaw Campus
Shrubsole, Jennifer, BA, MA, MLIS
Walston, Miranda, AA, BA, MI

Saskatoon Campus
Burke, Kelly, BA, MLIS
Ha, Chau, BA, BScN, MLIS
Harrison, Fabian, Met. Tech., B.Sc., MLIS
Thiessen, Donna, BA, B.Ed., MLIS
Verishagen, Nina, BA, MLIS – Program Head, Librarian Liaison Services

Regina Campus
Ashcroft, Megan, BA, MA, MLIS
Dalidowicz, Michelle, BA, MLIS
Nielsen, Juliet, BA (Hons.), MLIS – Manager
Ossea, Jackson, BA (Hons.), MI

Saskatchewan Polytechnic Governance Administration and Faculty

Prince Albert Campus
Baetz, Jennifer, BMus., MLIS
Balfour, Regan, BA (Hons.), MLIS – Manager
Yates, Darrell, BA, B.Comm., MLIS

Simulation Centres
Hastings, Terry, ACP, BHSc, EFD – Associate Dean, School of Health Sciences
Natasha Stefaniuk, BHRLR (Hons), Dip. (ACCT) – Academic Chair

Saskatoon Campus
Delveaux, Kara, ACP, BHSc-P – Program Head
Hunter Molly, RN, MScN, CMSN(C), CCNE
Myles Tuchscherer- ACP, BHS
Peet Janelle, RN, BScN, PNC(C), CCNE

Regina Campus
Wiens, Nicole, RN, B.Sc.B, BScN – Program Head (on leave)
Brunskill, Carmen, RN, BScN, MScN
Duchcherer, Crystal, RN, BScN, MN
Palandri, Loreli, RN, BScN, MsN – Interim Program Head
Teetaert, Janaya, RN, RPN, BScN
Storey, Suzanne – RN, BScN, BA

Quality Assurance and Learner Pathways

Regina Campus
Gosse, Lisa, Learner Pathways Facilitator, B.Ed., Cert. (Prof. A. Teach.), M.Ed.
Ward, Janet, B.Ed., BAdmin., MET
Seidler, Lindsay, Manager, BBA, B.Ed., Cert. (Prof. A. Teach.), M.Ed.

Moose Jaw
McLeod, Tenielle, Learner Pathways Facilitator, Advanced Cert. (Adult Education), BA, MA

Saskatoon
Pidwerbeski, Michael, Coordinator – Brokerages, BA, M.Ed.
Stalwick, Amanda, Program Development Consultant, BA, B.Ed., M.Ed.
Adair, Ange, Program Development Consultant, Certificate (CELTA), B.F.A. (General Fine Arts), M.Ed. (Educational Technology)
Ake-Farden, Donna, Program Development Consultant, CDA, BAET, M.Ed.

Arts & Sciences

Martyniuk, Devin, FCP, B.Sc. – Acting Academic Chair, Arts & Sciences

Moose Jaw Campus
Langman, Blaine, B.Sc., B.Ed. – Program Head
Bingham, Andrew, PhD
Chuang, Gretchen, ESET dipl., B.Sc. (Hons.)
Chubey, Dallas, B.Ed.
DeCorby, Mike, B.Ed.
Dyck, Katherine, BA (Hons.)
Fitzpatrick, Mark, B.Sc. B.Ed.
Geng, Beth, B.Eng., M.Sc.
Ghaffar, Abdul, B.Sc. (Hons), B.Ed., M.Sc.
Gust, Scott, PhD
Hendrickse, Joshua, PhD
Robertson, Dulce, BSEd, MAT, PhD
Rochon, Andrew, B.Sc. (Hons.)
Staples, Dave, B.Sc. (Hons.), B.Ed., M.Sc., M.Ed.
Wall, Kevin, BA, B.Sc.
Wei, Sophie, B.Sc. (Math), M.Sc. (Math), M.Sc. (Stat), PhD

Prince Albert Campus
Sundby, Brenda, B.Ed. – Program Head
Brockman, Annette
Hourie, Trisha
Miller, Sheldon, B.Sc. (Environmental Science, Mathematics), M.Sc. (Mathematics)
Mortimer, Roger

Regina Campus
Morrison, Stephanie, B.Sc., M.Sc., DC – Program Head
Alcantara Medeiros, Mylena
Cross, Cara, Dip. BA, B.Ed.
Dzioba, Heather, RD, B.Sc., M.Sc. (Nutrition)
Forrest, Tyler, BA, B.Ed., MA
Hwang, Florence, BA, BJ, MLIS, MJ
Jahan, Rashid, Dip. (TESOL), BA, MA (English Literature)
Jassar, Parvinder, Cert. (Prof. A Teach.), B.Sc, M.Sc (Maths), B.Ed.
Johnson, Annette, BA (Hons.), MA
Johnson, Verna
Kayseas, Linda, INCA, BA (Indigenous Studies), BSW, MSW
Knuttila, Erin, BA (Hons.), MA
Krajewski, Maegan
Markel, Robin, BA, MA
Masanika, Adili, B.Sc.., M.Sc.
McLeod, Kristen
McPherson, Lee, BA, MA
Nagel, Natasha, BA (Hons), M.Sc.
Ostapchuk, Sarah, BA Hon, MPC
Patel, Nayan, B.Sc., M.Sc., PhD
Rodriguez Ordonez, Hugo, B.Sc. M.Sc. PhD
Sosna, Donald, BES, BA, M.Arch.
Supap, Teeradet, B.Sc., M.Sc., PhD
Swystun, Lenore, BA Hon, MA (Sociology), RPP
Tyson, Erin, B.PAS, M.Sc.., CSEP, CEP
Usman, Ajmal, MD
Wood, Tyler, B.Sc., M.Sc., PhD

Saskatoon Campus

Lapointe, Carina, BA, ATL, MA – Acting Program Head
Bassett, Tony
Berner, Nili, BA, M.Sc., PhD Candidate
Besharah, Gregory, BA (Hons.), MA
Bhagat, Raginaben
Brunet, Sophie, BAC, CACE Cert. (Online Learning), DEC, B.Sc., Ph.D., Chemist (Prof.)
Buckley, Wendy, MD
Burton, Susan, B.Sc. (Hon), M.Sc., MA
Campbell, Greg, BA, MJC, M.SC. (Adolescent Education)
Chabun, Judy-Anne
Craigh, Sarah
Emadi, Bagher, B.Sc., M.Sc., PhD
Finlayson, Kari, BA, M.Ed.
Groenen, Wilma

Saskatchewan Polytechnic Governance Administration and Faculty

Heagle, Fred, Adv. Cert. (Comp. Sci.), B.Sc.
Holtslander, Mayah, are Cert. (TESL), Ad. Cert. (ATL), BA, MA
Hrycuik, Christine, BA, M. Psyc.
Jassar, Parvinder, Cert. (Prof. A Teach.), B.Sc, M.Sc (Maths), B.Ed.
Kassian, Donna, B.Ed., M.Ed.
King, Denis, Cert. (Prof. A Teach.), BGS, B.Ed.
Lundgren, Jeff
Matheson, Laura, BA, MA
Mehzabin, Marzia, BSS, MSS (Sociology), M.Ed. (Educational Leadership, TESOL)
Newell-Olson, Ashtyn, B.Ed.
Pahwa, Neerja, Cert. (Prof. A Teach.), FCP, B.Ed., B.Sc., M.Ed., M.Sc.
Papp, Theresa, BA, CDP, M.Ed., MBA, PhD
Redford, Jasmine
Regier, Robert
Rijal, Sanjeev, B.Sc., M.Sc.
Roy, Anupam, ATL, B.Sc., M.Sc.
Sanders, Lee, BA (Hons.), MA, PhD
Scarrow, Kristine, BA, MFA
Steele, David, Cert. (TESL, Physics), B.Sc. (Adv.), M.Sc., PhD
Yanez, Rodrigo
Zeng, Renying, B.Sc., M.Sc., PhD

Student Services

Career Counselling

Prince Albert Campus
Munro-McFarlane, Laura, BA, MC, CCC

Saskatoon Campus
Saunders, Kathy, M.Ed. CCC

Regina Campus
Houchin, Chantelle, BSW, CT/RTC

Co-operative Education

Moose Jaw Campus
Morrison, Ian, B.Comm., MAED – Program Head
Buettner, Blake, B.Ed.
Hanson, Jocelyn, BBA
Kwasnica, Anna, A.Sc.T., Dip. (ENV), CAET
Lahamy, Herve, PhD, P.Eng
Martynook, Jacqui, B.Ed. (Prof..A Teach.), CAET
McCulloch, Bernadette, B. Admin. CAET
Osborne, Trudy, Dip. (Comp. Support, LAN Admin.), CAET, BA (Adult Education), Cert. Human Resource Mgmt.
Sebastian, Tony, Inter-Prov. Jny. (Elect.)
Vanbocquestal, Brandi, Dip. (ARCH)

Counselling, Health & Accessibility Services

Saskatoon Campus

Hootz, Terra, BA, M.Ed., R. Psych. (APE) – Manager, Accessibility Services
Davis, Genevieve, BA (Hons.), M.Ed., CCC
Dunlop, Wanetta, M.Ed., R. Psych. (APE)
Forsyth, Sasha, B.Ed., M.Ed., CCC
Hare, Chandra, M.Ed., R. Psych (Provisional)
Isabelle, Nicole, B.Ed., M.Ed.
Karlson, Jay, BA, BSW, MSW
Kaye, Lyle, M.Ed. R. Psych (Provisional) (Non-Practicing)
Kloeble, Candice, RSW, BSW, M.Ed.
May-Melin, Gail, BA, B.Ed., Cert. (Prof. A Teach.), M.Ed., R. Psych.
McKay, Shelley, RN
Mohagen, Robin, BA, M.Ed.
Neill, Calum, M.Ed., R. Psych (Provisional)
Redekopp, Maureen, BHJ, BSW, MSW, RSW (SK)
Wells, Kelly, B.Sc. KIN
Wiebe Macnab, Joni, B.Ed., M.Ed., R. Psych. (APE)

Moose Jaw Campus
Bellrose, Sheila, BA, M.Ed., R. Psych. (APE)
Demoskoff, Jeremy, MC, RPC
Gomersall, Stephanie, BA (Hons), M.Ed., R. Psych. (Provisional)
Kitts, Jana, RN, BScN
Knoop, Chris, Cert. (Adult Ed.), BKIN, CSEP-CPT
Landry-Dixon, Marissa, ACET, BSW, M.Ed., R. Psych., CCC

Regina Campus
Andersen, Meranda, BA, MC, CCC
Banman, Duane, B.Sc., CSEP–CEP
Galenzoski, Heath, BA, B.Ed.
Gelsinger, Val, BSW, MSW, RSW
Heshka, Jill, RN, BScN
Hill, Kerri, M.Ed., R. Psych.
Kaufmann, Amy, B.Ed., M.Ed. (Psych) Cert. (Prof. A Teach.), R. Psych. (Provisional)
Koutsoulis, Lisa, RN, BScN
MacLean, Marilyn, M.Ed., R. Psych. (APE)
MacSorley, Rachelle, M.Ed. R. Psych.
Yim-Rodier, Jennifer, B.Ed. M.Ed., CCPA
Sayer-Brabant, Stacey Dawn, BSW, RSW
Wolbaum, Kim, BSW, MSW

Prince Albert Campus
Workman, Cara, BA, MSW, RSW – Manager, Counselling Services
Bell, Denise, RN, BScN
Halcro, Karla BAACS
Harper, Monica, Human Services (Cert.), AAS, BSW, RSW
Powell, Carla, BA, B.Ed. M.Ed.
Turner, Grant, BA, M.S. (KIN), CSCS, HPTC

Student Engagement & Learning Services

Saskatoon
Healey, Susan, BA, Cert. Ed. (Prof. A Teach.), MA (Counselling and Psychology)
Huard, Logan BA (hons.), MA, Cert. Global Studies
Konkin, Della, B.Ed., M.Ed. (Prof. A Teach.)
Lehmkuhl, Paul, B.Sc. (Hons.), B.Ed., Cert. (Prof. A Teach.), M.Ed.
Poundmaker, Shannon, BA
Regier, Robert, BA (Hons.), MA

Regina
Mackenzie, Ann, Cert. (Adult Ed), BA, BED Cert. (Prof. A Teach.) – Program Head, Learning Services

Masanika, Adili, B.Sc., M.Sc.
Nixon-MacDonald, Jean, B.Sc., B.Ed., Cert. (Prof. A Teach.)
Porter, Sophia
Touet, Heather, B.Sc., BA (Hons.), MA
Wood, Janna, BED, (Prof. A Teach)
Zerr, Diane, BA, MLIS

Moose Jaw
Ally, Abdul, ITP, Post Grad. Edu. (Prof. A Teach.), B.Sc., M.Sc.
Bradford, David, Cert. (Business), Cert. (Accounting), Dip. (Accounting)
DeCorby, Kevin, Dip. (Ed. Adm.), B.Ed., BA
Kaethler, Simon, BA, B. Ed.
Lesperance, Alexa, Cert. (Bus.), Dip (Accounting), BBA H.R.M

Prince Albert
Abrey-Hare, Holly, B.Ed., (Prof A. Teach), BA
Anderson, Daren, AME, Dip. (Micro Electronics)
Keays, Jan, SE Cert., B.Ed.
Rivet, Holly, B.Ed., Cert. (Prof A. Teach), M.Ed.

Business Development

Saskatoon Campus
Ilko, Ihor, PhD

Literacy and Adult Education

Blacklock, Tony - Academic Chair

Saskatoon Campus
Jalbert, Claude, Cert (Prof. A Teach.), B.Ed., PGD – Program Head
Zdunich, Renaye, B.Ed., B. Sc. (Honors) – Program Head
Olson, Reagan, Cert. (Prof. A Teach.), B.Sc., B.Ed., M.Ed. – Program Head
Byblow, Hudson, Cert. (Prof. A Teach.), B.Comm., B.Ed.
Caplette, Shirley, Cert. (Prof. A Teach.), BA, B.Ed.
Devonshire, Todd, Cert. (Prof. A Teach.), B.Ed., B.Sc. (Kin)
Eddy, Wendy, Cert. (Prof. A Teach.), TESOL, B.Ed.
Fasthuber, Sherri, Cert. (Prof. A Teach.), B.Ed.
Haggart. G. Alan, Cert. (Prof. A Teach.), B.Sc., BA, B.Ed., M.Ed.
Haichert, Dana, Cert. (Prof. A Teach.), B.Ed.
Hershmiller, Jodi-Lyn, Cert. (Prof. A Teach.), B.Ed.
Martinez, Cruz, Cert. (Prof. A Teach.), Dip (Heavy Eq Op), BA, B.Ed.
May-Melin, Jeff (Prof. A Teach.), B.Ed., B. Sc.
McGough, Colleen, Cert. (Prof. A Teach.), B.Ed., M.Ed.
Sondershausen, Roy, Cert. (Prof. A Teach.), B.Sc., B.Ed., M.Ed.
Toye, Shawn, Cert. (Prof. A Teach.), BA, B.Ed.
Warnke, Brenda, BA, B.Ed.
Wiens-Peckham, Jeanette, Cert. (Prof. A Teach.), B.Ed., M.Ed.

Moose Jaw Campus
Siggelkow, Alissa, Cert. (Prof. A Teach), BA., B.Ed., M.Cert. – Program Head
Bzdel, Colleen B.Ed., M.Ed.
Dahl, Beverly, B.Ed.
Lyttle, Victoria, B.Ed., B.Sc.
McIntyre, Beverly, B.Ed., M.Ed.
Smith, Michele, Family Literacy Certificate, B.Ed.
Wildfong, Debra, B.Ed., M.Ed.

Regina Campus
Dean, Andrew, Cert. (Prof. A Teach), B.Ed., – Program Head
Moffatt, Tami, Cert. (Prof. A Teach.), B.Ed., M.Ed.- Program Head
Blanchard, Angela Kimberly, Cert. (Prof. A Teach), B. Ed
Gardiner, Susan, Cert. (Prof. A Teach), BA, B.Ed.
Germain Richards, Adrienne, Cert. (Prof. A Teach.), B.Ed.
Granger, Heather, Cert. (Prof. A Teach.), B.Ed.
Jakubowski, Keri Lynn, Cert. (Prof. A Teach), B.Ed., M.Ed.
Krahn, Mira, (Prof. A Teach.), B.Ed.
Langman, Amanda, Cert. (Prof. A Teach, B.Ed., B.Sc.,
Meghezi, Shelly, Dip (Hotel & Rest. Admin.), BA, Cert. (Prof. A Teach.), B.Ed.
Moffatt, Tami, Cert. (Prof. A Teach.), B.Ed., M.Ed.
Myrah, Virginia, Cert. (Cosm.)
Naqvi, Afroze, Cert. (Comp. Sc.), Cert. (Prof. A Teach.), B.Sc., BA, B.Ed.
Nie, Junshan, MA, M.Ed., PhD
Schenk, Andrea, BA
Stark, Gregory, Dip (Hotel & Rest. Admin.), Cert. (Prof. A Teach.), Dip. (Computer App. Specialist), B.Ed., M.Ed.
Sych, Dana M., B.Ed.

Prince Albert Campus
Beaulieu, Annette, CACE, Cert. (Prof. A Teach.), B.Ed.
Cappelletto, Norm, Cert. (Prof. A Teach.), B.Sc. (Adv), B.Ed.
Davis, Terri, Criminology (Dip), HR Asst (Cert), HR Generalist (Cert), Cert Coach Practitioner
Fitzsimmons, Shannon, Cert. (Prof. A. Teach.), B.Ed., M.Ed.
Fraser, Murray, Cert. (Prof. A Teach.), BA, B.Ed.
Gaudet, Meagan BSW
Harris, R. Craig, Cert. (Prof. A Teach.), B.Ed.
Jonasson, Andrea, Cert. (Prof. A Teach.), Cert. (AQ, CIS), PBD. (DET), B.Mus-Mus ED
Kilcup, Martha, Cert. (Prof. A. Teach.), BA, B.Ed., M.Ed.
Kuzak, Kim, Cert. (Prof. A. Teach), M.A., BA, B.Ed.
Ryan, Jennifer, Cert. (Prof. A Teach.), BA, B.Ed., – Program Head
Senterre, Danette, Cert. (Prof. A Teach.), B.Sc., B.Ed., M.Ed.
Thompson, Rebecca Cert. (Prof. A Teach). BA in French Teaching
Vandale, Dustan, Cert. (Prof. A Teach.), B.Ed.

LINC (Language Instruction for Newcomers to Canada)

Ellingsen Ailsby, Michele, M.Ed., CCC – Manager, Innovative Training Solutions

Saskatoon
Ortac, Emel, Cert. (CELTA), BA, M.Ed. (Educational Leadership) – Program Head
Beach, Sean, B.Ed.
Buddecke, Larry, Cert. (Prof. A Teach.), B.Ed.
Elliott, Bridget, BA, CERTESL
Handford, Elizabeth, Dip.Ed. (English and ESL; French), BA, M.Ed.
Jelisavac-Keindel, Sanja, Cert, (TESL), BA
Laverdiere, Rachel, Cert. (TESL), BA, B.Ed.
Mukura S. Zoe, BA
Muzika, Sonja, BA, B.Ed., MA
Nunez Palacios Alonso, Sara, Cert. (TESL), B.Ed.
Prodahl, Jessica, Cert. (TESL), BA
Reese, Greg. Cert. (TESL), BA, M.Ed. (Add in)

Saskatchewan Polytechnic Governance Administration and Faculty

Tews, Anita, BA (TESOL)
Torres, Eduardo, Cert. (ELT), Dip. (Eng. Lang.), BA, MA
Zaleschuk, Donna, Cert. (TESL), CACE, CAPM, BA

Regina Campus
Morehouse, Cyndee, B.Th., AA (TESOL), MA, TESL Canada Professional Certificate: Standard 2 (Permanent), TESL Sask Standard 2-Senior – Program Head
Bian, Fang, Cert. (CELTA), B.Sc.., M.Ed.
Elliott, Angelique, Cert. (TESL), BA, TESL Sask Standard 2-Senior
Elliott, Jennie, Cert. (TESL), BA
Fineberg, Amy, Cert. (TESOL), BA, TESL Sask Standard 2
Giakoumakis NOW Du Toit, Konstantina, Cert. (TESL) Cert. Prof. A Teach., BA, B.Ed., MA, M.Ed.
Khurshid, Tayyaba, Cert (TESL), M.A, M.Ed.
Mallick, Chayan, Cert. (TESL, CELTA), MA Applied Linguistics
McInnis, Chris, Cert. (TESL), B.Ed., BA, TESL Canada Standard 1 (Permanent)
Mustafa, Thamer, Cert. (CELTA), BA, MA TESOL, TESL Canada Professional Certificate: Standard 3
Panthier-Seaman, Zinna, Cert. (TESL), BA
Powell Mendenhall, Marie, Cert. (TESL), BFA, BAJC, MA, MFA, TESL Canada Professional Certificate: Standard 2 (Permanent), TESL Sask Standard 2-Senior
Quinney, Kelly, Cert. (TESL), Cert. (Prof. A Teach.), B.Ed. TESL Canada Professional Certificate: Standard 2 (On leave)
Shen, Bingsu, Cert. (TESL), BA, MA, TESL Canada Professional Certificate: Standard 2
Stochmal, Mary, Cert. (TESL), B.Ed., TESL Canada Professional Certificate: Standard 1
Yang, Yan, MA Applied Linguistics
Yu, Qiuju, Cert. (TESL), BA, MA

SASKATCHEWAN POLYTECHNIC SCHOOLS

School of Continuing Education

Saskatoon Campus
Blake, Winston, BA, MA, C.Med – Academic Chair Training Solutions
Dugan, Ashley, Cert. (Office Ed.), B.Ed. – Continuing Education Consultant
Engel, Kaitlyn, B.Comm. - Marketing – Continuing Education Consultant
Finney, Maggie, B. Ed., MAED Curriculum & Instructional Design – Continuing Education Consultant
Kitsch, Rhonda, BA (Political Science), Cert. (Medical Radiation Technology), Cert. (Health Care Administration) - Continuing Education Consultant
LaCroix, Lance, Cert. (Adult Ed.), BAdv., MBA – Continuing Education Consultant
Mangampo, Rain, CTDP – Continuing Education Consultant
Mervold, Dalton, M.Ed., MDE, AGDDE (Technology), RSE – Program Head Innovation and Leadership
Mulhall, Stephanie, B.Ed., M.Ed. – Manger, Flexible Learning
Nakrayko, Tess, Dip. (Marketing) – Continuing Education Consultant
Reinhart, Ann, B.Sc., P.Eng, PMP – Interim Senior Project Manager, Continuing Education Consultant
Stalwick, Roger, Dip. Hotel and Restaurant Mgt., B.Ed. – Continuing Education Consultant

Regina Campus
Brockman, Annette B.Ed., M.Ed., FCP, Prosci Certified – Program Head
Ellingsen Ailsby, Michele, M.Ed., CCC – Manager, Innovative Training Solutions
Esguerra, Arnold, NP, BScN, MN, ATL (Adv. Cert.) – Continuing Education Consultant
Hall, Lori, B.Comm. – Program Head & Continuing Education Consultant
Lanoie, Michelle, B.Sc., IRM Dipl, GIS Cert. – Continuing Education Consultant
Patrick, Kevin, B.S.A., P.Ag, – Program Head & Continuing Education Consultant
Roberts, Kate, Dip. (ECE), B.Ed. – Continuing Education Consultant
Virina, Jun, B.Sc. CE, LEED GA – Project Manager

Prince Albert Campus
Bergen, Johanna, Office Admin Cert, Educational Asst Cert, Optical Sciences – Eyeglass Cert – Continuing Education Consultant
Grimsdale, Brittany, RSE – Continuing Education Consultant

School of Health Sciences

Mental Health and Addictions Counselling
McGurk, Matt ACP, MA, CHE – Academic Chair

Prince Albert Campus
Friesen, Joy, Dip. (Chem. Dep.), BA, CCACn – Program Head
Lambiris, Richelle, Dip. (Chem. Dep), BA, CCAC
McLachlan, Scott, BHSc., MACP, CCC, CCAC
Nataraj, Anni, BA, AC Dip.
Seidlikoski, Noelle, Dip. (AC), BA Psych
Epp, Marisa, Dip. (Chem Dep), BA
Wilkie, Kristin, Dip. (Chem Dep), BSW, RSW
Seebach, Sarah, Dip. (AC), BSW, RSW
Huber, Jillian, BSW, RSW
Serzisko, Andre, MA (Counselling Psychology), RCC (Registered Clinical Counsellor)

Dental Assisting
Woynarski, Sharman, MAEd, BDSc., RDH, RDA – Academic Chair

Regina Campus
Anderson Doll, Deidra, RDH, RDA, FCP, BHS, MAECE – Interim Program Head
Lefebvre, Dean, MAEd., B.Sc., RDH, CAET – Program Head
Bailey, Debbie, RDA
Bouw, Kendra, RDA
Downing, Christine, RDA, RDH
Hawkes, Kristin, RDA, B.Sc., B.Ed.
Indzeoski, Danielle, RDA
Jahnke, Caterina, RDA
Kelln, Shannon, RDA
Lynnes, Stacey, BA, RDA
Manole, Veronica Dipl Nursing, BA, BSW
McKay Ganshorn, Robin, Cert. (Bus.), RDA, FCP, BBA, MAED
Reinhart, Christin RDA
Scarfe, Brenda, MHRD, DMD
Sigmeth, Katey, RDA
Stevenson, Shannon, Cert (Adult Ed.), RDA
Topliss, Dana, Cert. (Adult Ed.), RDA

Saskatchewan Polytechnic Governance Administration and Faculty

Walters, Amanda, RDA, ATL, BHS
Wright, Catherine, RDA, RDH, FCP, B.Ed.

Dental Hygiene
Woynarski, Sharman, MAEd, BDSc, RDH, RDA – Academic Chair

Regina Campus
Lefebvre, Dean, MAEd., B.Sc., RDH, CAET **–** Program Head
Anderson Doll, Deidra, RDH, RDA, FCP, BHS, MAECE – Interim Program Head
Burns, Jennifer, RDH, Dip. Honours (Dental Hygiene)
Buzash, Irene, B.(V/T.Ed.), RDH
Fellner, Janine Cert. (DA), RDH, BBA
Johnson, Lynn, Dip. (DT), B.Ed., RDH,
Laidlaw, Cheryl RDA RDH
Manole, Veronica Dipl Nursing, BA, BSW
McKay Ganshorn, Robin, Cert. (Bus.), RDA, FCP, BBA, MAED
Ross, Roxanne, BA., RDH
Scarfe, Brenda, MHRD, DMD
Springinatic, Tanya, RDH, BHS
Steinley, Marisa, Cert (DA), RDH

Health Information Management
Stefaniuk, Natasha, BHRLR (Hons), Dip. (ACCT) – Academic Chair

Regina Campus
Fournier, Tara, CHIM, CAET, CHRD, FCP, Dip. (HIS), BAET – Program Head
Ostapovich, Sherry, CHIM, Dip. (HRT)
Retanal, Franchezka, CHIM, BHs
Sadowski, Ida, CHIM, Cert. (HRT), FCP, Dip. (HIS)
Waldner, Maria, CHIM, Dip. (HRA)

Medical Diagnostics (Combined Laboratory & X-Ray Technology, Cytotechnology, Medical Laboratory Assistant, Medical Laboratory Technology, Medical Radiologic Technology, Phlebotomy)
Martens, Lawrence, MLT, B.Sc., M.Sc., MHA, CHE – Academic Chair

Saskatoon Campus
Mauza, Robyn, MLT (Cyto.), CT (ASCP), B.Sc. – Program Head, Medical Laboratory Assistant, Phlebotomy
Thompson, Jodi, CAET, CHRD, MLT, BAET – Program Head, Medical Laboratory Technology
Friesen, Rebecca, RTR (CTIC) – Program Head Combined Laboratory & X-Ray Technology, Medical Radiologic Technology
Lindberg, Kelly, RTR, RTMR, BA – Curriculum Coordinator
Berndt, Tera, CAET, RTR
Carani, Loredana, CAET, MLT, B.Sc.
Clark, Kerry, RTR
Conquergood, Kennedy, RTR
Corriveau, Nicole, MLT
Doell, Crystal, MLT
Epp, Carol, MLT
Fisher, Pamela, CAET, RTR
Fraser, Diane, RTR
Gregory Kendra, CLXT, MLT
Gudmundson, Eileen, MLT
Hagel Grummett, Kaylyn, RTR, CTIC
Hanson, Gayle, CAET, MLT
Hassett, Kendel, MLT
Hemsley, Veronica, CLXT, RTR
Hitchings, Katie, MLT
Hnidy, Melanie, MLT
Hupaelo, Tara, CAET, CLXT, MLT
Jennett, Steven, RTR
Kappel, Linda, CAET, MLT Lab Clinical Coordinator
Kee, Chantelle, MLT, B.Ed.
Kilgour, Jessica, MLT
Kubik, Tamara, CAET, RTR, B.Sc. (Hons.)
Kutsak, Amanda, RTR
McClement, Melissa, MLT, BMLS
McFie, Linda, RTR
McKnight, Orlanda, MLT
Merson-Davies, Candace, N Dip (Rad: Diagnostics) MRT
Misskey, Shauna, MLT
Mutch, Susan, RTR
Oliynyk, Dan, RTR Imaging Clinical Coordinator
Pelletier, Luke RTR
Qian, Shifeng, M.Sc., MLT
Ruskin, Rob, MLT, MM.Sc..
Salter, Nicola, CAET, MLT (Cyto.), CT (ASCP), B.Sc., CMIAC
Schapansky, Charlene, CAET, MLT
Short, Christine, CLXT, RTR, RTMR, B.Sc.
Sielski, Madison, MLT
Sies, Bettina, RTR, CTIC
Strozen, Rachael, MLT, B.Sc.
Van Eyck, Jessica, BA, MLT
Verbeke, Pat, BA (Adv), MLT
Walbaum, Kendra, MLA, MRT
Wesdyk, Elsie, MLT
Wisner, Owen, RTR, RTMR, B.Sc.
Zetariuk, Kerrie, CLXT, RTR, B.Sc.
Zoerb, Rachelle, MLT

Paramedic Programs
McGurk, Matt ACP, MA, CHE – Academic Chair

Saskatoon Campus
Rousson, Trent, ACP – Program Head
Brecht, Derek, ACP
Fenner, Robert, ACP
Johnston, Kim, ACP
LeBlanc, Mathieu, ACP
Link, Amanda, ACP
Moss, Joanne, ACP, CP
Muench, Megan, ACP
Rempel, Jason, CCP
Riou, Kali, ACP (maternity leave)
Schindler, Ian, ACP
Smith, Rick, ICP
Van Stone, Mike, ACP

Regina Campus
Munn, Christopher, ACP. CAE – Program Head
Erickson, Sarah, ACP
Ferch, Jennifer, ACP
Fisher, Bill, ACP
Hazzard, Brandy, ACP, BHSc, B.Ed.
Hengstler, Mike, ACP,
Hodgins, Jeremy, ACP

Saskatchewan Polytechnic Governance Administration and Faculty

Karapita, Jolene, ACP, CCP
Lund, Sheldon, ACP
Moore, Robert, ACP,
Robertson, Macee, ACP, CP
Schmidt, Amy, ACP,
Speers, Tricia, ACP

Pharmacy Technician
McGurk, Matt ACP, MA, CHE – Academic Chair

Saskatoon Campus
Mack-Klinger, Sue, B.Sc., BSP, RPh – Program Head
Bailey, Richelle, Cert. (Pharm Tech), PhT
Brenner, Janice, ATL, BSP, M.Sc., RPh
Chan, Alfred, B.Sc., BSP, RPh
Farzan, Bahar, PhT, B.Sc. (Nutr
Hoda, Janet, B.Sc., BSP, RPh
Leach, Jolene, BSP, M.Ed., RPh
Lewis, Corri, BSP, RPh
Prado, Margarett Luisa, PhT
Roming, Cally, Cert. (Pharm Tech), PhT
Walker, Cheryl, BSP, RPh

Therapeutic Recreation
Martens, Lawrence, MLT, B.Sc., M.Sc., MHA, CHE – Academic Chair

Saskatoon Campus
Martin, Linda, Dip. (Rec. Tech.), B.R.S. – Program Head
Robins, Anne, Cert. (Indigenous Sport & Rec), Cert. (KSR Mgt), BPAS, MA-KSR, CTRS
Karla Nogue, Dip. (Rec and Leisure), Dip (TR), BRLS, CTRS
Roxanne Lowe, Dip. (TR), B.TR, CTRS

Veterinary Technology
McGurk, Matt ACP, MA, CHE – Academic Chair

Saskatoon Campus
Carter, Crystal, Dip. (Vet Tech), B.Sc.., RVT
Mund, Suzanne, DVM, M.Sc., DACVS-LA – Program Head
Olver, Cairo, B.Sc, DVM,
Palko, Heather, Dip. (AHT), RVT
Ruf, Bernice, Dip. (AHT), RVT
Sabin, Natasha, BAg., DVM
Steele, Chantel, Dip. (Vet Tech), RVT
Turner, Amanda, Dip. (AHT), B.Sc., DVM
Uchacz, Tina, B.Sc., M.Sc.

School of Human Services and Community Safety

Saskatoon Campus
Fleury, Terrance – Program Head
Ford, Darren

Justice Studies/Correctional Studies
Blacklock, Tony, BGS – Academic Chair

Prince Albert Campus
Fleury, Terrance – Program Head
Hemsworth, Angus
Krawec, Kevin, B.Ed., BA
McLeod, Keith
Zimmer, Sue

Court Services Administrator
Blacklock, Tony, BGS – Academic Chair

Regina Campus
Krawec, Kevin - B.Ed., BA – Program Head
Joseph, Shama, BSW

Disability Support Worker and Youth Care Worker
Polley, Suong, RN, BScN – Interim Academic Chair

Saskatoon Campus
Allenspach, Alfred, MA BPA, MAIS
Deneiko, Catherine - BA, BSW, MSW – Interim Program Head
Dollansky, Shauna, B.Ed.
Philipchuk, Marilyn, B.Ed., PGD, M.Ed.
Robert, Charlene, Dip (YCW), BSW

Regina Campus
Denise Swallow, BA, BSW, RSW
Brianna Taylor, MSW GCert (CSWP) RSW.

Early Childhood Education
Polley, Suong, RN, BScN – Interim Academic Chair

Regina Campus
Austman, Ashley B.Ed. – Program Head
Brace, Doreen, Cert.Sp.Ed., B.Ed.
Fiissel, Jada, B.Ed., TESL Dip
Molnar, Kay, B.Ed.
Boudreau, Shelley, Cert. (TESL), B.Sc., B.Ed., BA

Saskatoon Campus
Danino, Janis, B.Ed. – Program Head
O'Leary, Lori, Dip. (ECE), BCYC, M.Ed.
Barker, Nikki, ECE Level 3, B. ECCE
Craig, Deidre, BCYC, CCLS
Danyluk, Leah, BA, M.A
Ferguson-Marshall, Nicole, B.Ed., M.Ed.
Gervais, Robyn, Dip. (ECE), BA
Loran, Dawn, B.Ed., M.Ed.

Prince Albert Campus
Davies, Jennifer, B.Ed. – Program Head
Lanoie, Annette – B.Ed.
Zwosdesky, Margaret, Dip. (ECE), BA

Educational Assistant
Polley, Suong, RN, BScN – Interim Academic Chair

Saskatoon Campus
Limon, Katrina, BA, M.Ed. – Program Head
Phippard, Alison, B.Ed.
Rani, Kiran, Dip. (ECE), B.Sc., B.Ed.

Saskatchewan Polytechnic Governance Administration and Faculty

Esthetician, Hairstylist & Nail Technician
Polley, Suong, RN, BScN – Interim Academic Chair

Prince Albert Campus
Benson, Louise, Cert. (BAdmin), Dip (CS)(Hons), Inter-Prov., Blue Seal Certified Jny (Hairstylist) – Program Head
Labrosse, Amber, Jny (Hairstylist)
Spriggs, Aimee – Dip. (BAdmin), Jny. (Hairstylist, Esthetician), Jny. (Nail Tech.)

Funeral Services
Polley, Suong, RN, BScN – Interim Academic Chair

Moose Jaw Campus
Danino, Janis, B.Ed. – Program Head

Occupational Health and Safety
Blacklock, Tony, BGS – Academic Chair

Saskatoon Campus
Horbach, Nolan, Cert. (OH&S), CRSP, MA – Program Head, Acting Academic Chair, Community Safety
Ashby, Jeff, Cert, (OH&S), CRSP
McVicar, Lois, App. Cert. (OH&S)
Hancock, John, Cert. (OH&S), B.Sc., B.Ed., MBA

School of Nursing

Bachelor of Psychiatric Nursing (Degree Completion Programs)
Barbour, Kristin, RN, BScN, MN – Interim Academic Chair

Regina Campus
Diduck, Darusia (Dru), RN, BScN, MA, BA
Hoffart, Caroline RPN, B.Ed., MHRD – Program Head
Howell, Susan, RN, BScN, M.A.Ed.
Kawula, Karyn, RPN, BSN, MN
Killoran, Jamie, RPN, BA, M.Ed.
Louiseize, Jamie, RPN, BSN, MHS
Thomson, Jill, RPN, RN, BScN, M.A.Ed.
Zaba, Eileen, RPN, BSPN, MN

Collaborative Nurse Practitioner Program
Dupuis, Jeniffer, RN, BScN, MN – Academic Chair

Regina Campus
Metheral, Laura, NP, BSN, MN.ANP – Program Head
Giebel, Shelley, NP, BScN, MN.ANP
Poulin, Dr. Ivy, NP, MScN (APN), DNP, CDE
Verville, Dr. Francoise, NP, MN AGD: ANP, DNP
Cote, Amanada NP, BScN, MN

Continuing Care Assistant
Barbour, Kristin, RN, BScN, MN – Interim Academic Chair

Saskatoon Campus
Thomson, Jill, RPN, RN, BScN, M.A.Ed. – Interim Program Head
Poole, Gwyn, RN, BSN
Schinmann, Heather, OHN RN, BScN, OHN
White, Sarah, RN, BScN
Mengering, Sherry RN, BScN, BScPT, M.Sc.
Epp, Andrea, RN, BScN
Ginther, Debra RN, BScN, MBA
Kolback, Noreen, RN, BScN

Regina Campus
Thomson, Jill, RPN, RN, BScN, M.A.Ed. – Interim Program Head
Mayer, Paula, RN, BN
Quine, Tamara, RPN (on leave)
Adeleye, Kikelomo RN, BSN
Knox, Jeanette RN

Critical Care Nursing
Gretchen, Monica, RN BScN, MAdmin Leadership – Academic Chair
Morales, Don, RN, BScN, MN – Program Head

Regina Campus
Thiessen, Natalie, RN, BScN, MN
Thomson, Meghan, RN, BScN

Saskatoon Campus
Cory, Rian, RN, BScN, B. Eng.

Medical Device Reprocessing Technician
Barbour, Kristin, RN, BScN, MN – Interim Academic Chair
Lowe, Leah, RN, BN, MN, CPN(C) – Program Head

Regina Campus
Harrison, Heather, RN, BScN
Duchscher, Chelsea, RN, BSN
Van Nus, Matthew, RN, BSN
Wendel, Tenneille, RN, BScN

Saskatoon Campus
Ries, Lauren, RN, BScN, HB.Sc.
Wong, Maggy, RN, BAAN, MSN

Occupational Health Nursing
Barbour, Kristin, RN, BScN, MN – Interim Academic Chair
Lowe, Leah, RN, BN, MN, CPN(C) – Program Head

Registered Nursing Bridging Program for Internationally Educated Nurses (RNBP-IEN) and RNBP-Re-Entry to Practice (RNBP-RTP)
Gretchen, Monica, RN BScN, MAdmin Leadership – Academic Chair
Morales, Don, RN, BScN, MN – Program Head

Regina Campus
Antiola, Michael, RN, BScN, MN
Fraser, Nicole, RN, BScN, MN
Lazo, Arlene, RN, BScN
Moore, Kara, RN, BScN, MN
Nganzo, Mariam, RN, BS, BScN, MN
Rozental, Irena, RN, BScN
Urban, Ann-Marie, RN, PhD

Perioperative Nursing – LPN & RN
Barbour, Kristin, RN, BScN, MN – Interim Academic Chair
Lowe, Leah, RN, BN, MN, CPN(C) – Program Head

Saskatchewan Polytechnic Governance Administration and Faculty

Regina Campus
Harrison, Heather, RN, BScN
Omoth, Barbara, RN
Van Nus, Matthew, RN, BSN
Duchscher, Chelsea RN, BSN (on leave)
Wendel, Tenneille, RN, BScN

Saskatoon Campus
Ries, Lauren, RN, BScN, HB.Sc.
Steele, Dolcie, RN, BScN, BA
Wallace, Sheriane, RN, BN
Wong, Maggy, RN, BAAN, MSN

Practical Nursing

Gretchen, Monica RN, BScN, MAdmin (Leadership) – Academic Chair

Saskatoon Main Campus
Anderson, Aileen BScN, CCCI, CCNE, CCSNE, RN
Anweiler, Nancy, RN, BScN
Breker, Michelle, RN, BScN
Brown, Kimberly, RN, BScN, B.Sc. (Kin)
Chevli, Alison, RN, BScN
Creo, Eric, RN NP, BScN, MN - (on leave)
Entz, Fred RN, MN, CHE, CON(C)
Fischer, Elma, RN, BScN
Grise, Elya, RN, BSN, B.Sc.
Klitch, Kira, RN, BN
Kolback, Noreen, RN, BScN – (on leave)
Stewart, Janelle, RN BSN, B.Sc.
Venn, Lisa, RN, BScN – Program Head
Ziefflie, Roxanne MN, BSN, RN

Regina Campus
White, Twana, RN, BN, MAEd – Program Head
Biasotto, Daria, RN, BScN
Bleich, Lori, RN, BScN, MAECE
Crocker, Tracy, RN, BScN
Curtis-Curle, Candace, RN, BScN
Fraser, Marla, RN, BSN, MA
Gold, Heather, RN, BScN, M.A.Ed.
Hodel, Jaycie, RN, BScN
Lang, Stephanie, RN BScN
Mallard, Lorelei, RN BScN
Mann, Mary Ellen, RN, BScN
Santo, Matt, RN, BSN
Spooner, Crystal, RN, MBA
Stelwagen, Devon, RN, BScN
Unique, Rhonda, RN, BScN, MScN/ED

Prince Albert Campus
Venn, Lisa, RN, BScN – Program Head
Baldrey, Jena, RN, BSN
Fox, Michelle, RN, BScN
Green, Mindy, BScN
Guard, Jenelle, RN, BScN
Kotyk, Jolene, RN, BSN
Reed, Noreen – RN, BScN, MN
Wiens, Kat, RN, BSN

Psychiatric Nursing (Advanced) Diploma Program

Barbour, Kristin, RN, BScN, MN – Interim Academic Chair

Regina Campus
Burchill, Kathryn, RPN, B.Sc. (Kin)
Hodson, Dellina, RPN(Adv), BHS
Howell, Susan, RN, BScN, M.A.Ed.
Lee, Daniel, RPN, BA (Hons.)
McCrae, Derek, Dip. (BIS), RPN, BPN
Treble, Wendy, RPN, BAET
Olson, Kayla, RPN, BPN

Moose Jaw Campus
Lamothe, Courtney RN, BScN

North Battleford (located in North West College)
Killoran, Jamie RPN, BA, M.Ed.

Prince Albert Campus
Felix, Tara, RN, BSN
Kawula, Karyn, RPN, BSN, MN
Louiseize, Jamie, RPN, BScN BSN, M. HS

Saskatoon Campus
Thakurdeen, Meena, RN, BScN
Willick, Kimberly, RPN, BA
Zaba, Eileen, RPN, BSPN, MN

Swift Current
Diduck, Darusia (Dru), RN, BScN, BA, MA

Yorton Campus
Bajus, Stephanie RPN, BScPN, MPN

Saskatchewan Collaborative Bachelor of Science in Nursing

Saskatoon Campus
Dupuis, Jeniffer RN, BScN, MN – Academic Chair, Saskatoon Campus

Betker, Amanda, RN, BSN, MN (on leave)
Bouskill, Dana, RN, BScN, MN – Program Head
Brodie, Shane, RN, BA, MSN
Bryden, Taylor, RN, BScN, MN
Buchanan, Kayla, RN, BSN, MN
Disiewich, Kathy, RN, BSN, MSN/ED
Dykhuizen, Melissa, RN, BSN, MN
Eagle, Tarah, RN, BScN, MScN
Farthing, Pamela, RN, BA, M.Sc., PhD, Research Chair
Fenske, Patricia (Patty), RN, BScN, MN
Glass, Michelle RN, BScN
Gregory, Alicia RN, BScN, MN
Gronvold, Darren, RN, BSN, MN
Hall, Pamela, RN, BScN, MN
Hanson, Dustin RN, BScN
Hooyenga, Sarah, RN, BScN, MN
Hunter, Molly, RN, MScN
Iverson, Shannon, RN, BScN, MN
Jeffrey, Sandie RN, BScN
Jones, Lynsey RN, BScN, MN

Saskatchewan Polytechnic Governance Administration and Faculty

Karalash, Stacey, RN, MN
Kihn, Kim, RN, BSN, MN
Knihnitski, Crystal, RN, BSN
Kreuger-Jones, Judy, RN, BSN, MN
Larson, Jennifer, RN, BScN
Luhning, Shelly, RN, BScN, MN, ENC (c)
McCrystal, Sheri, RN, BSN, M.Ed.
McDonald, Meghan, RN, MN
Morgan, Sybil, RN, BScN, MN
Nalwooga, Nahia RN, BScN, MN
Orr, Karrie, RPN, BA, MC, CCC
Oscvirk-Weber, Cybelle, RPN, RN, BN, MN
Pavloff, Michelle, RN, BScN, MN, PhD, Research Chair
Pongracz, Beverly, RN, BSN, MN
Pope, Tyler RN, BScN
Scott Barss, Karen, RPN, B.H.Sc., MA
Sherban, Cindy, RPN, RN, BScN, M.A.Ed.
Solar, Jessica, RN, BScN, MN
Sorba, Currie RN, BScN, MN
Tancrede, Lionel, RN, BScN, MN
Tchorzewski, Sindee, RN, BSN, MN
Thiessen, Kim, RN, BScN, MN
Thoreson, Kim, RN, BScN, MN
Tooke, Natasha, RN BSN, MN
Waters, Stacey, RN, BScN, MN
White, Sue-Ellen, RN, BScN, MN
Winterhalt, Dawn, RN, BScN, GNC(C), MS, CCNE
Wood, Ingrid, RN, M.Sc.(A) (on leave)

Regina Campus

Harris, Kandis, RN, BScN, MN – Academic Chair, Regina Campus
Abu Anza, Laurene, RN, BN, MHS
Abudu, Eunice, RN, BScN MAECE
Ahlquist, Angela, RN, BScN, MA
Allen, Carrie, RN, BSN, MN
Bachelu, Brett RN, BScN
Blair, Brenda RN, BScN
Boychuk, Chris, RN, BScN
Burrell, Terri, RN, BScN, MSN
Chalupiak, Carmen RN, BScN
Dickson, Chioma RN, BScN
Downton, Michelle, RN, BScN, LLM, CNeoN(C)™
Duchcherer, Crystal, RN, BScN, MN (on leave)
Faucher Sinclair, Lyanne RN, MN, FCP, CPN(C)
Ferozedin, Liz RN, BScN
Flaman, Sharon, RN, BN, MAEd. (on leave)
Fleming, Gina, RN, BN, MN
Found, Jodi, RN, BSN, MN (on leave)
Fox-Smith, Sarah, RN, BScN, MN, CPHON
Froh, Thomas RN, BScN
George, Alexa RN, BScN
Gorman, Danielle RN M.Sc.
Graessli Wise, Dea, RN, BSN, MEAE, CIC
Grand, Stephanie, RN, BScN MAEd
Haas, Amanda, RN, BN, MN – Program Head
Haas, Erin, RN, BScN, MA
Hall, Allison, RN, BScN, MN
Harrison, Kim, RPN, RN, BA, BSN, M.Ed.
Holden, Amy, RN, BScN, MAEd
Hunt, Stacy, RN, MSN
Hunter, Kim, RN, BN, MA-IS – Program Head
Jamison, Ashley RN, BScN, MAEd
Kiryk, Sheila RN, BScN, MN
Klassen, Joleen RN, MN
Klym, Megan RN, BScN
Kostiuk, Sarah, RN, BScN, MN, EdD, Research Chair (on leave)
Kozak, Charlene, RN, MSN
Kozusko, Jarrett, RN, BScN, MHA
Kreklewich, Carly RN, BScN
LaPlante, Tricia, RN, BScN
Lee, Candyce RN, BScN
Levesque, Marcia RN, BScN
Maas, Jillian RN, BScN
Manson, Patti, RN, BSN, M.Sc.A, CMSN (C)
Manson-Brick, Nori, RN, BScN, MN
McIlmoyl, Matt, RN, BScN, MAEd
McInnis, Kayla RN, BScN
McKinley, Lynde, RN, BScN, MN
McWhirter, Samantha RN, BScN
Moyer, Katarzyna (Kat), RN, BSN, MSN
Naylen Horbach, Jayne, RN, BScN, MHS
Needer, Andrea, RN, BScN, MAEd.
Neilson, Kelsie, RN, BScN, BCCN, MAEd
Nordby Schaan, Andrea, RN, BScN
Offiah, Anna-Marie, RN, BScN, MN
Oswal, Jyoti RN, MN, BScN
Palandri, Loreli, RN, BScN, MSN (on leave)
Paraiso, Julia RN, BScN
Patrick, Jan, RN, BScN, MACP
Perkin, Amanda, RN, BScN, MN
Poole, Sarah, RN, ScN, MScN
Reimche, Ruthanne, RN, MN, CCN(C)
Renauld, Lacy RN, BScN
Richaud, Allison, BScN, MHRD
Roxas, Karl RN, BScN
Schooley, Laurie, RN, BScN
Sebastian, Liza, RN, BScN, MN (on leave)
Spencer, Erin, BA, B.Sc., BSN, CCRN
Turley, Kara, RN, BScN, MN, M.Sc.
Wagner, Lorraine, RN, BScN, MAEd
Walker, Sara RN, BScN
Weisbrod, Lorna, RN, BScN, MA-IS
Whyte, Pam RN, BScN
Wiebe, Mackenzie, BN, BScN, BBA, MN

Internationally Educated Nurses (IEN) Assessment Centre

Gretchen, Monica RN, BScN, MAdmin (Leadership) – Academic Chair
Morales, Don, RN, BScN, MN – Program Head

Regina Campus

Sparling, Leslie, RN, MN

School of Business

McMahon, Erin, FCP, BA (CIP) – Academic Chair
Gibson, Merle, Cert. (Prof. A Teach.), B.Ed., B.Sc. – Academic Chair

Saskatchewan Polytechnic Governance Administration and Faculty

Moose Jaw Campus

Business Diploma Year 1, Business Human Resources Diploma and Certificate, Business Marketing Diploma

Stirton, Holly, B.Comm,– Program Head
Lanoie, Brie, BBA – Program Coordinator
Bamgboye, Oyebisi, B.SC., MBA
Bery, Ameen, BArts (Insurance), MBM
Czarnecki, Wes, BAdmin.
Flavel, Paul, B. Admin, CPMM
Forer, Morai, Dip (OA), B.Ed. (Bus), M.Ed.
Fritzke, Amber, B. Comm., FCP
Hatley, Ashley, B. Comm.
Hudson, Hugh, B. Comm
Patterson, Megan, B. Comm, MBA
Payant, Genelle, B. Admin, CPHR
Saleem, Tariq, MBA
Stuermer, Gail, BAdmin., CPA, CMA
Verhelst, Twyla, B.Comm., FCP

Business Insurance Diploma, Business Financial Services Diploma, Financial Services Post-Graduate, Project Management Post-Graduate

Blommesteyn, John, FCIP, BA **–** Program Head
Allen, Glen, B.Comm., MBA, CBI
Chow, Marla, B.Comm.
Folk, Gerald, BA, MBA (Executive Leadership, International Distinction), Pro. Dir., CAPM, PMI, LBBP
Moulding, Marcus, B.Comm.
Irshad, Ahsan BBA, MBA, PMP, PGD
Khan, Muhammad, B. Eng, MS, MBA, C.Eng.
Khurana, Hitesh, B. Eng., MBA, MHA, PMP, Prosci
Kountouris, Philip
Moser, Shelby, Dip. (Financial Services), CSC
Moulding, Megan, Dip. (Bus Ins; Htl and Rstrnt Mgmnt), CIP
Rehman, Suleman, PMP, B.Comm., MBA.
Siebert, Kevin, B.Ed., MBA, PMP, CPHR Candidate

Business Management Post-Graduate, Entrepreneurship Post-Graduate, Supply Chain Management Post-Graduate

Cooper, Nigel, BAA (Hospitality and Tourism Mgmt), M.Sc. (HR Dev), FAAPM, AAPM – Program Head
Patel, Vishesh, B.Comm., MBA – Program Coordinator
Afolayan, Ademola, B.Sc., M.Sc., FHEA., PGCR., CMILT., PhD.
Aikman, Stacey, Dip. (Bus HR), BA, CPHR
Banini, Joseph
Hassainar, Nizam, BBA, MBA (Finance, Marketing)
Sherief, Mohamed
Siebert, Kevin, B.Ed., MBA, PMP, CPHR Candidate
Tondevold, Austin, MBA
Uzzell, Tom, BA Hon.

Business Sports Management Diploma, Leadership Coaching Development Certificate

Kirzinger, Stephen, BBA, MHK, C.Mgr **–** Program Head
Frank, Jadon, CBS, B.Kin., MBA
Jones, Chelsea, B.Kin., MS
Meshke, Cassidy**,** Cert. (Admin), BA, MA-IS
Smith, Michael

Business Diploma Year 2 (Accountancy), Accountancy Post-Graduate, Business Municipal Administration Diploma, Business Management Diploma

Fox, Jana, Dip. (Acct.), CIA, CPA, CMA – Program Head
Adedeji, Michael, CPA, CGA, FCCA, B.Sc.
Beaubien, Mike, Dip. (Admin.), B. Admin
Bhat, Venkatesh, BBA, CPA, CGA
Bodnarchuk, Adrienne, BAccS, MS, CPA, CGA
Burton, Greg, CPA, CGA, CMA (IMA), CFE, CIA, CRMA
Dunlop, Mitch, BBA, CPA, CGA
Moulding, Nicholas, B.Comm
Reid, Devon, BAA, MBA
Rowson, Grant, CPA, CGA, CITP, CISA, CRISC, CDPSE, PMP
Stykel, Lynda, CPA, CMA
Wilson, Jordan, BCom, CFA, CPA, CA, CFP

Prince Albert Campus

Business Management Post-Graduate

Grovestine, Crystal Cert. (Office Admin.), B.Ed., CACE, M.Ed. – Program Head
Ericson-Lemaigre, Wendy MBA, Certified Mediator
Galbraith, Nicole
Glew, Josh, B.Comm. Marketing, MBA
Jassar, Parvinder, Cert (Prof. A Teach.), B.Ed., B.Sc., M.Sc. (Maths)
Atiqur Rahman, Cert. (IFC, Intl. Bus.); BBA (Mgmt.); MBA (Mgmt, Bus. Admin.); PhD
Tkachuk, Cheryl, Dip. (Fin Mgt.), CPA, CMA

Business Diploma Year 1, Business Management Diploma

Pettem, Shannon CPHR, CTDP – Program Head
Bomphray, Erin B.Ed., M.Ed.
Chow, Po Kin, BA (Hons), M.Sc., DBA
Harris, Crystal, B Comm, CPA, CGA
Kiunga, Joseph, Dip. (Rec. Tourism Mgmt), B.Ed., MBA, CPAK, Notary Public
Richards, Bryan B. Comm (SPAD), Q. Med
Tomassini, Velvet, C.S.C, FF1, FF2, ESAT, B.BAHon

Office Administration

Pettem, Shannon CPHR, CTDP – Program Head
Amonson, Bev, Cert. (Business, Business Computer, CACE, Clerk Typist, MOS)
Letendre, Angie, B.Ed., M.Ed.
Petruk, Bev

Saskatchewan Polytechnic Governance Administration and Faculty

Regina Campus

Bachelor of Applied Management and Business Management Post-Graduate

Shannon Kotylak, Dip. (RTBN), BA, MCert, MAdmin, CMP® – Program Head
Gujjar, Manjula, BA, MBA, PhD, AIA
Rafael Hespanhol, PMP, B.Sc., M.Sc.
Kozachuk, Allan, BAdmin, MA
Spelliscy, Rob, CPA

Office Administration, Career Essentials (Applied Certificate)

Chun, Joleen, Cert. (Bus.) BA, M.A.Ed. – Program Head
Braaten, Dana, B.Ed.
Budd, Chelsa, Cert (Prof. A Teach.), B.Bus., B.Ed., M.Ed.
Easterby, Michelle, OE, ECE Level 3, B.Ed.
Leonard, Richelle, Cert. (OE, Proj Mgmt), MCert PM, MPA
Meredith, Ken, BA, B.Ed, M.Ed
Renwick, Chantelle, BAdmin, Graduate Dip. (Teach.), Prof. A. Teach, MIED
Rutten, Kristen, Prof A, B.Ed, Admin Dip, HR Dip
Thomas, Jennifer, Cert. (Prof. A Teach.), B.Sc., B.Ed.
Vindevoghel, Lana, MHRD, BAED, Cert. OA

Saskatoon Campus

Business Diploma Year 1, Accountancy Diploma

MacGregor, John, B. Admin., MBA – Program Head
Boots, Donna, BA, MBA
Chilagan, Cheryl, H.B.Com., CPA, CGA
Doell, Wendy, BA (Double Hons.), MA, MBA
Tessmer, Lesley, BA, B.Ed., M.Ed.
McKee, Rebecca, B.Comm., CPA, CA
Weeks, Dana, BA, B.Comm., CMA
White, Amanda, BAdmin, MPAcc, CPA, CA

Joseph A. Remai School of Construction

Pritchard, Steven, RSE (TTMR) – Academic Chair

Architectural Technologies

Moose Jaw Campus

Deans, Angela, Cert. (Adult Ed.), Dip. (Arch.), A.Sc.T. – Program Head
Bushko, Dana, Dip. (Arch.), BCIN
Owens, Kenda, Dip. (Int. Design), NCIDQ, IDAS
Saliger, Karrin, Dip. (Arch.)
Yasieniuk, Allison, B. ED (Interior Environments), NCIDQ, IDAS

Bachelor of Construction Management

Regina Campus

Hosni, Ahmed, PhD, PEng – Program Head
Desouky, Heba, M.Sc. PENG
Regalla, Abhishek, B.Sc., M.Sc., EIT

Bricklayer

Saskatoon Campus

Hooyenga, Ryan, RSE (Carp.), Cert. (Blue Seal, CAET) – Program Head
Lemon, Brandon, RSE (Brklr.)

Carpentry

Saskatoon/Prince Albert Campus

Hooyenga, Ryan, RSE (Carp.), Cert. (Blue Seal, CAET) – Program Head
Batycki, Murray, RSE (Carp.), Cert. (CAET), Dip. (IRM)
Gaudet, Raymond, RSE (Carp.)
Hortness, Brody, RSE (Carp.)
Hurd, Tom, RSE (Carp.)
Joinson, Randy, RSE (Carp.), Cert. (V/T. Ed.)
Paetkau, Steven, RSE (Carp.)
Porter, Eugene, RSE (Carp.), Cert. (V/T. Ed.)
Spizawka, Kurt, RSE (Carp.)
St. Germaine, Robb, RSE (Carp.)
Wells, Connie, RSE (Carp.)

Moose Jaw

Mohr, Cory, RSE (Carp., CCL) Cert. (Leadership Skills, Blue Seal) – Program Head
Banilevic, Kevin, RSE (Carp.)
Dutka, Bradley, RSE (Carp., CCL), Dip. (Civil)
Fritzke, Evan, RSE (Carp., CCL)
Kleckner, Michael, RSE (Carp.)
Owens, Roger, RSE (Carp.)
Rydzik, Tyler, RSE (Carp., CCL)
Stevens, Clint, RSE (Carp., CCL)
Tremblay, Michael, RSE (Carp., CCL)

Construction Electrician (CE)

Moose Jaw / Regina Campus

Vollet, Jay, RSE (CE), CAET, BA (AE) – Program Head
Beaurivage, Claude, RSE (CE), Cert. (V/T.Ed.), B.Ed.
Boyko, Darren, RSE (CE)
Chalupiak, Dan, RSE (CE), CAET, BA (AE)
Diacon, Michael, RSE (CE)
Dingle, Mathew, RSE (CE)
Gustilov, Blake, RSE (CE, GAS, RACM), Power Eng. (5th)
Larsen, Jerrod, RSE (CE)
Leibel, Brendan, RSE (CE)
Omay, John, RSE (CE, ICT), Power Eng. (4th), Eng.), A.Sc.T.
Radfelder, Trevor, RSE (CE)
Santos, Carlos, RSE (CE)
Swift, Mike, RSE (CE)
Young, Devon, RSE (CE)

Prince Albert / Saskatoon Campus

Bell, Greg, RSE (CE) – Program Head
Brown, Kevin, RSE (CE), B.Ed.
Davenport, William (Bill), RSE (CE)

Ell, Michael, RSE (CE, ICT), Steam Eng. (4th)
Furi, Allen, RSE (CE)
Gill, Wayne, RSE (CE)
Grosskleg, Bill, RSE (CE, ICT)
Harding, Gord, RSE (CE)
Lauinger, Robbin, RSE (CE)
Leschyshyn, Dale, RSE (CE)
Liebrecht, Kelly, RSE (CE)
Sand, Derek, RSE (CE)
Smith, Ed, RSE (CE)

Plumbing/Pipefitting

Saskatoon Campus
Noble, Wes, Jny. (Plumb.), RSE (Ref/AC), Gen Gas, Cert. (Cross Connection Control), Dip. (Mech. Eng. Tech.), A.Sc.T. – Program Head
Bartko, Chris, RSE (Plumb.), Dom. Gas
East, Frank, RSE (Plumb.), Gen. Gas, Cert. (Cross Connection Control)
Groenendyk, Tim, RSE (Plumb., Steam/Pipe), Dom. Gas, Med. Gas
Halter, Grant, RSE (Plumb.), Gen. Gas, Cert. (Cross Connection Control)
Lust, Levi. RSE (Plumb.), Gen. Gas
Schmidt, Vaughn, RSE (Plumb.), Gen. Gas, Cert. (Fireman's)
Sweeney, Rob, RSE (Steam/Pipe), Gen. Gas
Touet, Rick, RSE (Plumb.), Gen. Gas (Cross Connection Control).
Clint Young, RSE (Plumb.), Gen. Gas, Cert. (Cross Connection Control)

Regina Campus
Noble, Wes, Jny. (Plumb.), RSE (Ref/AC), Gen Gas, Cert. (Cross Connection Control), Dip. (Mech. Eng. Tech.), A.Sc.T. – Program Head
Brown, Darrell, RSE (Plumb.), Gen. Gas, Cert. (Ref. Eng., 4th Class Stationary Steam Eng., Cross Connection Control)
Dolha, Shane, RSE (Plumb.), Gen. Gas, Cert. (Cross Connection Control)
Parley, Craig, Cert. (Special Ed.), RSE (Plumb.), Gen. Gas, B.Ed.
Shular, Jeff, RSE (Plumb.), Gen. Gas

Refrigeration and Air Conditioning

Saskatoon Campus
Blakely, Aubrey (Lee), RSE (Ref. & A/C, Elect.), Cert. (Dom. Gas) – Program Head
Duchscher, Don, RSE (Ref. & A/C), Cert. (Dom. Gas)
Schneider, Mitch, RSE (Ref. & A/C, Plumb.)
Urban, Gary, RSE (Ref. & A/C), Cert. (Dom. Gas)
Phan, Tu, RSE (Ref. & A/C)

Sheet Metal

Saskatoon Campus
Demmans, Maury, RSE (SM), Cert. (RHASD), Dom Gas – Program Head
Downing, Matthew, RSE (SM), Cert. (RHGL, RASD, RMVI)
Curtis, Shea, RSE (SM)
Despins, Dale, RSE (SM), Cert. (RMVI)

Women in Trades & Technology (WITT)

Saskatoon/Prince Albert/Regina Campus
Zerr, Allison, RSE (Welder, Metal Fab.), BSE (Welder) – Program Head
Clegg, Kelly, RSE (Carp.)
Jacobson, Justine, RSE (Welder)
Murray, Sharon, RSE (Carp.)
Reynolds, Robin, RSE (Carp.)

School of Hospitality and Tourism

Culinary Arts/Cook/Professional Cooking/Short Order Cooking

Cotton, Derek, Inter-Prov. Jny. (Cook), Cert. (Chef de Cuisine) – Academic Chair

Saskatoon Campus
Wheeler, Paul, CAET [PT 1], Inter-Prov. Jny. (Cook), OSJ [PT2] OSB – Program Head
Beaule, Michael Inter-Prov. Jny. (Cook), Cert. (Chef de Cuisine)

School of Hospitality and Tourism

Culinary Arts/Cook/Professional Cooking/Short Order Cooking

Cotton, Derek, Inter-Prov. Jny. (Cook), Cert. (Chef de Cuisine) – Academic Chair

Saskatoon Campus
Wheeler, Paul, CAET [PT 1], C.Th., Inter-Prov. Jny. (Cook) – Program Head
Beaule, Michael Inter-Prov. Jny. (Cook), Cert. (Chef de Cuisine)
Dahl, Andrew, Inter-Prov. Jny. (Cook)
Driver, Steve, Jny. (Cook)
Nelson, Everett, Inter-Prov. Jny. (Cook) – Program Head
Soloski, Kevin, Inter-Prov. Jny. (Cook), Cert. (Chef de Cuisine), Applied Degree Culinary Operations
Wishlow, Sheldon, Inter-Prov. Jny. (Cook), Cert. (Adult Ed.), Dip. (Food and Nutrition)

Prince Albert Campus
Nelson, Everett, Inter-Prov. Jny. (Cook) – Program Head
Dahlsjo, Kevin, Inter-Prov. Jny. (Cook)
McCarthy, Anthony, Cert. (City and Guilds), Cert. (chef de Cuisine)

Regina Campus
Nelson, Everett, Inter-Prov. Jny. (Cook) – Program Head
Thauberger, Jonathan, Inter-Prov. Jny. (Cook) Cert. (Chef de Cuisine)
Faucher, Marcie, Inter-Prov. Jny. (Cook)

Retail Meat Specialist

Cotton, Derek, Inter-Prov. Jny. (Cook), Cert. (Chef de Cuisine) – Academic Chair

Saskatchewan Polytechnic Governance Administration and Faculty

Prince Albert Campus
Nelson, Everett, Inter-Prov. Jny. (Cook) – Program Head

Food & Nutrition Management
Cotton, Derek, Inter-Prov. Jny. (Cook), Cert. (Chef de Cuisine) – Academic Chair

Saskatoon Campus
McFarland, Leanne, B.Sc., RD, BSP – Program Head
Dahl, Cheryl, B.Sc., RD
Sokmenoglu, Jordan, Dip. (Food and Nutrition Management), CNM
Straker, Jason, Inter-Prov. Jny. (Cook), Cert. (Chef du Cuisine)

Health Care Cook
Cotton, Derek, Inter-Prov. Jny. (Cook), Cert. (Chef de Cuisine) – Academic Chair

Prince Albert Campus
McFarland, Leanne, RD, BSP – Program Head
Dahl, Cheryl, RD
Stanford, Ben, Inter-Prov. Jny. (Cook, Baker, Food & Beverage), Cert. (Chef de Cuisine)

Moose Jaw Campus
McFarland, Leanne, RD, BSP – Program Head
Dahl, Cheryl, RD
Patterson, Wayne, Inter-Prov. Jny. (Cook)

Hotel and Restaurant Management
Cotton, Derek, Inter-Prov. Jny. (Cook), Cert. (Chef de Cuisine) – Academic Chair

Saskatoon Campus
Hartsook, Dean – BA Advanced (Economics), Dip. (Hotel and Restaurant Management) – Program Head
Cole, Richard, Dip. (Culinary Arts), Inter-prov. Jny. (Cook)
McLennan, Alana, Dip (Hotel & Restaurant Management)
Matyczuk, Sheldene, Jny. (Food and Beverage Person), WSE (Wine Spirits Education Trust) Lvl 2, Dip. (Golf Course Mgmt.)

Regina Campus
Hartsook, Dean – BA Advanced (Economics), Dip (Hotel & Restaurant Management) – Program Head
Neufeld, Kendall, Dip. (Hotel and Restaurant Management)
Sentes, Guy

Post Graduate Certificate
Cotton, Derek, Inter-Prov. Jny. (Cook), Cert. (Chef de Cuisine) – Academic Chair

Prince Albert Campus
Davidson, Josh (Dip. Rec. & Tour.) (Dip. Bus. Admin) (B.KIN-Sport Administration) – Program Head
Remenda, Jayne (B. Arts) (MA)

Recreation and Tourism Management
Cotton, Derek, Inter-Prov. Jny. (Cook), Cert. (Chef de Cuisine) – Academic Chair

Saskatoon Campus
Davidson, Josh (Dip. Rec. & Tour.) (Dip. Bus. Admin) (B.KIN-Sport Administration) – Program Head
Peters, Amy (Cert. Adv. WLP) (B.Th.)
Cross, Stephanie (Dip. Rec. & Tour) (B.KIN-Sport Administration)
Painchaud, Michael (Dip. Rec. & Tour) (B. Arts- Global Tourism Management)

Recreation and Tourism Management
Cotton, Derek, Inter-Prov. Jny. (Cook), Cert. (Chef de Cuisine) – Academic Chair

Saskatoon Campus
Davidson, Josh (Dip. Rec. & Tour.) (Dip. Bus. Admin) (B.KIN-Sport Administration) – Program Head
Peters, Amy (Cert. Adv. WLP) (B.Th)
Cross, Stephanie (Dip. Rec. & Tour) (B.KIN-Sport Administration)
Painchaud, Michael (Dip. Rec. & Tour) (B. Arts- Global Tourism Management)

Saskatoon Campus
Davidson, Josh, Dip. (Rec. & Tourism), Dip. (Bus. Admin.), B.Sc

School of Information and Communications Technology

Nanan, Shaun, Dip. (Elect.), BASc., A.Sc.T., P.Eng. – Academic Chair
Nikkel, Spencer, Cert. (TESOL), BA, ICT Learning and Innovation
Wilder, Tanis, MA – Academic Chair

Moose Jaw Campus

Business Information Systems Diploma, Technology Management Post-Graduate
Osborne, Gavin, Dip. (IT), BA (Hons.), M.Sc. – Program Head
Barclay, Michael, Dip. (BIS), ISP
Dvorak, Walter B. Eng, Dip. (CIS), MBA
Ennab, Mohammed B.Sc, M.CIS
Nicholas Ferguson
Shiers, Brett, B.Sc. (Hons)
Youssef, Hazem B. Eng, MBA, M. Eng

Regina Campus

Business Information Systems Diploma, Computer Systems Technology Diploma
Osborne, Gavin, Dip. (IT), BA (Hons.), M.Sc. – Program Head (at Moose Jaw Campus)
Kopytko, Hannah Cert. (New Media), Cert (Applied Web Design), Dip. (BIS)

Saskatchewan Polytechnic Governance Administration and Faculty

Regel, Jared B. Sc, MBA
Vance, Michael Dip. (BIS)
Wunsch, Christa, B.Sc. Honours, CCNA

Artificial Intelligence and Data Analytics Post-Graduate, Cloud Computing and Blockchain Post-Graduate

Herbert, Joseph, B.Sc., M.Sc., PhD – Program Head
Gyamfi, Albert
Abu Hena Al Muktadir
Samei, Rahim

Computer Networking Technician Certificate, Computer Automated Systems Technician Diploma

Armbruster, Heath, CFOT, A.Sc.T. – Program Head
Allen, Tamra, BASc., P.Eng.
Bespalko, Matt, CFOT
Lacell, Jeff, CA-Level 2, A+, CFOT-1, C.Tech.
Rodgers, Aaron, CFOT, CPCT, C.Tech.
Sikhar, Criag, A.Sc.T – Dip.(Computer Engineering Technology)
Wood, Anthony

Graphic Communications Diploma, Interactive Design and Technology Diploma

Craigie, Heather, Jny. (Printer), Cert. (GAP) – Program Head
Davis, Joel, Dip. (GC)
Henry, Kyla, Dip. (GC)
Lague, Geremy, BFA, MFA
Peterson, Cody, FCP, Cert. (GATF Pre-Press, CMP Master), Dip. (GAP)
Symon, Roxanne, Dip. (GC)
Yashchechen, Shannon, Dip. (GAP, NMC, AP), BFA, BA, MFA

Saskatoon Campus

Computer Systems Technology Diploma, Software Developer Post-Graduate

New, Ron, Dip. (CST), BA, CNA, MCSE – Program Head
Barrie, Bryce, B.Sc., M.Sc.
Ernesto Basoalto
Benson, Ben, FCP, B.Sc. (Comp. Sci.), B.Sc. (Physics),
Caron, Rick, FCP, Dip. (Civil Eng., CAD/CAM, Renew. Res.)
Danyluk, Derrick
Ding, George, PhD
Gardiner, Greg, Dip. (CAP), B.Comm., B.Ed., CGA
Grzesina, Michael
Kaban, Coralee, FCP, Dip. (CST)
Lahoda, Wade, BA, B.Sc.
Onishenko, Donovan, Dip. (Electronics), MCP, A+, B.Sc.
Schmidt, Jason, Dip. (CST)
Seaton, Jennifer, BA (Anthropology), MAIS (Cultural Studies), PhD Interdisciplinary Studies (Computer Science/Education)

Library And Information Technology Diploma, Library Clerk Certificate

Berast, Chasity, Cert. FCP, (Learning Disability Specialist), Dip. (Lib. & Info. Tech.), B. Arts, MLIS – Program Head
Szeman, Becky, FCP, MLIS

Media Production Diploma, Interactive Design and Technology Diploma, Front End Web Developer Certificate

Mahlberg, Kevin, Dip. (AV) – Program Head
Gabrielson, Damien, B.Sc.
Kowalchuk, Brent, BFA
Lewis, Simon, Dip. (Broadcasting), BA Hons (Drama), B Ed.
Nykiforuk, Ross, B.Mus. Mus Ed.
Schaffel, Arlin, B.Sc.
Wall, Craig, Dip. (Vis. Com.), B.F.A., B.Ed.

Cyber Security Post-Graduate, Artificial Intelligence and Data Analytics Post-Graduate, Cloud Computing and Blockchain Post-Graduate, Technology Management Post-Graduate

Herbert, Joseph, B.Sc., M.Sc., PhD – Acting Program Head (at Regina Campus)
Eugine, Merlin, B.Tech, MBA – Program Coordinator
Alademomi, Sarah B.Sc., M.Sc.
Guo, Hongyu, B.Sc. (Computer Science), M.Sc. (Computer Science, Biomedical Engineering)
He, Yongchang, BEng
Ramkalawan, Daryl, B.Sc. (Computing and Information Systems), M.Sc. (Information Systems Management), ISP
Samaniego, Mayra, M.Sc., PhD

School of Mining, Manufacturing & Engineering Technologies

Bechard, Dan, Dip. Tech. (CADD), A.Sc.T. – Academic Chair, Engineering Technologies
Lipsit, Scott, B.Sc. (Adv.), M.Sc., EP – Interim Academic Chair, Science's, Natural Resources Technologies & Co-operative Education
Paul, Grant, Jny. (Mach.) – Academic Chair, Trades and Technologies

Design & Manufacturing Engineering Technology

Saskatoon Campus

Muench, Tim, BE, M.Sc., P.Eng., CCNA – Program Head
Diakow, Lorne, EMT, Dip. (CAD/CAM), A.Sc.T., CCNA
Lozinsky, Ken, BE, P.Eng
Murdoch, Brian, BASc., M.Sc., P.Eng.

Saskatchewan Polytechnic Governance Administration and Faculty

Chemical Technology

Saskatoon Campus
Douglas, Amy, B.Sc., M.Sc. – Program Head
Chau, Thoai (Tony), B.Sc., M.Sc.
Sajna Simon, B.Sc., M.Sc., PhD

Computer Engineering Technology

Moose Jaw Campus
Nanan, Shaun, Dip. (Elect.), BASc., A.Sc.T., P.Eng. – Program Head
Jaradat, Naser, B.Sc., M.Sc., P.Eng – Program Head
Monteith, David, Dip. (Comp Eng.), A.Sc.T
Skihar, Craig, Dip. (Comp. Eng.), A.Sc.T.
Le, Daniel, B.Sc., M.Sc.

Electrical Engineering Technology

Moose Jaw Campus
Varghese, Babith, M.Eng., P. Eng, PMP, CFOT – Program Head
Bah, Sulayman, Dip. Tech, BA, B.Eng., M.Sc., A.Sc.T., P.Eng.
Leuschen, Devon, A.ScT
Malek, Markus, Dip. Tech (Env Sc, Elec)
Panigrahi, Sujata, BE, M.Sc,,E.I.T.
Zhang, Xiao, Dip. (Elect.), B.Sc., M.Sc., PhD, A.Sc.T., P.Eng

Electronic Systems Engineering Technology & Electronics Technician

Saskatoon Campus
Roslinsky, Chris, Dip. (Ind. Elec.), B.Eng. – Program Head
Lasante, Michael, Cert. (Web Design), Dip. (Ind. Elec.), A.Sc.T.
Salooja, Bobby, B.Eng., P. Eng
Schneider, Tim, Cert. (Comp. Sci.), Dip. (Ind. Elec.), A.Sc.T.
Voykin, Anthony, B.Sc., M.Sc. P. Eng.

Engineering Design and Drafting Technology

Moose Jaw Campus
Forest, Kaya, Dip. (Water Eng.), B.Sc., M.Sc., P.Chem. – Program Head
Dobson, Kirby, Dip. (EDDT)
Ricafort, Ramon, B.Sc. (Civil Eng), M.Sc., A.Sc.T., EIT
Young, Shawn, Dip (EDDT), A. Sc.
Wingert, Earl, Dip. (CADD)

Industrial Mechanics

Saskatoon Campus
Lockhart, Billy, RSE, Inter-Prov. Jny. (Ind. Mech./Millwright), City & Guilds (Maint. Mech.–Scotland), Cert. (V/T.Ed.) – Program Head
Farries, Eric, RSE, Inter-Prov, Jny (Ind. Mech/Millwright), Cert TSOL (English)
Gilchrist, Rob, RSE, Inter-Prov. Jny. (Ind. Mech./Millwright), Cert. (V/T.Ed.)
Cumbers, Richard, RSE, Inter-Prov. Jny. (Ind. Mech./Millwright), Blue Seal,
Dielschneider, Neil, RSE, Inter-Prov. Jny. (Ind. Mech./Millwright)
Neudorf, Gerald, RSE, Inter-Prov. Jny. (Ind. Mech., HDM, Welder, Autobody Mech., Steel Fab.)
Perret, Shaun, RSE. Inter-Prov. Jny. (Ind. Mech./Millwright), B.Ed. Blue Seal
Schimnosky, Dan, RSE, Inter-Prov. Jny. (Ind. Mech./Millwright), Blue Seal,
Janzen, Michael, RSE, Inter-Prov. Jny (Ind. Mech. /Millwright), Inter-Prov. Jny (Structural Ironworker), B.Sci. Kinesiology, B.Ed.

Prince Albert Campus
Leschyshyn, Wayne, RSE, Inter-Prov. Jny. (Ind.Mech./Millwright)

Innovative Manufacturing

Regina Campus
Ursulescu Philip, RSE Inter-Prov Jny. Mach. – Program Head
Drysdale Graeme PhD, P.Eng
Hallemann, Randy, RSE, Inter-Prov. Jny. (Ind. Mech./Millwright),
Wollbaum Evan Inter-prov. Jny. Machinist

Instrumentation Engineering Technology

Moose Jaw Campus
Hillsdon, Michael, Bachelor of Technology, RSE Inber-Prov. Jny. (Instrument Control Technician), Diploma (Instrumentation Engineering Technology, C.Tech – Program Head
Elijah Baiton, RSE Inter-Prov. Jny. (Instrument Control Technician), Diploma (Instrumentation Engineering Technology)
Ferguson, Mark RSE Inter-Prov. Jny. (Instrument Control Technician), Diploma (Instrumentation Engineering Technology), (Instr.)
Mathieson, Jared, RSE Inter-Prov. Jny. (Instrument Control Technician), Diploma (Instrumentation Engineering Technology), A.Sc.T.

Machinist

Saskatoon Campus
Dyck, Daniel, RSE, Inter-Prov. Jny. (Mach.) – Program Head
Jacklin, Emmet, RSE, Inter-Prov. Jny. (Mach.), Cert. (V/T.Ed.)
Morgan, Curtis, RSE, Inter-Prov. Jny. (Mach.), CAET – Certificate in Adult Education and Training – U of R; Blue Seal – Saskatchewan Apprenticeship; Leadership Skills – Applied Certificate - Saskatchewan Polytechnic

Regina Campus
Ursulescu, Phil, Jny. (Mach.) – Program Head
Obrigewitsch, Brian, Jny. (Mach.)
Susa Peter (Al) Inter-prov. Jny. Machinist

Mechanical Engineering Technology

Saskatoon Campus
Soucy, Kurt, BE, P.Eng. – Program Head
Hehn, Jeff, BE, M.Sc., P. Eng.
Hemingson, Howard, B.Sc., BE, M.Sc., EIT
Jassar, Ravi Inder, PhD, P.Eng
Thorpe, Peter, B.Ed., BE, M.Sc. P.Eng.

Saskatchewan Polytechnic Governance Administration and Faculty

Mining Engineering Technology

Saskatoon Campus
Faris, Danielle, Dip. (Geo. Tech.), – Program Head
Adelakun Adekunle B. Eng, P. Eng
Ollegasagrem, Henry, B.Sc., M.Eng., C.Eng., P.Eng.
Rabba, Alaaldeen (Ala), Adv. Dip. (Mining Eng.), B.Sc., B.Ed., M.Ed.

Power Engineering Technology

Saskatoon Campus
Gulka, Lester, Inter-Prov. 2nd Class Power Engineer, Cert. (Ref. Eng.) – Program Head
Chevrefils, Angela, Inter-Prov. 2nd Class Power Engineer, Cert. (Ref. Eng.)
Lansford, Scott, 2nd Class Power Engineer, Cert.
MacDonald, Dennis, 2nd Class Power Engineer, Cert. (Ref. Eng.)
McCannell, Ian, 2nd Class Power Engineer, Cert. (Ref. Eng.)
Sellers, Katherine 2nd Class Power Engineer, Cert. (Ref. Eng.)
Sorowski, Terry, 2nd Class Power Engineer, Cert. (Ref. Eng.)

Welding/Fabricator Welding

Saskatoon Campus
Schaan, Ian, Inter-Prov. Jny. (Welder, Fab.) – Program Head
Otteson, Blaine, Inter-Prov. Jny (Welder), AB Jny. /SK. Jny., CWB Level 1 Inspector, Dip. (IIW International Welding Specialist)
Johnson, Randy, Inter-Prov. Jny. (Welder), CWB Level 1 Inspector
Claypool, Paul, Jny. (Welder, Metal Fab)
Krieg, Scott, Inter-Prov. Jny. (Welder), CSA Level 1 Welding Inspector, CWB Welding Supervisor & Qualified Welder, ASME Pressure Qualified Welder, Dip. (IIW International Welding Specialist)
Mills, John, Inter-Prov. Jny. (Welder, Metal Fab.)
Nickel, Ron, Inter-Prov. Jny. (Welder), Jny. (Ind. Mech./Millwright), CWB Level 1 Inspector, Dip. (IIW International Welding Specialist)
Salt, William, Inter-Prov. Jny. (Welder, Steel Fab.), CWB Level 1 Inspector
Schaan, Ian, Inter-Prov. Jny. (Welder, Fab.)
Yeager, Nathan, Jny. (Welder, Steel Fab.), CWB Level 1 Inspector

Moose Jaw Campus
Boos, Douglas, RSE, Inter-Prov. Jny. (Welder, Steel Fab.) CWB Level 2 Inspector, Dip. (IIW International Welding Specialist) – Program Head
Thibault, Rick, RSE Inter-Prov. Jny. (Welder) Jny. (Iron Worker)
Lehne, Reinhard, RSE, Inter-Prov. Jny. (Welder)
Shaw, Cal, RSE, Inter-Prov. Jny. (Welder), CWB Supervisor
Korchinski, Travis, RSE, Inter-Prov. Jny. (Welder)

Iron Worker Program

Moose Jaw Campus
Boos, Douglas, RSE, Inter-Prov. Jny. (Welder, Steel Fab.) CWB Level 2 Inspector, Dip. (IIW International Welding Specialist) – Program Head
Tappin, Ryan, Inter-Prov. Jny. (Iron Worker)
Zimmerman, Kim, Inter-Prov. Jny. (Iron Worker)

Regina Campus
Boos, Douglas, RSE, Inter-Prov. Jny. (Welder, Steel Fab.) CWB Level 2 Inspector, Dip. (IIW International Welding Specialist) – Program Head
Cossette, Joe, ATL, CWB Level 2, Red Seal Welder, Red Seal Metal Fabricator, TSASK Pressure Certified, TSASK Welder Examiner, CWB Steel Welding Supervisor, Miller Robet Programming, Kuka Robot Programming
Dering, Derrick, RSE, Inter-Prov, Jny. (Welder), RSE Inter-Prov. Jny. (Fabricator), CWB Level 1 Inspector, TSASK Pressure Certified
Hawrysh, Brent, RES, Inter-Prov. Jny. (Welder), CWB Level 1 Inspector, Blue Seal
Street, Travis, RSE, Inter-Prov. Jny (Welder)
Thibault, Rick, RSE Inter-Prov. Jny. (Welder) Jny. (Iron Worker

Prince Albert Campus
Abadi, Rick, Inter-Prov. Jny. (Welder)

School of Agriculture, Natural Resources & Sustainability

Bechard, Dan, Dip. Tech. (CADD), A.Sc.T. – Academic Chair, Engineering Technologies
Lipsit, Scott, B.Sc. (Adv.), M.Sc., EP – Interim Academic Chair, Science's, Natural Resources Technologies & Co-operative Education
Paul, Grant, Jny. (Mach.) – Academic Chair, Trades & Technologies

Agricultural Equipment Technician

Saskatoon Campus
Thomson, Chris, RSE (AMT, HDR), JDU (Advanced), Post-Sec. Voc. – Program Head
Auchstaetter, Brent, RSE. (AMT, HDR), JDU (Master)
Boutin, Rupert, RSE. (AMT, HDR), JDU (Master)
Childs, Steve, RSE (AMT), JDU (Advanced)
Coates, Tim, RSE (AMT), JDU (Advanced)
Dahl, Tim, RSE (AMT), Jny. (HDR), JDU (Master)
Dudragne, Quintin, RSE (AMT), JD Tech
Friesen, Marlon, RSE (AMT), JDU (Advanced)
Germsheid, Chad, RSE (AMT), JDU (Advanced)
Messner, Emily, RSE (AMT), JD Tech
Schultz, Stacy, RSE (AET, HDR), CNH (Master)
Worfolk, Anthony, RSE (AMT), JD Tech

Agriculture and Food Production

Moose Jaw Campus
Sarauer, Bryan, B.Sc., M.Sc., A.Ag. – Program Head
Putland, Will, BASc.

BioScience Technology

Saskatoon Campus
McCannell, Tarra, Adv. Cert. (Adult Ed.), B.Sc., M.Sc – Program Head
Mulenga-Woo, Debbie, B.Sc. (Adv)
Wall, Lance, Adv. Cert. (Adult Ed.), BSA, M.Sc.
Stankewich, Charlie, Dip. (BioScience), B.Sc.

Saskatchewan Polytechnic Governance Administration and Faculty

Civil Engineering Technologies: Construction & Water Resources Specialties

Moose Jaw Campus
Massier, Dean, Dip. (Civil), Cert. (V/T.Ed.), A.Sc.T. – Program Head
Alexandre, Gilberto, B.Sc. M.Sc., PhD, P. Eng.
Bansah, Samuel, B.Sc., M.Sc., PhD, P.Eng.
Bowler, Carolyn, Dip. (Water Res.), A.Sc.T.
Enns, Cody, Dip. (Civil), A.Sc.T.
Lamothe, Shawn, Dip. (Civil), LEED AP, A.Sc.T.
Kostal, Jordan, B.Eng (Civil) P.Eng., A.Sc.T.
Waddell, Sasha, BTECH, A.Sc.T.

Environmental Engineering Technology

Moose Jaw Campus
Forest, Kaya, Dip. (Water Eng.), B.Sc., M.Sc., P.Chem. – Program Head
Bomersbach, Teresa, Dip. (Water Sci), A. Sc.T.
Donald, Dwayne, B.Sc., P.Biol., P.Ag.
Ljunggren, Kelly, Dip. (Env.), A.Sc.T.

Natural Resource Technologies

Prince Albert Campus
Fisher, Teal, Dip. (IRM), Cert. (GIS) – Interim Program Head
Strom, Nat, Dip. (Renewable Resources)
Bahr, Jim, B.Sc., M.Sc.
Galbraith, Ryan, B.Sc., Adv. Dip. (GIS), M.Sc., GISP
Greenwood, Hamilton, B.Sc. (Hons.), PhD
Hourie, Trisha, BA (ISW)
Marchand, Joanne, B.Sc. (Botany)
Perry, Rebecca, B.Sc. (Hons)., M.Sc.
Pillipow, Zane, Dip. (Tax. Tech.),
Renouf, Lorne, Cert. (V/T.Ed.), B.Sc, Forest Technician, RPF
Sutor, Stan, Cert. (Cons. Law Enforcement), Dip. (Renew. Resource Mgmt.)

School of Transportation

McTavish, Brandi, RSE (HDR) – Academic Chair

Auto Body Technician

Saskatoon Campus
Kucharyshen, Scott, RSE (ABCT), BSE, I-CAR Platinum – Program Head
Bloomquist, Evan, RSE (ABCT), I-CAR Platinum, BETAG
Karcha, Charity, RSE (ABCT)
Kotzer, Gary, RSE (ABCT), I-CAR Platinum, BETAG
Lafonde, Lance, RSE (ABCT), I-CAR Platinum
Schultz, Josie, RSE (ABCT)
Shaw, Jeremiah, RSE (ABCT), BSE, I-CAR Platinum

Regina Campus
Hawkins, Dale, RSE (ABCT), I-CAR Platinum – Program Head
Bryson, Sean, RSE (ABCT)
Renner, Robert, RSE (MVBR), I-CAR Instructor
Roset, Shane, RSE (ABCT), I-CAR
Schalk, Raymond, RSE (ABCT)
Ferguson, Spencer, RSE (ABCT), I-CAR Platinum

Automotive Service Technician/Automotive Service Education Program

Saskatoon Campus
Phillips, Lorne, RSE (AST), BSE, Cert. (V/T.Ed.), B.Ed. – Program Head
Gareau Ryan, RSE (AST)
Guthrie, Nicholas, RSE (AST), ATL
Johnson, Garnet, RSE (AST), Cert. (Prof. A Teach.), B.Ed.
Manderscheid, Ian, RSE (AST), ATL
Morton John, RSE (AST)
O'Dell Tanner, RSE (AST)
Preston, Jeff, RSE (AST)
Rutledge, Darryl, RSE (AST, TTMR), S.P.
Sawatzky, Glenn, RSE (AST)
Seibert Brody, RSE (AST)
Shynkaruk Dana, RSE (AST)

Moose Jaw Campus
Schlamp, Todd, RSE (AST), Cert. (Teach.) – Program Head
Collins, Jodi, RSE (AST)
Dunbar, Jay, RSE (AST), BA (Bus.Admin.)
Flegel, Dominic, RSE (AST)
Humphreys, Andrew, RSE (AST)
Kennedy, Andrew, RSE (AST)
Mohns, Brian, RSE (AST), Jny. (Truck & Trans.), Cert. (V/T Ed)
Russell, Stirling (Rick), RSE (AST)

Regina Campus
Schlamp, Todd, RSE (AST), Cert. (Teach.) – Program Head
Dulong, John, RSE (AST)
Reitmeier, Tom, RSE (AST)
Williams, Mike, RSE (AST)

Commercial Pilot

Saskatoon Campus - Koyl Avenue
Willison, Reed, RSE (Ag Mach Tech), Cert. (Prod. Line Weld.), Commercial Pilot, Class 1 Flight Instructor – Program Head
Rohrke, Terry, Commercial Pilot, Class 3 Flight Instructor

Heavy Equipment and Truck and Transport Technician

Saskatoon Campus – English Crescent
Van Pul, Pascal – Program Head
Coates, Jay, RSE (HDR, AMT)
Grummet, David, RSE (TTMR)
Harms, Greg, RSE (TTMR)
Henderson, Kelly, RSE (TTMR)
Jaques, Greg, RSE (TTMR, HDR)
Mager, Luke, RSE (TTMR)
Malone, Rob, RSE (TTMR)
McCullough, Dave, RSE (HDR)
Molnar, Andrew, RSE (TTMR, AST)

Poirier, Roderick, RSE (TTMR)
Schoenau, Michael, RSE (HET, AMT)
Thompson, Aaron, RSE (TTMR)
Venne, Jason, RSE (TTMR)

Parts Management Technician

Saskatoon Campus
Mervold, David, RSE (Parts Technician), Cert. (Parts Mgmt., Blue Seal, Leadership, Indig.Leadership) – Program Head
Bailey, Sam, RSE (Parts Technician) Cert. (Blue Seal, Indig.Leadership)
Blandford, Lisa, RSE (Parts Technician, Blue Seal)
Couwenberg, Nancy, RSE (Parts Tech,)
Elliott, Karla, RSE (Parts Tech.), Cert. (Blue Seal, Leadership) BA (Psych)
Engel, Dave, RSE (Parts Tech.), Cert. (Parts Mgmt., Blue Seal, Leadership), BAC
Jones, April, RSE (Parts Tech.), Cert. (Parts Mgmt., Blue Seal, Leadership)
Jones, Nancy, RSE (Parts Tech.)
Kasper, Nadine, RSE (Parts Tech.), Cert. (Parts Mgmt.)
Long, Richard, RSE (Parts Tech.), Cert. (Parts Mgmt. CAET)
Mohr, Heather, RSE (Parts Tech.), Cert. (Parts Mgmt., Blue Seal, Leadership), Dip. (Hotel & Rest. Admin.)
Mohr, Jason, RSE (Parts Tech.), Cert. (Blue Seal, Leadership)
Ross, Stephanie, RSE (Parts Tech.), Cert. (Parts Mgmt., Blue Seal, Leadership, Indig. Leadership)

Sustainability-Led Integrated Centres of Excellence (SLICE)

Chartrand, Blaine, M.Sc.
Halstead, David, M.Sc., P.Biol.
Lipoth, Leon, M.Eng., P.Eng., FCP
Panigrahi, Satya, PhD, P.Eng., FEC
Raouf, Abdul, PhD
Weiseth, Blake, M.Sc., P.Ag

Apprenticeship

About Apprenticeship Training

- Apprenticeship is a formal agreement between an individual who wants to learn a skill and an employer who needs a skilled worker
- Apprenticeship training is a multi-year "earning-while-learning" arrangement for a required term
- Apprentices already have jobs in their desired field of work, and have signed a contract of apprenticeship with their employer and the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC)
- Under the supervision of a certified journeyperson, an apprentice receives knowledge and develops skills through on-the-job training
- Apprenticeship skills learnt on the job are supplemented with a required number of weeks of in-school technical training each year
- Upon successful completion of an apprenticeship program, you are eligible to write an examination to become a certified journeyperson in your trade

Apprenticeship Contract

You may enter into an apprenticeship contract (become indentured) if you:

- are 16 years old or older
- have the proper educational requirements
- work in a designated trade (either as an employee, employer or self-employed shop owner)

When signed, the apprenticeship contract is registered with the Saskatchewan Apprenticeship and Trade Certification Commission.

Technical Training

- Saskatchewan Polytechnic provides the in-school portion of apprenticeship training for 20 apprenticeable trades
- Technical training provides you with theory, testing and hands-on experience. It is available in Regina, Moose Jaw, Saskatoon and Prince Albert
- Technical training is also available in cities in other provinces (for some trades)

Training Programs and Other Information

All apprenticeship training is scheduled by the SATCC. For more information about the trades listed below (requirements for technical and on-the-job training, entrance level and journeyperson examinations) or for information about start dates for specific training periods, please contact the Saskatchewan Apprenticeship and Trade Certification Commission at http://saskapprenticeship.ca/about-us/contact-us/ or:

2140 Hamilton Street
Regina SK S4P 2E3
Phone: 306-787-2444
Toll-free: 1-877-363-0536

Apprenticeship Incentive Grant and Apprenticeship Completion Grant

The Apprenticeship Incentive Grant offers $1,000 to eligible apprentices who successfully complete their first and/or second level of apprenticeship training in a designated Red Seal trade, to a maximum of $2,000.

The Apprenticeship Completion Grant offers $2,000 to eligible apprentices who successfully complete their apprenticeship training and receive their journeyperson certification in a designated Red Seal trade on or after January 1, 2009.

By combining the two grants, apprentices could be eligible for up to $4,000 upon certification in a designated Red Seal trade.

Program Name	Campus(es)	Term of Apprenticeship	Length of Training at Saskatchewan Polytechnic per Year/Level
Agricultural Equipment Technician	Saskatoon	4 years	8 weeks per year
Auto Body and Collision Technician	Regina Saskatoon	4 years	Level 1: 6 weeks Level 2: 6 weeks Level 3: 7 weeks Level 4: 7 weeks
Automotive Service Technician	Moose Jaw Saskatoon	4 years	8 weeks per year
Automotive Service Educational Program (ASEP)	Regina Saskatoon	4 years	8 weeks per year
Bricklayer	Saskatoon	3 years	8 weeks per year
Carpenter	Moose Jaw Prince Albert Regina Saskatoon	4 years	7 weeks per year
Construction Craft Labourer	Moose Jaw	2 years	4 weeks per year
Construction Electrician	Moose Jaw Prince Albert Regina	4 years	Level 1: 8 weeks Level 2: 8 weeks Level 3: 9 weeks Level 4: 8 weeks
Cook	Moose Jaw Prince Albert Saskatoon	3 years	40 days per year
Heavy Duty Equipment Mechanic	Saskatoon	4 years	8 weeks per year
Instrumentation and Control Technician	Moose Jaw	4 years	10 weeks per year
Industrial Mechanic (Millwright)	Saskatoon	4 years	8 weeks per year
Ironworker (Structural/Ornamental)	Moose Jaw	3 years	Level 1: 8 weeks Level 2: 8 weeks Level 3: 6 weeks
John Deere Ag Tech	Saskatoon	4 years	Level 1: 12 weeks Level 2: 8 weeks Level 3: 12 weeks Level 4: 8 weeks
Machinist	Saskatoon	4 years	Level 1: 8 weeks Level 2: 8 weeks Level 3: 8 weeks Level 4: 6 weeks

Program Name	Campus(es)	Term of Apprenticeship	Length of Training at Saskatchewan Polytechnic per Year/Level
Metal Fabricator (Fitter)	Saskatoon	3 years	8 weeks per year
Partsperson	Online	3 years	Level 1: 8 weeks Level 2: 8 weeks Level 3: 6 weeks
Plumber	Saskatoon Regina	4 years	Level 1: 8 weeks Level 2: 8 weeks Level 3: 7 weeks Level 4: 7 weeks
Refrigeration and Air Conditioning Mechanic	Saskatoon	4 years	8 weeks per year
Sheet Metal Worker	Saskatoon	4 years	8 weeks per year
Steamfitter-Pipefitter	Saskatoon	4 years	Level 1: 8 weeks Level 2: 8 weeks Level 3: 7 weeks Level 4: 7 weeks
Truck and Transport Mechanic	Saskatoon	4 years	8 weeks per year
Welder	Moose Jaw Regina Saskatoon	3 years	Level 1: 7 weeks Level 2: 7 weeks Level 3: 8 weeks

Literacy and Adult Education

- Did you leave high school before graduating? Do you wish you were qualified for more jobs, or had the pre-requisites needed for further training? Education opens doors—to better jobs, better pay, more career choices.
- If gaps in your education are holding you back, consider enrolling in our adult secondary, upgrading, skill development and employment readiness programs. We can help you unlock those doors and build a brighter future.
- To apply for any of our programs you must be a Saskatchewan resident and be 19 years of age and older or 18 years of age and out of school for at least one year.

Adult Basic Education

Our programs are offered at Sask Polytech campuses in Moose Jaw, Prince Albert, Regina and Saskatoon. All programs are available on-site at each campus. Additional and evening courses are offered remotely via Zoom.

Adult 10

The Adult 10 program is an important step up the career ladder, whether you want to continue your education or move into the workforce. The program helps you:

- improve your communication, math, science and social science skills
- learn how to think critically and make information decisions; and
- explore personal growth and life-long learning in life/work studies.

Adult 12

The Adult 12 program provides adult learners the secondary credit courses required for entrance into universities and polytechnics. The Adult 12 credential is recognized by post-secondary institutions and employers.

A complete Adult 12 (secondary completion) consists of:

- English Language Arts A30
- English Language Arts B30
- One level 30 Canadian Studies course
- One level 20 or level 30 science
- One level 20 or level 30 mathematics
- Plus 2 electives at the 30 level (one credit may be granted for work experience)

Students who already have credits at the 20- or 30-level from other Saskatchewan schools can apply eligible credits toward their Adult 12 completion.

Credits earned outside Saskatchewan may also contribute toward Adult 12 completion.

Adult students are not required to have 10- or 20-level prerequisites before enrolling in 30-level classes, but the prerequisites are strongly recommended to ensure sufficient skill development for successful completion. CLB 8 is a pre-requisite.

Employment Readiness

- An employment readiness program helps you identify current skills and build new abilities through classroom and work placements. The focus is on employment skills evaluation and training, including resume and portfolio development, computer and job search skills and high demand employment certificates.
- You will enjoy one-on-one support and small group learning. We collaborate with local businesses and industries to give you learning and work placements. Canadian Language Benchmark level 6 (CLB 6) is a pre-requisite.

Information Sessions

We offer virtual and on-site information sessions throughout the academic year. Stop by to meet with advisors, get your questions answered and enrol in your intended program.

If you have questions about becoming a student we're here to help. To contact Literacy and Adult Education or to find out more information visit: Contact Literacy and Adult Education (saskpolytech.ca)

English Language Training

Language Instruction for Newcomers to Canada (LINC)

Free English language classes for permanent residents in Saskatchewan (Funded by Immigration, Refugees and Citizenship Canada):

- Only permanent residents can join our free LINC classes.
- Saskatchewan Polytechnic LINC offers CLB 5 to 8 classes only.

You will need an English placement test and referral from the Language Assessment and Referral Centre (LARC). Contact them to take a free Canadian Language Benchmark Placement Assessment (CLB-PA). This will determine your CLB (Canadian Language Benchmark) levels.

Are you a professional and need help tailoring your resume to get a similar job in Canada? Are you wondering what career would suit your goals, skills, and interests? Do you need job interview practice?

Our LINC student career strategist can help you with:

- Setting and assessing your career or job goals
- Resumes, cover letters, and job interview skills
- Understanding the 9 Essential Skills, Canada Job Bank, and National Occupation Classification (NOC)
- Creating connections to employers (when possible) and referring you to professional or educational services

These sessions can be completed online or in-person depending on demand and availability.

For more information on any of the programs through Literacy and Adult Education, refer to the website at Literacy and Adult Education (saskpolytech.ca)

Joseph A. Remai School of Construction

Architectural Technologies
Diploma

Location

- Moose Jaw

Start date

September

Duration

- 76 weeks
    - There are five academic semesters and three mandatory four-month paid Co-operative Education work terms. Semesters and co-op work term time patterns are listed in Courses below.

Admission requirements

Grade 12 with a minimum of 70% in Pre-Calculus 30* Physics 30
English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

Minimum combined average of 70% in Math A30, B30, and C30

Program overview

Architectural technologists are involved at every stage of building design and construction, from blueprints to building codes and from interior design to space planning. It's a great career for detail-oriented, visual thinkers who enjoy working in a technology-driven environment. You'll be able to work in residential, commercial and institutional design and construction.

Architectural Technologies is a three-year diploma offered full time at Saskatchewan Polytechnic Moose Jaw campus. It includes five academic semesters and three four-month Co-operative Education work terms. The program offers two areas of concentration: Building Sciences and Interior Design. The first three semesters are common to both areas. You'll focus on residential design and wood frame construction (National Building Code - Part 9), and build knowledge and skills in:

- properties and function of construction materials
- criteria and methods of building construction and design
- preparation of construction documents
- construction contract administration

In your fourth and fifth semesters, you'll focus in on your chosen area. In Building Science, you'll receive an introduction to commercial and institutional building construction with emphasis on construction detailing and methods, structural systems, environmental controls and the building envelope (National Building Code - Parts 3 and 4).

In Interior Design, you'll receive an introduction to commercial and institutional interior construction with an emphasis on interior finishes, detailing and methods, space planning, lighting design and material selection (National Building Code - Parts 3 and 4).

Your co-operative work term counts as courses. You pay tuition and receive credit, but you also get paid. It's a great way to gain valuable experience while earning a salary.

The Co-op Work Term Advantage

Co-operative work terms are paid, so you'll earn while you learn. Saskatchewan Polytechnic arranges your interviews; it's up to you to shine. It's also a chance to develop important "soft skills" in job interviewing, professional attitude, interpersonal communication and more.

Many of our co-op employers require both a valid Saskatchewan Driver's License and a clean Driver's Abstract. For international students, it can take up to 12 months to obtain a Driver's license; therefore, it is to your advantage to come with a Driver's License from your home country if possible.

Diploma to Degree

Use your Architectural Technologies diploma to ladder into the Bachelor of Construction Management or Bachelor of Applied Management right here at Saskatchewan Polytechnic. This diploma can also be used as a steppingstone to the Bachelor of Interior Design degree program at Yorkville University or the Bachelor of Technology degree program at Memorial University in Newfoundland.

Career Opportunities

Graduates are prepared for a variety of careers in the building design construction industry. Many graduates are self-employed consultants in the home building industry while others work for architects, engineers, interior designers, home designers, facility managers, developers, contractors or construction specialty companies.

Do you need help deciding if these careers could be a good fit for you? Contact Career Counselling Services.

Do you already know this is the program you want to take but need more detailed information or help applying? Connect with a Recruitment Advisor.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

CNST 122	Building Construction: Wood Frame Residential 1
CODE 100	Building Code: Part 9 Applications 1
DRFT 109	Architectural Drafting: Fundamental Techniques
DRFT 110	Architectural Drafting: Computer-Aided Techniques 1
DSGN 121	Design Studio: Fundamentals
MATH 115	Calculus for Architectural Technologies
MGMT 228	Management Principles
TCOM 102	Workplace Communication

Semester 2

ADMN 108	Contract Administration: Ethics, Law and Documents
ADMN 109	Contract Administration: Estimating
CNST 221	Building Construction: Residential Construction 2
CODE 101	Building Code: Part 9 Applications 2
DRFT 111	Architectural Drafting: Computer-Aided Techniques 2
DRFT 220	Architectural Drafting: Residential Working Drawings 1
DSGN 231	Design Studio: Residential
SFTY 129	Safety Awareness
STAT 200	Statistics for Technology
TCOM 103	Technical Communication

Co-operative Work Term 1

COOP 101	Co-operative Work Term

Semester 3

ADMN 211	Contract Administration: Construction Contracts and Regulations
ADMN 212	Contract Administration: Cost Management and Accounting
BLDG 220	Bldg Systems: Residential
CNST 222	Building Construction: Commercial Fundamentals
CODE 200	Building Code: Part 3 Applications 1
DRFT 224	Architectural Drafting: Residential Working Drawings 2
DSGN 232	Design Studio: Institutional
PHYS 228	Physics: Light, Heat and Sound

Co-operative Work Term 2

COOP 201	Co-operative Work Term

Semester 4 (Building Sciences)

BLDG 222	Building Systems: Building Science
CNST 232	Building Construction: Commercial Buildings 1
CODE 201	Building Code: Part 3 Applications 2
HIST 221	Architectural History: Context for Saskatchewan
PHYS 227	Physics: Statics and Strength of Materials
RENO 220	Architectural Drafting: Renovation Working Drawings
SRVY 228	Surveying: Introduction to Survey and Building Layout

Semester 4 (Interior Design)

CNST 233	Building Construction: Commercial Interiors
CODE 201	Building Code: Part 3 Applications 2
DSGN 234	Design Studio: Commercial Mixed Occupancy 1
HIST 221	Architectural History: Context for Saskatchewan
PHYS 227	Physics: Statics and Strength of Materials
RENO 222	Design Studio: Commercial Adaptive Re-use
SRVY 228	Surveying: Introduction to Survey and Building Layout

Co-operative Work Term 3

COOP 301	Co-operative Work Term

Semester 5 (Building Sciences)

ADMN 258	Project Management and Estimating
BLDG 301	Building Systems: Commercial
BLDG 302	Building Construction: High-Performance Building Enclosures
CNST 224	Building Construction: Commercial Buildings 2
CODE 300	Building Code: Part 3 Applications 3
DRFT 233	Architectural Drafting: Commercial Working Drawings for Building Sciences
PROJ 228	Applied Research: Capstone Project

Semester 5 (Interior Design)

ADMN 258	Project Management and Estimating
BLDG 301	Building Systems: Commercial
CNST 234	Building Construction: Design Build Project
CODE 300	Building Code: Part 3 Applications 3
DRFT 234	Architectural Drafting: Commercial Working Drawings for Interiors
DSGN 235	Design Studio: Commercial Mixed Occupancy 2
PROJ 228	Applied Research: Capstone Project

Bachelor of Construction Management Degree

Location

- Regina

Start date

September

- The current class schedule allows you to learn while you earn. All classes are offered in the afternoon, typically starting at 5 p.m.

Duration

- 76 weeks

Admission requirements

- Completion of one of the following recognized qualifying diploma and degree programs **:
- Architectural Technologies (Building Sciences or Interior Design)
- Design and Manufacturing Engineering Technology (formerly CAD/CAM Engineering Technology) *
- Civil Engineering Technologies (Civil Construction or Water Resources)
- Electrical Engineering Technology *
- Engineering Design and Drafting Technology
- Environmental Engineering Technology
- Geomatics and Surveying Engineering Technology
- Mechanical Engineering Technology *
- Mining Engineering Technology *
- Effective July 2022: Mining Engineering Technology (additional courses not required)

Effective July 2022:

Design and Manufacturing Engineering Technology (formerly CAD/CAM Engineering Technology), Electrical Engineering Technology, and Mechanical Engineering Technology graduates are required to complete a surveying course such as SRVY 228 or equivalent in order to be eligible to graduate.

In addition, graduates from recognized engineering, urban planning or architecture degree programs will be accepted. Degree graduates who did not complete a surveying course will be required to complete SRVY 228 or equivalent to be eligible to graduate.

- Or Completion of Journeyperson Carpentry Red Seal - Carpentry Red Seal candidates are required to complete the following Saskatchewan Polytechnic or equivalent courses: TCOM 103, ADMN 108, ADMN 211, ADMN 212 and either ADMN 258 or MKTG 228 (MGMT 214) prior to acceptance into the program.
- English Language Requirement

* The indicated programs require that students complete additional courses in order to be eligible to graduate** In addition, graduates from recognized accredited engineering, urban planning or architecture degree programs will be accepted for admission

Note:

Any qualified applicants who do not have the required admission credits identified will be provided with a bridging plan to acquire the needed credits.

Saskatchewan Polytechnic procedures for general Admission Requirements, Special Admission, and Admission Processes are available on the institutional website.

Effective July 2022: For Red Seal Carpentry applicants, it is strongly recommended that candidates complete MAT 120 prior to entering the program.

The program head will evaluate the applicant's academic credentials for their eligibility for Special Admission. This evaluation will be done at the discretion of the program head within Saskatchewan Polytechnic credit and PLAR procedures. International students can also be considered under this review process.

Program overview

The Bachelor of Construction Management (BCM) degree program is unique in Saskatchewan offering students the opportunity to earn an after-diploma baccalaureate degree with an additional two years of study. The program was developed in response to industry need and global trends for trained professionals in the construction industry. The BCM program combines practical multi-faceted skills with theoretical knowledge and technical training, truly a practitioner's degree.

Sask Polytech is proud of its reputation of providing industry with 'career ready' graduates, and this degree is no exception while providing a unique, direct and relevant path for students to earn a degree in this increasingly important area. The curriculum encompasses a comprehensive spectrum of construction management topics including:

- scheduling
- estimating
- safety
- contract law
- cost control

- tendering
- project management

During Year 4 of the BCM, students will participate in an industry-supported capstone project.

This program is offered with the written authorization of the Minister of Advanced Education, effective July 1, 2017. This authorization was provided after the program proposal underwent a quality assurance review and was found to meet the standards established by the Minister. Prospective students are responsible for satisfying themselves that the program and degree will be appropriate to their needs.

The Work Integrated Learning Advantage

The work integrated learning (WIL) work term may be paid, so you'll earn while you learn. Saskatchewan Polytechnic arranges your interviews; it's up to you to shine. It's also a chance to develop important skills in job interviewing, professional attitude, interpersonal communication and more.

Many of our WIL employers require both a valid Saskatchewan Driver's License and a clean driver's abstract. For international students, it can take up to 12 months to obtain a driver's license; therefore, it is to your advantage to come with a driver's license from your home country if possible.

Career Opportunities

Graduates will be prepared for leadership roles in the growing heavy industrial, commercial, engineering, and construction industries. They will be actively engaged in managing the safe, timely and cost effective delivery of a broad range of projects in industries like construction, oil and gas, engineering, design, research and development, and entrepreneurship. Career opportunities could include roles such as assistant construction manager, assistant project manager, project document controller, junior contract administrator, assistant facilities manager, project coordinator, and construction inspector.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 3 - Semester 5

ADMN 303	Organizational Behaviour
ENGL 100	Critical Reading and Writing
LAW 300	Construction Law

Semester 5 Electives (1 of 2)

ANLT 300	Applied Critical Thinking and Logic
BCOM 300	Professional Writing and Presentations
COMM 301	Managerial Communications
STAT 300	Statistics and Risk Analysis

Year 3 - Semester 6

ADMN 302	Construction Accounting and Finance
BLDG 300	Building Fundamentals in Construction Management
ETHC 300	Professional Ethics and Sustainable Development
SOCI 300	Culture and Diversity in Canadian Society

Select 1 of 2 (1 of 2)

CDNS 300	Canadian Government
LEAD 302	Leadership Fundamentals

Work Term One

WORK 302	Work-Integrated Learning

Year 4 - Semester 7

ECON 400	Micro and Macro Economics
ESTM 400	Construction Cost Estimating and Procurement
HR 300	Human Resource Management
MGMT 400	Construction Contracts and Documents
PLAN 400	Construction Planning and Scheduling

Year 4 - Semester 8

BUS 400	Construction Business Strategies: Trends and Issues
MGMT 403	Construction Project Management
PROJ 400	Capstone Project
SFTY 405	Construction Safety and Site Management

Bricklayer

Applied Certificate

Location

- Delivery is subject to needs assessment.

Start date

- Varies

For more information contact programinnovation@saskpolytech.ca or call 306-659-4358.

Duration

- 18 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

As a student in the Bricklayer Applied Certificate program, you will develop the required knowledge and skills to work in residential and commercial construction.

Career Opportunities

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

BPRT 102	Construction Documents
EQPT 111	Tools, Equipment, and Masonry Materials
INDG 100	Introduction to Indigenous Studies
JOBS 125	Essential Job Skills
MATH 112	Trade Math
MSON 100	Mortars, Grouts and Adhesives
MSON 107	Layout and Fundamental Tasks
MSON 108	Building Enclosure and Substrate Preparation
MSON 109	Masonry Systems 1 (Theory)
MSON 110	Masonry Systems 1 (Shop)
SCAF 105	Scaffolding and Power Mobile Equipment
SFTY 129	Safety Awareness
SHOP 107	Shop Projects
WORK 112	Work Placement

Carpentry
Applied Certificate

Location

- Moose Jaw
- Saskatoon

Start date

Moose Jaw: October 16, 2023 - March 8, 2024
Saskatoon: January 2 - May 10, 2024

Duration

- 18 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

As a student in the Carpentry Applied Certificate program, you will receive basic knowledge and develop skills required to work in the residential, commercial construction and related industries.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Career Opportunities

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

BPRT 127	Construction Documents
CNST 126	Site Layout
CONC 122	Concrete
EQPT 126	Tools
FNDT 120	Foundations
FRMG 127	Introduction to Floor Framing
FRMG 128	Introduction to Wall Framing
FRMG 250	Roof Trusses
INDG 100	Introduction to Indigenous Studies
JOBS 125	Essential Job Skills
MATE 126	Building Materials
MATH 127	Trade Math
PROJ 122	Projects
SCAF 120	Scaffolds and Rigging
SFTY 129	Safety Awareness
WORK 125	Work Placement

Carpentry
Certificate

Location

- Moose Jaw
- Prince Albert

Joseph A. Remai School of Construction

Start date

- September (Moose Jaw and Prince Albert)

Duration

- 32 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

Note: The Moose Jaw Campus winter intake (January) is deferred until winter 2023/24 (January 2024). The program remains open for our fall intakes (Moose Jaw and Prince Albert).

Saskatchewan Polytechnic's Carpentry certificate program will get you started in the largest trade in the construction industry. You'll need good problem-solving skills, a solid work ethic and the ability to work on your own or as part of a team.

When you graduate, you'll be qualified for jobs with construction companies, general contractors and subcontractors, or in the maintenance departments of school boards, health districts, mining operations and government departments.

Carpentry is a 32-week certificate program offered at Saskatchewan Polytechnic Moose Jaw campus and Saskatchewan Polytechnic Prince Albert campus. You'll get the basic training you need to get a job in the trade by building practical knowledge and skills in:

- tools and equipment
- construction documents and quantity survey
- site layout and concrete
- footings and foundations
- framing and building envelope
- exterior finishing and roof coverings
- interior finishing and cabinets
- materials and scaffolds
- trade math and communications

Learn by Building

Most of your time is spent in Saskatchewan Polytechnic's well-equipped Carpentry shops where you will be able to polish your skills on the many shop projects we have to offer. There is also a two-week work term at the end of the program which often results in full-time employment.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

When you graduate, you'll have the skills you need to work in a wide range of construction jobs. Look for work with general contractors, interior/exterior subcontractors and framing contractors. There are jobs in homebuilding and renovations, commercial construction, at industrial mining and manufacturing facilities, and with health, education, municipal and government departments. Get your journeyperson's ticket and you could move into supervisory, management, sales and teaching positions.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

BPRT 127	Construction Documents
CNST 126	Site Layout
CONC 122	Concrete
EQPT 126	Tools
FNDT 120	Foundations
FRMG 126	Floor Framing
FRMG 221	Wall Systems
MATE 126	Building Materials
MATH 127	Trade Math
PROJ 122	Projects
SFTY 129	Safety Awareness

Semester 2

BPRT 222	Construction Documents
CNST 127	Transits
EXFN 220	Exterior Finishes and Accessories
EXFN 221	Exterior Windows and Doors
FRMG 222	Roof Framing
INDG 100	Introduction to Indigenous Studies
INFN 320	Interior Finishes
INFN 321	Wall Cabinets

INSL 220	Building Envelope
JOBS 125	Essential Job Skills
ROOF 220	Roof Coverings
SCAF 120	Scaffolds and Rigging
STRS 120	Wood Stairs
WORK 125	Work Placement

Electrician

Applied Certificate

Location

- Prince Albert
- Regina
- Saskatoon

Start date

August 21 - December 15, 2023

February 19 - June 14, 2024

Duration

- 17 weeks

Admission requirements

- Grade 11 with Foundations of Mathematics 20 or Workplace and Apprenticeship Mathematics 20 or Pre-Calculus 20*
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

- Math 20
- General Math 30

Program overview

Note: The fall 2023 intake for the Prince Albert campus is cancelled.

Want to jump into the construction workforce? Check out the Electrician applied certificate program. At just 17 weeks long, it provides the basic knowledge and skills you need for an entry level job.

Instructors with actual industry experience will help you learn how to install, test, replace and repair lighting fixtures, wiring and electrical equipment. You'll get lots of hands-on practice using standard tools of the trade. You'll also learn how to read and interpret construction drawings.

Electrician is a skilled trade. Having an applied certificate will get you noticed by employers and put you on the fast track to having a career as an electrician. The more education and experience you get, the higher you can climb on the wage-earning ladder. A fourth-year journeyperson electrician can earn double the hourly wage of a first-year electrician apprentice.

The Electrician applied certificate program is delivered at Sask Polytech campuses in Regina and Saskatoon. It is also available off campus through Continuing Education and regional colleges.

For more information, please email ConEd@saskpolytech.ca or call 306-659-4418.

Apprenticeship Credit

Applied certificate programs can give you a head-start on apprenticeship. To learn how to apply your academic credit toward Level 1 of the Construction Electrician apprenticeship program, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

When you graduate from the Electrician applied certificate, look for entry level jobs with electrical contractors in the construction industry, both commercial and residential. Or look for opportunities with energy, mining or manufacturing companies, or with retail and wholesale outlets.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

BT 100	Introductory Electrical Theory and Practices
BT 141	Resistive Circuit Analysis
BWC 121	Conductors and Branch Circuits
BWC 122	Extra Low Voltage, Magnetism and Meters
INDG 100	Introduction to Indigenous Studies
JOBS 125	Essential Job Skills

PLS 122	Single Dwelling Plans, Lighting and Services
SFTY 130	Safety and Personal Protective Equipment
TOOL 149	Tools and Fasteners
WM 131	Wiring Methods (Cables)
WM 132	Wiring Methods (Raceways)

Plumbing and Pipefitting

Applied Certificate

Location

- Regina
- Saskatoon

Start date

- August 28 - December 15, 2023
- January 8 - April 26, 2024

Duration

- 16 weeks

Admission requirements

- Grade 11
- English Language Requirement

Program overview

Fast track your career in the skilled trades with Sask Polytech's 16-week applied certificate program. Plumbers install, replace and maintain water and sewage systems in residential, commercial and industrial buildings. Many are also licensed gas fitters.

The Plumbing and Pipefitting program provides the knowledge and skills you need for an entry level job. Your learning is practical and hands-on – and includes a two-week job placement that lets you test your skills in the real world.

Plumbing is a skilled trade. The more education and experience you get, the higher you can climb on the wage-earning ladder. A fourth-year journeyperson plumber can earn double the hourly wage of a first-year plumbing apprentice.

The Plumbing and Pipefitting applied certificate program is delivered at Sask Polytech campuses in Regina and Saskatoon. It is also available off campus through Continuing Education and regional colleges.

For more information, email ConEd@saskpolytech.ca or call 306-659-4418.

Apprenticeship Credit

Applied certificate programs can give you a head-start on apprenticeship. To learn how to apply academic credit toward Level 1 of the Plumber apprenticeship program, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

Successful completion of the Plumbing and Pipefitting applied certificate can open the door to entry level jobs with plumbing contractors and construction companies, as well as with maintenance departments in power, mining or manufacturing companies.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx or more information on transfer credit.

Courses

DRAW 101	Blueprint Reading
INDG 100	Introduction to Indigenous Studies
JOBS 125	Essential Job Skills
MATH 112	Trade Math
PIPE 102	Pipe Fabrication Theory
PIPE 103	Pipe Fabrication Shop
PLMB 102	Codebook Theory
PLMB 103	Gasfitting Theory
PLMB 104	Gasfitting Shop
PROJ 118	In-House Projects
SFTY 139	Trade Related Safety
TOOL 118	Basic Tools and Materials Theory
TOOL 119	Basic Tools and Materials Shop
WLDR 135	Welding
WORK 105	Work Experience

Refrigeration and Air Conditioning
Certificate

Location

- Saskatoon

Start date

- September

Duration

- 32 weeks

Admission requirements

- Grade 12 with any 30 level mathematics*
- Minimum overall average of 60%
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

- a 30-level math (no change for this program)

Program overview

There is steady demand for refrigeration and HVAC (Heating, Ventilation, Air Conditioning) specialists—in commercial, industrial and institutional settings. It is an apprenticeship trade, so you'll find a clear path to a journeyperson's ticket and excellent earning potential.

The job itself has a mechanical focus. You install, maintain and repair refrigeration and cooling systems. But it also involves problem-solving skills, basic math skills, the ability to read and interpret specifications, and the ability to work with power tools and sophisticated technology.

The one-year Refrigeration and Air Conditioning certificate program is offered in Saskatoon. Experienced instructors help you develop the knowledge and skills you need to install, operate and service commercial and industrial refrigeration and HVAC equipment. Your training includes:

- basic refrigeration systems, cycles and components
- system installation
- electrical control systems
- graphics, math, hand tools
- mechanical and electrical skills
- refrigerants and refrigeration load calculation
- safety
- system design, installation, operation
- test and repair system components

Hands-on Training

You'll spend as much time getting "hands-on" experience in the shop as you do in the classroom. You'll also participate in a work experience.

The Day-to-Day Job

Having a natural aptitude for mechanical and electrical equipment or systems is an asset; good problem-solving and customer service skills are a must.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

Our graduates are working in installation, service and sales. You could get a job with a refrigeration or air conditioning installation contractor, mine or mill site, manufacturing facility, food wholesaler, engineering firm, retail firm or service company.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

COMM 127	Fundamental Communication Skills
ELEC 138	Basic Electricity 1
MATH 199	Mathematics
METL 181	Soldering and Brazing
PIPE 182	Basic Piping Techniques
RFRG 106	Accessories, Head Pressure Control and Refrigerants
RFRG 107	Fundamentals of Refrigeration

RFRG 184	Basic Refrigeration System Components and Capacity Control
RFRG 191	Basic System Installation
TOOL 188	Basic Hand Tools
WLDR 179	Welding

Semester 2

ELEC 139	Basic Electricity 2
GRPH 181	Graphics
HVAC 102	HVAC Basics
INDG 100	Introduction to Indigenous Studies
RFRG 108	Electrical
RFRG 109	Motors and Defrost Systems
RFRG 192	System Design and Operation
RFRG 193	System Design and Installation
SAFE 114	Safety and Electrical Control Systems
WORK 114	Work Experience

Stucco Applicator

Applied Certificate

Location

- Delivery is subject to needs assessment.

Start date

- Varies

For more information, email ConEd@saskpolytech.ca or call 306-659-4418.

Duration

- 10 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

Note: Delivery of this program is suspended for the 2023-2024 academic year.

As a student in the Stucco Applicator Applied Certificate program, you will learn how to select, mix and apply stucco to exterior walls to produce plain or decorative surfaces.

This program is delivered on campus through continuing education and off campus through regional college locations.

Career Opportunities

Stucco applicators are typically employed by exterior building products companies and stucco contractors.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

EQPT 112	Tools
MATE 103	Materials
MATH 159	Trade Mathematics
SCAF 120	Scaffolds and Rigging
SFTY 129	Safety Awareness
STUC 100	Stucco Application
STUC 101	Stucco Preparation
WORK 115	Work Experience

School of Business

Accounting
Certificate

Location

Start date

- Varies - Continuing Education

Duration

- 12 courses

Admission requirements

- Grade 12

Note: You do not apply or have admission requirements assessed for this program. You take courses through Continuing Education. Once you have successfully completed all the courses in the program, simply apply to graduate.

Program overview

Practical training in accounting can be a tremendous asset, whether you want to broaden your career options, meet changing job requirements or start your own business. It helps to have a good head for numbers, but the real key to success in the field is attention to detail and accuracy.

You'll receive practical training in:

- Accounts receivable and accounts payable;
- Accounting for partnerships, shareholder equity, pension plans;
- Accounting software and information systems;
- Bookkeeping;
- Fundamentals of auditing, finance and taxation; and
- Payroll

You'll develop a solid foundation in basic accounting theory, but the focus is on practical application. At Saskatchewan Polytechnic, hands-on exercises and projects help you translate knowledge into skills.

Program Advantages

All 13 courses are available through a combination of distance education and night classes in Regina and Saskatoon.

Courses align with professional accounting designation requirements. You can pursue professional designations to build your earning potential.

Career Opportunities

The Accounting certificate qualifies you for entry-level jobs such as accounts payable/accounts receivable clerk, bookkeeper and payroll clerk. If you're already working, adding accounting skills to your resume opens doors to other jobs and promotions. You can also put the practical skills to work in your own business.

Every organization needs individuals with accounting skills. Jobs are available in health care, education, hospitality, non-profit, transportation, finance, manufacturing, natural resources, construction, government and more.

Do you need help deciding if these careers could be a good fit for you? Contact Career Counselling Services.

Do you already know this is the program you want to take but need more detailed information or help applying? Connect with a Recruitment Advisor.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

ACCT 122	Introductory Financial Accounting 1
ACCT 125	Introductory Financial Accounting 2
ACCT 215	Intermediate Financial Accounting 1
ACCT 216	Intermediate Financial Accounting 2
ACCT 217	Intermediate Financial Accounting 3
ACCT 218	Intermediate Financial Accounting 4
ACCT 219	Management Information Systems
ACCT 226	Cost Accounting 1
ACCT 227	Cost Accounting 2
ADTG 220	Auditing
FIN 220	Finance
TAX 201	Taxation 1
TAX 202	Taxation 2

Note: Students who completed ACCT 236 (Accounting Information Systems) before June 30, 2021, do not need to complete ACCT 219 (Management Information Systems). These are not equivalent courses; however, ACCT 236 will be accepted in place of ACCT 219.

Applied Project Management

Applied Certificate

Location

- Online/Distance

Start date

Online courses start in September, January and April

Duration

- 14 weeks

Admission requirements

- Open Access

Note: The School of Business recommends that students have basic computer literacy or Windows File Management.

Program overview

Are you looking for effective project management skills so that you can complete projects on time and on budget? This online program will provide you with practical and professional skills in all aspects of project management. Participants in this program often work as project managers, supervisors, or project coordinators and have project work experience that puts the learning into context - no matter what industry they work in.

Sask Polytech is pleased to partner with the Applied Management Centre to bring you the applied Project Management program. As a Registered Education Provider with the Project Management Institute (PMI®), the largest international professional association for project managers, this program provides the necessary training to apply for the PMP® or CAPM® credentials with PMI®.

This program is worth 25 Gold Seal credits towards Gold Seal Certification with the Canadian Construction Association.

Program Details

The program is offered three times per year, starting in September, January and April. It is composed of six courses of varying lengths, which are taken over a 14-week period, although students have the option of completing it over several terms to a maximum of two years. The courses are designed to be taken in sequence to give you the opportunity to progressively work through the entire life cycle of a project - from initiation to closeout. The program finishes with a practical integration project. This final project provides an opportunity to demonstrate competency by consolidating the skills developed throughout the program. Students choose their own projects to complete the 12 required assignments. For more information, please download our Program Information Sheet (pdf).

Learn Online

You can access the online courses any time of day. There is no requirement to be online at a specific time, but you must follow the weekly pace. Each module begins on a Saturday and ends the following Thursday. During this time, participants should expect to spend approximately 15 hours per week on coursework and assignments.

The online courses use a wide variety of tools, such as discussion forums, blogs, email, group activities and online videos to increase interactivity between the participants. There is also collaboration with the instructor by email, phone and screen sharing.

Anyone can learn online, but online learning requires different skills than learning in a classroom. It's important to know what to expect, to understand how to succeed in online learning, and to identify any barriers that may hinder your learning in an online environment.

Is this Program Right for You?

Complete this questionnaire and watch this video to help you identify if learning project management online is appropriate for you at this time.

Instructors

All instructors have their Project Management Professional (PMP)® credential and many years' experience working as project managers and teaching project management.

Funding Options Canada-Saskatchewan Job Grant

This program is eligible for the Canada-Saskatchewan Job Grant which provides employers with training funds for their employees. To find out more call 306-775-7939 or visit www.saskatchewan.ca/job-grant

Re-Skill Saskatchewan Training Subsidy

This subsidy is available to qualified employers and provides a 100% subsidy. To find out more visit https://www.saskatchewan.ca/business/hire-train-and-manage-employees/re-skill-saskatchewan-training-subsidy

Information Sessions

Information sessions on the Applied Project Management program are held quarterly.

The next session will be held online on Tuesday, August 22 from 6:30-8 p.m. CST. To attend this session, please email Rakeshkumar Patel at rakeshkumar.patel@saskpolytech.ca Those who attend this information session are entered to win a new Apple iPad. The winner is announced during the session.

Credential

Upon successfully completing all courses in the program, you will be eligible to graduate and receive the Applied Certificate in Applied Project Management. Complete the application to graduate (pdf) and submit the form and fee to Enrolment Services.

Career Opportunities

Often as an applied project manager, you work in regulated indoor office environments, but you could visit work sites depending on the industry you are employed in.

The physical skills required depend on the type of project being managed. For example, if you are managing a construction project, you may need to climb ladders and would require the physical ability to do so.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

PROJ 110	Project Initiation and Charter Development
PROJ 111	Project Planning, Scheduling & Budgeting
PROJ 112	Project Execution and Control
PROJ 113	Project Leadership & Communications
PROJ 114	Project Closing & Continuous Improvement
PROJ 115	Applied Project Management Integration and Evaluation

Bachelor of Applied Management Degree

Location

- Regina

Start date

Semester 4 (for journeypersons or certificate applicants) - Fall or Winter Degree Program - Fall

Duration

- Semester 4 Courses - 16 weeks (maximum) BAMgt Degree Completion - 64 to 80 weeks (based on whether Semester 4 (Bridging) courses are required)

Admission requirements

- Completion of a Saskatchewan Polytechnic two-year non-business diploma or equivalent from a recognized post-secondary institution, with a minimum of 60 credits overall and a 60% grade point average or higher, or
- Completion of a Saskatchewan Polytechnic non-business certificate (more than 41 credits) or equivalent with a minimum grade point average of 60% and 15 non-business credits from a recognized post-secondary educational institution, or
- Completion of a three-, four-, or five-year journeyperson certificate qualification in Saskatchewan, designated by the Saskatchewan Apprenticeship and Trade Certification Commission or interprovincial equivalent, or
- Completion of a two-year journeyperson certificate qualification in Saskatchewan, designated by the Saskatchewan Apprenticeship and Trade Certification Commission or interprovincial equivalent and 15 credits from a recognized post-secondary educational institution.
- English Language Requirement

Notes:

Based on admittance, some students may need to start with Semester 4 courses. Semester 4 courses are for applicants with a journeyperson designation or applicants with less than 60 credit units overall. All other admitted students will start in Semester 5.

Semester 4 Courses:

ACCT 201 Accounting COAP 201 Information Systems COM 200 Business Communications MATH 204 Business Mathematics MGMT 213 Introduction to Management

Semester 4 equivalencies are available through Continuing Education in the Fall and Winter semesters. Contact the program head for more information.

- Applicants who completed a non-business certificate (more than 41 credit units) and 15 non-business credit units from a recognized post-secondary institution must complete all five (5) Semester 4 courses.
- Two- or three-year journeypersons must complete all five (5) Semester 4 courses.
- Four-or five-year journeypersons must complete COM 200 plus one (1) additional Semester 4 course.
- Saskatchewan Polytechnic Business diploma graduates (and its predecessor programs) are not eligible for this program. Business programs from other post-secondary institutions are also not eligible.

Program overview

Four out of ten people in management in Saskatchewan are over the age of 55. This means there will be a significant number of

retirements on the horizon which is an opportunity for those with the right combination of skills, experience and education.

The Bachelor of Applied Management (BAMgt) provides journeypersons and non-business diploma and certificate graduates with the ability to leverage their existing education and experience into a bachelor's degree with only the equivalent of two years of additional study, which can be completed either full or part-time.

You will build knowledge and skills in a wide range of leadership and management disciplines including accountancy, human resource management, business communications, strategic management, leadership development, business analytics, finance, change management, risk management, commercial law, and economics.

Classes are offered both in-person and via Zoom in the evenings and there are options each semester for courses which are offered exclusively online. This program flexibility means that students can work full-time while they complete their degree. Domestic students can attend from anywhere in Canada with a computer, webcam, and a stable internet connection, allowing them the additional flexibility of distance learning.

For more information, please contact: Shannon Kotylak, program head at shannon.kotylak@saskpolytech.ca

Career Opportunities

As a BAMgt graduate, you will be prepared for success in management and leadership roles in a variety of sectors including health care, construction, utilities, information technology, automotive services, agriculture, mining, manufacturing, restaurant and food, recreation and tourism, early childhood education, and more. Whichever sector you choose, this unique combination of education and experience will position you for career advancement in management and leadership roles.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 3 - Semester 5

ACCT 300	Accounting for Managers
ADMN 303	Organizational Behaviour
BCOM 300	Professional Writing and Presentations
LEAD 302	Leadership Fundamentals
MKTG 300	Marketing

Year 3 - Semester 6

ECON 400	Micro and Macro Economics
HR 300	Human Resource Management
LAW 301	Law and Ethics
LEAD 303	Contemporary Leadership

Semester 6 Electives (1 of 5)

ANLT 302	Analytical Decision Making
BUS 300	Business and Society
CDNS 300	Canadian Government
COMM 301	Managerial Communications
LEAD 400	Effective Leadership

Year 4 - Semester 7

ANLT 400	Business Analytics
COM 400	Building a Digital Communication Strategy
FIN 400	Finance
MGMT 407	Cross-Cultural Management

Semester 7 Electives (1 of 5)

ANLT 302	Analytical Decision Making
BUS 300	Business and Society
CDNS 300	Canadian Government
COMM 301	Managerial Communications
LEAD 400	Effective Leadership

Year 4 - Semester 8

ADMN 400	Entrepreneurship
MGMT 404	Managing Change
MGMT 405	Strategic Business Management
MGMT 406	Risk Management
PROJ 403	Leading Projects

2 Courses Required (2 of 4)

ANLT 302	Analytical Decision Making
BUS 300	Business and Society
CDNS 300	Canadian Government
COMM 301	Managerial Communications

Business
Certificate

Location

- Online/Distance
- Moose Jaw
- Saskatoon

Start date

September: Saskatoon (full-time)

- Note: The Business certificate is also the first year of the Business Diploma. Full-time students in Saskatoon interested in the Business diploma apply to the Business certificate program. After completing the required prerequisites, they apply to the diploma program.

September: Prince Albert (full-time; apply to the Business diploma; Management specialty option only)

September: Moose Jaw (full-time; apply to the Business diploma)

January: Moose Jaw (full-time; apply to the Business diploma)

- Note: Students starting the program in January will complete the program in an accelerated format. Students will study semesters 1 and 2 consecutively from January to July.

Duration

- 32 weeks (full-time); 11 courses

Admission requirements

- If you take courses through Flexible Learning, you are not required to apply for admission or meet the requirements. Once you have successfully completed all the courses in the program, simply apply to graduate
- Effective beginning 2020/2021 Year 1 (Business Certificate): Grade 12 or successful completion of at least 15 credit units, from this Business certificate program or the Business diploma (year 1) program
- Effective beginning 2020/2021 Year 2 (Business Diploma): Grade 12 or successful completion of at least 15 credit units, from this program (Year 1 - Business Certificate)
- English Language Requirement
- Computer experience using a Windows application is recommended

Program overview

Saskatchewan Polytechnic's one-year Business certificate program provides a solid foundation of the major business concepts and principles for careers in accounting, marketing, management, human resources, insurance, finance and entrepreneurship.

Benefits of the Saskatchewan Polytechnic Business certificate include:

- Focus on applied learning = skills required by employers
- More instructional time = increased student success
- Average class size of 25 students = personalized, collaborative, interactive learning
- Ability to ladder learning:
    - Into year two of the Business diploma (and access to co-op work terms)
    - The certificate and diploma programs are fully transferable to the University of Saskatchewan, University of Regina and other post-secondary institutions.

Business encompasses many disciplines. The Business certificate program prepares you for a wide variety of entry-level positions. It is offered full-time in Saskatoon. Flexible learning options are available through the School of Continuing Education.

Full-time students in Saskatoon apply to the Business certificate program before entering the Business diploma program. 1 Year to a Diploma

The Business certificate program is equivalent to the first year of the diploma program. You have the option of taking one more year to earn a specialized Business diploma in accountancy, financial services, human resources, insurance, management or marketing.

You can apply to transfer your Business courses to degree programs at various universities. See the get credit for what you know section below.

Part-time Business certificate students

- If you wish to pursue the Business Accountancy specialty diploma, you must take ACCT 125 in order to meet pre-requisites for most second year Accountancy courses
- If you wish to pursue the Business Accountancy specialty diploma, you must take ACCT 136 in order to graduate

Career Opportunities

A Saskatchewan Polytechnic Business certificate opens many doors. Explore entry-level opportunities in banking, retail, real estate, human resources, insurance, marketing and more. Work for a small business, large corporation, government department or non-profit organization. Start your own business or take the family business to the next level. Entry-level positions include management trainees, administrative assistants, financial officers and sales representatives.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

ACCT 122	Introductory Financial Accounting 1
ADMN 220	Organizational Behaviour
BCOM 105	Business Communications
BUS 104	Introduction to Business
COMP 120	Business Solution Software
ECON 120	Microeconomics

Semester 2

HR 120	Introduction to Human Resource Management
LAW 220	Commercial Law
MATH 139	Business Mathematics
MKTG 120	Marketing

Semester 2 Electives (1 of 2)

ACCT 125	Introductory Financial Accounting 2
ACCT 225	Managerial Accounting

Semester 2 Electives (1 of 4)

ACCT 136	Automated Accounting
FIN 100	Personal Finance

INS 100	Principles and Practices of Insurance
MGMT 108	Introduction to Sport Management

Note: Students who wish to pursue the Business Accountancy specialty diploma must take ACCT 125 in order to meet pre-requisites for most second year Accountancy courses Students who wish to pursue the Business Accountancy specialty diploma must take ACCT 136 in order to graduate

Business Accountancy

Post-Graduate Certificate

Location

- Moose Jaw

Start date

September

Duration

- 40 weeks

Admission requirements

- A conferred bachelor's degree in any discipline from a recognized post-secondary institution
- English Language Requirement

Program overview

This post-graduate certificate program is designed to help students prepare for the Chartered Professional Accountants (CPA) designation. The program was developed from the CPA competency map that provides graduates with the opportunity to fill current and ongoing demand for accountants. You can apply to use your post-graduate certificate credits for standing toward the Chartered Professional Accountant (CPA) designation.

The Business Accountancy post-graduate certificate program is offered through the School of Business and takes place over three semesters at the Moose Jaw Campus.

Students will gain a deeper understanding of:

- accounting practices and principles
- accounting management
- taxation
- commercial law as it relates to finances and accounting

You'll develop the skills required to earn your CPA designation and grow your accounting career.

Career Opportunities

This program helps those with degrees develop their skills and grow their knowledge in order to acquire the CPA designation. This program will help students contribute to the growing economy of many countries around the world.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

ACCT 600	Introductory Financial Accounting 1
ACCT 601	Introductory Financial Accounting 2
BCOM 600	Business Communications
LAW 600	Commercial Law
STAT 600	Business Statistics

Semester 2

ACCT 602	Intermediate Accounting 1
ACCT 604	Cost Accounting 1
ADTG 600	Auditing
FIN 600	Finance
TAX 600	Taxation 1

Semester 3

ACCT 603	Intermediate Accounting 2
TAX 601	Taxation 2

Business Diploma

Diploma

Location

- Online/Distance
- Moose Jaw
- Prince Albert
- Saskatoon

Start date

- Note: Students starting the program in January will complete the program in an accelerated format. Students will study semesters 1 and 2 consecutively from January to July and begin their second year in September of the same year.

September and January - Moose Jaw (all specialties, except Municipal Administration)

September and January - Prince Albert (Management specialty option only)

- Students may transfer after Year One (32 weeks) to Moose Jaw (all specialties) or Saskatoon (Accountancy) to pursue a Business Diploma with Co-operative Education. International students selecting the Accountancy specialty after Year One must transfer to Moose Jaw. Co-operative Education is available as an option for Prince Albert Management students as well.

September - Saskatoon (Accountancy and Marketing specialties - delivered via live streaming)

Full-Time students in Saskatoon follow this two-step process:

- Step 1: Apply to the full-time Business Certificate program (Year One: 32 weeks). After completing the required courses, move to Step 2; Step 2: Apply to the second year specialty option in the Business Diploma program (through Moose Jaw or Prince Albert) (Year Two: 32 weeks)

Duration

- Year 1 - 32 weeks; Year 2 - 32 weeks

Admission requirements

- If you take courses through Flexible Learning, you are not required to apply for admission or meet the requirements. Once you have successfully completed all the courses in the program, simply apply to graduate
- Year 1 (Business Certificate): Grade 12 or successful completion of at least 15 credit units, from this Business certificate program or the Business diploma (year 1) program
- Year 2 (Business Diploma): Grade 12 or successful completion of at least 15 credit units, from this program (Year 1 - Business Certificate)
- English Language Requirement
- Computer experience using a Windows application is recommended

Program overview

All core program students beginning or applying to the program after July 2021 will be required to complete Introduction to Business (BUS 104) with the exception of the following:

Core program students who completed Year One of the Business Diploma program through the School of Continuing Education (Saskatchewan Polytechnic), Saskatchewan regional colleges, Saskatoon Campus or Prince Albert Campus are exempted from completing BUS 104 – Introduction to Business provided they apply to graduate on or before June 30, 2022.

Saskatchewan Polytechnic's Business diploma will give you a competitive edge in your career. Business students are tomorrow's accountants, financial officers, marketing managers, insurance brokers, human resources specialists, sport managers, municipal administrators, and entrepreneurs. Many of the diploma specialties also provide opportunities for co-op work placements.

Our two-year Business diploma program is offered full-time as follows below.

Note: Locations may be subject to change annually.

- Moose Jaw (all specialties except Municipal Administration)
- Saskatoon (Accounting specialty - offered in person beginning Fall 2023)
- Saskatoon (Marketing specialty - delivered via live streaming)
- Prince Albert (Management specialty only)
- Flexible learning options including online and evening classes are available through the School of Continuing Education.
- Note: The Municipal Administration specialty is offered exclusively online.

International students are accepted to the Moose Jaw and Prince Albert programs.

Full-time students in Saskatoon apply to the Business certificate program before entering the Business diploma program. Business diploma students apply through Moose Jaw and Prince Albert.

The Business certificate program is equivalent to the first year of the diploma program. The first year provides a well-rounded foundation in core business concepts, including accounting, computers, economics, human resources, insurance, organizational behavior, marketing and more. The second year allows you to specialize in one of the following areas of expertise.

You can apply to transfer your Business courses to degree programs at various universities. See the Get credit for what you know section below.

Note: Be sure to pay special attention to the Electives that are required for second year specialties (listed at the bottom of the Courses section below).

Accountancy

Accounting is about more than numbers; it's about conducting audits, doing business analyses and presenting financial information so managers and investors can make informed decisions. Accounting is often called the language of business. If you want to be one of the people at the table when critical business decisions are made, Saskatchewan Polytechnic's Business accountancy specialty will appeal to you.

You'll study cost accounting, auditing, taxation, finance, financial accounting and more. You'll apply theory to real-world situations in business simulations, case studies and group projects. You'll use industry standard software in your courses. Optional co-operative education work terms are a great way to gain valuable experience and make industry connections - while earning money.

You can apply to use your diploma for credit in a degree program at the University of Regina's Paul J. Hill School of Business, University of Saskatchewan's Edward School of Business, Royal Roads University, University of Lethbridge or online degree programs at Athabasca University. You can also apply to use your diploma credits for standing toward the Chartered Professional Accountant (CPA) designation. For more information, visit www.cpacanada.ca

Saskatchewan Polytechnic accountancy specialists are in demand. Many grads have jobs lined up before they graduate. You'll find opportunities in every sector: commercial, industrial, institutional, government and non-profit. You could work for an accounting firm or in the accounting department of a private company or government department.

Financial Services

If you're interested in a career that combines working with money and working with people, Saskatchewan Polytechnic's Business financial services specialty diploma is a great choice. Financial services is more than banking - it's loans, mortgages, investment products, financial planning and advising, money management, insurance, risk management and more. Essentially, it's helping people with their financial health from the cradle to the grave. With so many services and an aging workforce, it's also an industry with exceptional potential for career growth and mentorship.

You'll develop specialized knowledge and skills in residential mortgages, bank operations, financial products and services, loans and credit, personal financial planning, tax fundamentals, advanced investment products and more.

Practical exercises and hands-on activities give you a chance to apply what you learn. A unique seminar course on strategic advising in your final semester gives you a chance to integrate theory and practice in a simulated retail banking environment. It's a chance to polish your skills before entering the workforce.

Saskatchewan Polytechnic works with the Canadian Securities Institute (CSI) to ensure students are meeting actual marketplace needs. As part of your course requirements, you must register with the CSI and purchase specified textbooks that will be used for Saskatchewan Polytechnic's Investment Funds in Canada preparation course. Saskatchewan Polytechnic will guide you through your CSI registration process and textbook purchase.

Graduating with a financial services specialty diploma qualifies you to apply for advanced standing into degree programs at the University of Regina's Paul J. Hill School of Business, Royal Roads University, University of Lethbridge or online degree programs at Athabasca University. Graduates of this specialty may also receive transfer credits towards the Certified in Management designation through the Canadian Institute of Management and the Certified Logistics Professional designation through the Canadian Institute of Traffic and Transportation.

Graduates are prepared to work in a multitude of positions including management trainees in the financial market (financial institutions). These include chartered banks, investment firms, credit unions, trust companies, and insurance companies.

Human Resources

Human resources offers the best of two career paths; working with people and working in a business environment. On a day-to-day basis, you might be dealing with benefits, payroll, labour relations or recruitment issues. But you'll also be involved in the bigger picture - designing competitive employee packages, supporting a productive work environment and creating a healthy organizational culture. Saskatchewan Polytechnic's Business human resources specialty provides the broad-based training you need to work in any sector.

This human resources specialty is available on campus in Moose Jaw or through flexible learning options (online and evening). You'll focus on in-depth training in the application of business management practices to employment situations, employee engagement, compensation and benefits, labour and employee relations, organizational effectiveness and behavior, recruitment and selection, training and development, and workplace wellness.

In addition to lecture material, you'll participate in class assignments, role-playing, demonstrations, and simulations. The emphasis on learning by doing will help you translate theory into real-life skills.

As a human resources student you have the option to spend a year taking three consecutive four-month paid co-operative education work terms. Work terms not only let you develop your skills on the job, but they also provide an excellent introduction to potential employers.

You can use your Business human resources specialty diploma for credit in degree programs at the University of Regina's Paul J. Hill School of Business, University of Saskatchewan's Edwards School of Business, Royal Roads University, University of Lethbridge or online degree programs at Athabasca University. Graduates of this specialty may also receive transfer credits towards the Certified in Management designation through the Canadian Institute of Management and the Certified Logistics Professional designation through the Canadian Institute of Traffic and Transportation.

A Business diploma in human resources gives you a lot of choices. You could work in the HR department of a large multinational company, government agency or health organization. You could be part of a smaller team or even the only specialist in a small business. Where you work impacts what you do. In a smaller organization, you might be a generalist doing a wide variety of HR tasks. In a larger organization, you could be an HR manager, recruiter, labour relations assistant, compensation analyst, training coordinator or benefits administrator.

Insurance

Insurance is big business in Canada. People, businesses, and organizations rely on insurance professionals to help manage risk and protect against loss. With more than 25 percent of the current workforce* expected to retire in the next few years, now is a great time to start a career in insurance.

Insurance brokers, appraisers, claims investigators and marketing representatives work closely with people and businesses. Insurance adjusters, underwriters, loss control specialists, risk managers, and actuaries work behind the scenes balancing the numbers.

* Insurance Institute of Canada

Saskatchewan Polytechnic is one of only nine colleges and universities in Canada to offer a dedicated insurance program, and the only one in Saskatchewan. The specialty is designed with extensive input from Saskatchewan's insurance industry and the Insurance Institute of Canada.

In this second year specialty, you'll take courses in insurance against liability, insurance broker/agent skills, insurance on property, loss adjusting, relationship selling, commercial law, and underwriting.

When you graduate, you'll have written five of the 10 Insurance Institute of Canada exams necessary to earn your Chartered Insurance Professional (CIP) designation. You can also apply to use your diploma for a head start in degree programs at the University of Regina's Paul J. Hill School of Business, Royal Roads University, University of Lethbridge or online degree programs at Athabasca University. Graduates of this specialty may also receive transfer credits towards the Certified in Management designation through the Canadian Institute of Management and the Certified Logistics Professional designation through the Canadian Institute of Traffic and Transportation.

There are more job openings than insurance specialty grads. You'll find your skills in demand in communities around the province. Work as an insurance broker/agent in a large firm or as an independent broker. Build a career as a claims adjuster, underwriter or appraiser for government or private insurance agencies.

Management

If you like being part of decision-making processes and are interested in organizational culture and interpersonal dynamics, the Business management specialty will appeal to you. Business management is many things - efficient management of people, effective organization of resources, and strategic planning for growth. You could work in an administrative role in a wide range of public and privately owned enterprises, crown corporations and government organizations, or start your own business.

You'll develop knowledge and skills in interpersonal and organizational behavior, finance and managerial accounting, entrepreneurship, digital media, leadership and decision making, cross-cultural management, project management, and strategic management.

You can take a year to participate in the optional three consecutive four-month paid co-operative education work terms between semesters three and four. It's a chance to try different job areas in administration and discover the best fit for your career goals.

Saskatchewan Polytechnic's Business management specialty diploma is accredited by the Canadian Institute of Management (CIM). When you graduate, you'll have met the educational requirements for the Certified in Management (CIM) professional designation. After two years of managerial (or supervisory) work experience, you can apply for the right to put the highly respected "CIM" designation after your name.

You can also use your Business management specialty diploma for credit in degree programs at the University of Regina's Paul J. Hill School of Business, University of Saskatchewan's Edwards School of Business, Royal Roads University, University of Lethbridge or online degree programs at Athabasca University. Graduates of this specialty may also receive transfer credits towards the Certified Logistics Professional designation through the Canadian Institute of Traffic and Transportation.

When you graduate, you will have the knowledge and practical skills for a wide variety of administrative and supervisory jobs in many types of organizations. Or you can apply what you have learned to grow your own business.

Marketing

A career in marketing can take you in many directions - branding, research, public relations, retail, advertising sales or event planning. And you can find jobs in these areas in almost every sector, from health agencies to natural resource companies to non-profit organizations.

Our dynamic curriculum includes social media, computer-based simulations, industry-standard Adobe software, crisis management, and other emerging trends.

You can develop on-the-job skills, introduce yourself to different employers and test-drive different types of jobs over the year during three consecutive four-month paid co-operative education work terms.

You'll gain knowledge and skills in advertising, branding and creative design, digital and social media, market research and strategic marketing, project management and relationship selling, public relations, and retail strategy and development.

You'll get a hands-on education using social media, writing copy, doing mock presentations, conducting research, creating computer-based simulations, participating in group projects and more. You'll also get involved in the community; Saskatchewan Polytechnic's

Business marketing specialty diploma gives you an opportunity to work on real projects for community-based organizations.

You can apply to use your Business marketing specialty diploma for credit in degree programs at the University of Regina's Paul J. Hill School of Business, University of Saskatchewan's Edwards School of Business, Royal Roads University, University of Lethbridge or online degree programs at Athabasca University. Graduates of this specialty may also receive transfer credits towards the Certified in Management designation through the Canadian Institute of Management and the Certified Logistics Professional designation through the Canadian Institute of Traffic and Transportation.

Business marketing specialty grads work as marketing coordinators, marketing assistants, advertising sales representatives, event planners, publicists, social media specialists, account managers, brand managers, market researchers and more. Use your skills in your own business, work for an advertising agency or design firm, or look for opportunities in larger organizations and government agencies.

Municipal Administration

The Municipal Administration specialty will give you the skills you need to successfully manage the day-to-day operations of a town or municipality. For the first time in Saskatchewan, this specialty offers applied learning at the diploma level that will prepare you for success as a senior government manager or official.

This specialty has been developed in partnership with the following organizations: Saskatchewan Urban Municipalities Association (SUMA), Saskatchewan Association for Rural Municipalities (SARM), Urban Municipal Administrators' Association of Saskatchewan (UMAAS), Canadian Association of Municipal Administrators (CAMA) and the Saskatchewan Ministry of Government Relations.

The curriculum has been developed based on the direction of these organizations and their members to ensure graduates are prepared for demanding and rewarding roles in municipal administration.

Key learning outcomes of the specialty include managing human resources and labour relations in a municipality, applying municipal laws, ordinances, and protocols, developing strategic communication, interpersonal and project management skills, applying principles of municipal accounting and risk management by implementing tax laws, financial reporting protocols, and protocols for managing public utilities.

With 10 courses developed specifically to address the job requirements of senior government managers and officials, this program will equip you with the specific knowledge, skills and attitudes you need for a successful career in municipal administration.

Additionally, this specialty is offered online so that you can complete the program from anywhere, anytime, and at a pace that works for you. This flexible delivery model allows you to continue working while you upgrade your knowledge and skills.

Sport Management

For more information contact Stephen Kirzinger, program head, Business diploma, Sport Management:
stephen.kirzinger@saskpolytech.ca

If you love sports but are unsure how to transform that passion into a meaningful career path, then the sport management specialty may be right for you!

Sport management combines your love of sports with business management fundamentals, making it a meaningful and rewarding career path. With careers in Saskatchewan and around the world in professional sport, junior hockey, national, provincial, and local sport organizations, college and university sport, commercial sport organizations, sport media, corporations that partner with sport organizations, or founding and managing your own business in sport, your opportunities in the sport industry will be diverse.

In addition to its diverse career paths, the sport industry provides people with opportunities to build relationships, inclusiveness, and communities. By becoming a sport management professional, you will have the opportunity to use sport to enrich the lives of others.

The sport management curriculum focuses on providing you with skills and experiences related to generating revenue in sport and managing sport organizations. You will be prepared to obtain opportunities in the sport industry and then be a difference maker!

You will have opportunities to interact with sport industry professionals through various work-integrated learning experiences such as real-world project work and guest lectures. For example, you will prepare revenue generation, marketing, risk management and sport partnership development plans for actual sport organizations. Additionally, you will plan and manage a tournament, league, or competition, as well as sport and esports events.

Sample job titles within the sport industry this program prepares you for include manager, business operations, ticket sales executive, general manager, sales and partnership executive, manager, ticketing and sponsorship, sport administrator, manager, brand and promotions, partnerships coordinator, communications coordinator, marketing manager, executive director, business development coordinator, director, business operations, tournament director, and program director.

Working in sport is rewarding and our sport management specialty will set you up for success as a sport management professional. But don't just take our word for it, see what the pros say:

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

ACCT 122	Introductory Financial Accounting 1
ADMN 220	Organizational Behaviour
BCOM 105	Business Communications
BUS 104	Introduction to Business
COMP 120	Business Solution Software
ECON 120	Microeconomics

Semester 2

HR 120	Introduction to Human Resource Management
LAW 220	Commercial Law
MATH 139	Business Mathematics
MKTG 120	Marketing

Semester 2 Electives (1 of 2)

ACCT 125	Introductory Financial Accounting 2
ACCT 225	Managerial Accounting

Semester 2 Electives (1 of 4)

ACCT 136	Automated Accounting
FIN 100	Personal Finance
INS 100	Principles and Practices of Insurance
MGMT 108	Introduction to Sport Management

Co-operative Work Term 1

COOP 100	Cooperative Work Term

Accountancy Semester 3

ACCT 215	Intermediate Financial Accounting 1
ACCT 216	Intermediate Financial Accounting 2
ACCT 226	Cost Accounting 1
ADTG 220	Auditing
ECON 121	Macroeconomics
TAX 201	Taxation 1
TAX 202	Taxation 2

Co-operative Work Term 2

COOP 200	Cooperative Work Term
COOP 300	Cooperative Work Term

Accountancy Semester 4

ACCT 217	Intermediate Financial Accounting 3
ACCT 218	Intermediate Financial Accounting 4
ACCT 219	Management Information Systems
ACCT 227	Cost Accounting 2
FIN 220	Finance
INDG 100	Introduction to Indigenous Studies
TAX 222	Taxation 3

Graduation Requirement

ACCT 136	Automated Accounting

Financial Services Semester 3

ADMN 206	Leadership Development
ECON 121	Macroeconomics
FIN 211	Financial Products and Services 1
FIN 212	Financial Products and Services 2
FIN 227	Financial Institution Operations
IPSK 200	Essential Business Skills

Financial Services Semester 3 (1 of 13)

ACCT 136	Automated Accounting
ACCT 225	Managerial Accounting
ADMN 209	Organizational Change
ADMN 224	Entrepreneurship
ADMN 255	Conflict Management
FIN 100	Personal Finance
FIN 220	Finance
HR 233	Employee and Labour Relations
HR 234	Creating Healthy Organizations
INS 100	Principles and Practices of Insurance
MKTG 221	Relationship Selling
MKTG 222	Advertising and Marketing Communications
MKTG 223	Marketing Research

Financial Services Semester 4

FIN 232	Strategic Financial Advising
INVS 200	Investment Funds in Canada 1
INVS 201	Investment Funds in Canada 2
MGMT 209	Strategic Management
MGMT 214	Project Management
TAX 200	Tax Fundamentals

Financial Services Semester 4 (1 of 13)

ACCT 136	Automated Accounting
ACCT 225	Managerial Accounting
ADMN 209	Organizational Change
ADMN 224	Entrepreneurship
ADMN 255	Conflict Management
FIN 100	Personal Finance
FIN 220	Finance
HR 233	Employee and Labour Relations
HR 234	Creating Healthy Organizations
INS 100	Principles and Practices of Insurance
MKTG 221	Relationship Selling
MKTG 222	Advertising and Marketing Communications
MKTG 223	Marketing Research

Human Resources Semester 3

ADMN 209	Organizational Change
ADMN 255	Conflict Management
HR 226	Foundations of Talent Acquisition
HR 227	Talent Selection
HR 231	Strategic Compensation
MGMT 208	Cross-Cultural Management

Human Resources Electives (1 of 13)

ACCT 136	Automated Accounting
ACCT 225	Managerial Accounting
ADMN 224	Entrepreneurship
ECON 121	Macroeconomics
FIN 100	Personal Finance
FIN 220	Finance
INS 100	Principles and Practices of Insurance

IPSK 200	Essential Business Skills
MGMT 209	Strategic Management
MGMT 214	Project Management
MKTG 221	Relationship Selling
MKTG 222	Advertising and Marketing Communications
MKTG 223	Marketing Research

Co-operative Work Term 1

COOP 100	Cooperative Work Term

Co-operative Work Term 2

COOP 200	Cooperative Work Term

Co-operative Work Term 3

COOP 300	Cooperative Work Term

Human Resources Semester 4

ADMN 206	Leadership Development
HR 225	Strategic Human Resources Management
HR 228	Training and Development Foundations
HR 229	Training and Development Delivery
HR 233	Employee and Labour Relations
HR 234	Creating Healthy Organizations
MKTG 227	Digital Marketing

Insurance Semester 3

ADMN 255	Conflict Management
INS 202	Essential Skills for the Insurance Broker and Agent
INS 206	Introduction to Insurance on Property
INS 207	Insurance on Habitational and Commercial Properties
MKTG 221	Relationship Selling
MKTG 225	Public Relations

Insurance Electives (1 of 14)

ACCT 136	Automated Accounting
ACCT 225	Managerial Accounting
ADMN 224	Entrepreneurship
ECON 121	Macroeconomics
FIN 100	Personal Finance
FIN 220	Finance
HR 233	Employee and Labour Relations
HR 234	Creating Healthy Organizations
INS 100	Principles and Practices of Insurance
IPSK 200	Essential Business Skills
MGMT 209	Strategic Management
MGMT 214	Project Management
MKTG 222	Advertising and Marketing Communications
MKTG 223	Marketing Research

Co-operative Work Term 1

COOP 100	Cooperative Work Term

Co-operative Work Term 2

COOP 200	Cooperative Work Term

Co-operative Work Term 3

COOP 300	Cooperative Work Term

Insurance Semester 4

ADMN 206	Leadership Development
ADMN 209	Organizational Change
INS 203	Insurance Against Liability
INS 208	Introduction to Loss Adjusting
INS 209	Fundamentals of Loss Adjusting
MGMT 208	Cross-Cultural Management

Insurance Electives (1 of 14)

ACCT 136	Automated Accounting
ACCT 225	Managerial Accounting
ADMN 224	Entrepreneurship
ECON 121	Macroeconomics
FIN 100	Personal Finance
FIN 220	Finance
HR 233	Employee and Labour Relations
HR 234	Creating Healthy Organizations
INS 100	Principles and Practices of Insurance
IPSK 200	Essential Business Skills
MGMT 209	Strategic Management
MGMT 214	Project Management
MKTG 222	Advertising and Marketing Communications
MKTG 223	Marketing Research

Graduation Requirement

INS 100	Principles and Practices of Insurance

Management Semester 3

FIN 220	Finance
HR 228	Training and Development Foundations
HR 229	Training and Development Delivery
MGMT 208	Cross-Cultural Management
MGMT 214	Project Management
MKTG 222	Advertising and Marketing Communications

Management Electives (1 of 12)

ACCT 136	Automated Accounting
ACCT 225	Managerial Accounting
ADMN 209	Organizational Change
ECON 121	Macroeconomics
FIN 100	Personal Finance
HR 225	Strategic Human Resources Management
HR 233	Employee and Labour Relations
HR 234	Creating Healthy Organizations
INS 100	Principles and Practices of Insurance
IPSK 200	Essential Business Skills
MKTG 221	Relationship Selling
MKTG 223	Marketing Research

Co-operative Work Term 1

COOP 100	Cooperative Work Term

Co-operative Work Term 2

COOP 200	Cooperative Work Term

Co-operative Work Term 3

COOP 300	Cooperative Work Term

Management Semester 4

ADMN 206	Leadership Development
ADMN 224	Entrepreneurship
ADMN 255	Conflict Management
HR 226	Foundations of Talent Acquisition
HR 227	Talent Selection
MGMT 209	Strategic Management
MKTG 227	Digital Marketing

Marketing Semester 3

MGMT 214	Project Management
MKTG 216	Fundamentals of Design and Branding
MKTG 217	Creative Design in Marketing Communications

MKTG 221	Relationship Selling
MKTG 223	Marketing Research
MKTG 225	Public Relations

Marketing Electives (1 of 14)

ACCT 136	Automated Accounting
ACCT 225	Managerial Accounting
ADMN 206	Leadership Development
ADMN 209	Organizational Change
ADMN 224	Entrepreneurship
ADMN 255	Conflict Management
ECON 121	Macroeconomics
FIN 100	Personal Finance
FIN 220	Finance
HR 233	Employee and Labour Relations
HR 234	Creating Healthy Organizations
INS 100	Principles and Practices of Insurance
IPSK 200	Essential Business Skills
MGMT 209	Strategic Management

Co-operative Work Term 1

COOP 100	Cooperative Work Term

Co-operative Work Term 2

COOP 200	Cooperative Work Term

Co-operative Work Term 3

COOP 300	Cooperative Work Term

Marketing Semester 4

MKTG 218	Marketing Management
MKTG 219	Marketing Strategy
MKTG 220	Retail Strategy and Development
MKTG 222	Advertising and Marketing Communications
MKTG 227	Digital Marketing

Marketing Electives (2 of 14)

ACCT 136	Automated Accounting
ACCT 225	Managerial Accounting
ADMN 206	Leadership Development
ADMN 209	Organizational Change
ADMN 224	Entrepreneurship
ADMN 255	Conflict Management
ECON 121	Macroeconomics
FIN 100	Personal Finance
FIN 220	Finance
HR 233	Employee and Labour Relations
HR 234	Creating Healthy Organizations
INS 100	Principles and Practices of Insurance
IPSK 200	Essential Business Skills
MGMT 209	Strategic Management

Municipal Administration Sem 3

ACCT 203	Introductory Municipal Accounting and Finance
ADMN 206	Leadership Development
ADMN 213	Introduction to Municipal Administration
COMM 203	Strategic Communication for Municipalities
IPSK 201	Professionalism within Municipal Administration
MGMT 214	Project Management
MUNI 200	Municipal Structures and Governance

Municipal Administration Sem 4

ACCT 204	Municipal Accounting and Finance
ACCT 205	Asset Management
ADMN 255	Conflict Management
HR 203	Human and Labour Relations in Municipalities
MGMT 209	Strategic Management
MUNI 201	Municipal Administration
MUNI 202	Municipal Legislation

Sport Management Semester 3

ADMN 206	Leadership Development
FIN 220	Finance
MKTG 205	Sport Marketing
SMGT 200	Sport Partnership Development
SMGT 201	Tournament, League, and Competition Management
SMGT 202	Sales, Revenue, and Value Generation in Sport 1
SOCI 202	Sport in Society

Sport Management Semester 4

ANLT 201	Applied Sport Business Analytics
CAPL 201	Sport Career Development
MGMT 216	Esports Business Management
MGMT 217	Risk Management for Sport Organizations
MKTG 227	Digital Marketing
SMGT 203	Sales, Revenue, and Value Generation in Sport 2
SMGT 204	Sport Event Management

Sport Management Electives (1 of 2)

ADMN 224	Entrepreneurship
MGMT 108	Introduction to Sport Management

Note: Students who wish to pursue the Business Accountancy specialty diploma must take ACCT 125 in order to meet pre-requisites for most second year Accountancy courses Students who wish to pursue the Business Accountancy specialty diploma must take ACCT 136 in order to graduate

Business Management

Post-Graduate Certificate

Location

- Moose Jaw
- Prince Albert

Start date

September (Semester 1 – September to December; Semester 2 – January to April)

January (Semester 1 – January to April; Semester 2 – September to December)

Duration

- 32 weeks

Admission requirements

- A conferred bachelor's degree in any discipline from a recognized post-secondary institution
- English Language Requirement

Program overview

The Business Management post-graduate certificate is an eight-month program that provides a unique opportunity for professionals who want to advance their careers through the development of leadership and management knowledge and skills. The program will prepare students with an existing bachelor's or master's degree to assume leadership and managerial roles in Saskatchewan and Canadian public and private enterprise. Students will develop skills and knowledge in fields of management, accounting, marketing, leadership, business communications, and cross-cultural business practices.

You will apply theory to real-world situations in business simulations, case studies and group projects, and use industry standard software in your courses. Your combination of core and elective courses will prepare you for progression into career opportunities requiring strong leadership and management skills.

Students whose prior degrees are in non-business subjects may want to pursue additional business training at Saskatchewan Polytechnic. Graduates from the Business Management post-graduate certificate may qualify for advanced standing in other Saskatchewan Polytechnic business certificate and diploma programs, including specialized training in Human Resources, Marketing, Accountancy, Insurance, Financial Services, and Management.

Career Opportunities

Graduates from Saskatchewan Polytechnic business programs are in demand. You will find opportunities in diverse occupations and sectors, including positions as administrative supervisors, general administrators, and managers in the natural resources, health, service, trade, and transportation sectors.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

ACCT 605	Accounting for Managers
ADMN 600	Organizational Behaviour
BCOM 600	Business Communications
HR 600	Human Resource Management
MKTG 600	Marketing Management

Semester 2

LAW 600	Commercial Law
LEAD 601	Leadership and Professionalism
MGMT 601	Strategic Management
MGMT 609	Operations Management
PROJ 605	Fundamentals of Project Management

Career Essentials

Applied Certificate

Location

- Prince Albert
- Regina

Start date

No offerings currently available. Contact Lori Hall at lori.hall@saskpolytech.ca or 306-775-7577 if you are interested in this program.

- If you're interested in enhancing your career development, please consider similar program opportunities below:
- Career
- Enhancement
- Experience Counts

Duration

- 20 weeks

Admission requirements

- Open Access
- English Language Requirement

Note:

Sponsored students will be required to complete a pre-program skills assessment.

For more information about how to apply in Regina, contact Lori Hall at lori.hall@saskpolytech.ca or 306-775-7577.

Program overview

Career Essentials is an applied certificate program that will provide the essential tools you need to be successful in your career. Build the knowledge, skills and confidence to find a rewarding job, advance your career and increase your success in further training. Career Essentials will help you meet your goals.

During your 20-week program you will have the opportunity to:

- build fundamental digital/computer and keyboarding skills
- assess your skills, interests, values and personal style
- research the occupations and jobs that most interest you
- set meaningful and realistic career goals
- refresh the essential skills most relevant to your career goals

- develop the tools you need to conduct a successful job search
- add a variety of professional development achievements to your portfolio of skills

For the final component of your Career Essentials program, you will work on-site with a local employer, in exchange for training, skill development, networking, and the opportunity to be considered for current and future employment opportunities.

Career Essentials is currently offered and supported only by Skills Training Allocation (STA), or through contractual arrangements with our sponsor. Sponsored students must be unemployed or underemployed Saskatchewan residents who are legally entitled to work in Canada.

Career Opportunities

Graduates of the Career Essentials program may be found in a broad range of occupations and roles, from entry level to professional. The career you target will depend on your qualifications, skills, aptitudes, interests, and the opportunities currently available in your labour market.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

CAPL 100	Know Yourself: Exploring Skills & Interests
CAPL 101	Labour Market Research
CAPL 102	Career Action Plan
COMP 108	Introduction to Digital Communication
COMP 170	Basic Computer Operation
COMP 171	Introduction to Microsoft Word
COMP 174	Introduction to Microsoft Excel 1
CWEX 100	Essential Skills Foundations
CWEX 101	Applying Essential Skills
CWEX 102	Tools and Techniques to Find a Job
CWEX 103	Strategies for Workplace Success
WORK 128	Work Experience

Entrepreneurship

Post-Graduate Certificate

Location

- Moose Jaw

Start date

September and January

Duration

- 32 weeks

Admission requirements

- A conferred bachelor's degree in any discipline from a recognized post-secondary institution
- English Language Requirement

Notes:

- International Students: Saskatchewan Polytechnic offers new applicants the Entrepreneurship post-graduate certificate program as part of a two (2) program bundle. Students must apply to two (2) post-graduate programs.
- Current students and recent post-graduate certificate graduates are eligible to apply for only the Entrepreneurship post-graduate certificate program.

Program overview

Intake to this program is deferred until January 2024.

Entrepreneurial spirit runs deep in Saskatchewan. Our past, present and future is built on innovators and creators--people who want to run their own business, carve their own career path and build a future for their family. The new one-year Entrepreneurship post-graduate certificate will give you the skills, the knowledge, even the beginnings of a professional network to launch your entrepreneurial career.

What sets the Entrepreneurship program apart is our focus on relevant, real-world learning. Get the skills you need to effectively manage a business, from the basics of accounting and finance to human resources, communication, marketing and leadership. Learn about social entrepreneurship and purpose-driven businesses, indigenous entrepreneurship and the role of technology in entrepreneurship.

Saskatchewan Polytechnic is known for our hands-on approach to learning. This means you will have many opportunities for applied learning, including preparing a feasibility analysis, creating an innovative solution to a problem and developing a business plan for a new venture.

Career Opportunities

Apply your skills to your own business, whether you're just launching or looking to expand. You can also look for opportunities with other start-ups and entrepreneurial enterprises. It's a great way to gain experience, build skills and cultivate connections.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas

and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

ACCT 605	Accounting for Managers
ANLT 602	Ideation, Innovation, and Design Thinking
ANLT 603	Entrepreneurial Opportunity Analysis
BUS 600	Introduction to Entrepreneurship
MKTG 602	Marketing for Small Businesses

Semester 2

BUS 601	Business Plan Development
HR 601	Human Resources for Entrepreneurs
LAW 601	Legal Aspects of Entrepreneurship
LEAD 601	Leadership and Professionalism
MGMT 611	Small Business Management

Financial Services

Post-Graduate Certificate

Location

- Moose Jaw

Start date

- January (Semester 1 – January to April; Semester 2 – September to December)
- September (Semester 1 – September - December; Semester 2 – January to April)

Duration

- 32 weeks

Admission requirements

- Earned bachelor's degree from a recognized university
- English Language Requirement

Program overview

The financial services sector provides critical services to the individuals and organizations that drive Saskatchewan's economy. Career opportunities in financial services are diverse and include working with a bank or investment firm, financial planning and credit counselling. Saskatchewan Polytechnic's Financial Services post-graduate certificate (FSPGC) program will provide you with the foundational knowledge and skills you need to succeed. This program is designed to meet the growing need for qualified intermediate-level planners and supervisors in the financial services sector, particularly in smaller cities.

The one-year post-graduate program gives degree graduates the theoretical and technical knowledge necessary to build a successful career in financial services. Courses provide specialized knowledge and skills in banking, client relationships, consumer credit, insurance, financial advising, income tax, investment funds, and more.

Learn with like-minded young professionals in Saskatchewan Polytechnic's dynamic campus environment. You'll engage in applied learning activities such as case studies, simulations, role plays and mock interviews. Coursework will prepare you to write the Investment Funds in Canada (IFC) compliance exams, which provide graduates with the required credentials to work in a variety of jobs in financial services. You will also develop the critical human skills needed to meet with clients, complete a needs analysis, and build long-term professional relationships.

Career Opportunities

When you graduate with a Financial Services post-graduate certificate from Saskatchewan Polytechnic, you will have the combination of education and work-integrated experience you need to succeed in a variety of financial services jobs. You will be prepared to assume intermediate-level roles with banks, trust companies, investment firms and government. You could work as a financial planner, wealth manager, financial examiner, mortgage broker, loan officer, credit counsellor, bank supervisor, investment advisor and trust officer.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

FIN 601	Banking Fundamentals
FIN 602	Consumer Credit and Insurance
FIN 603	Small Business Banking
IPSK 600	Building Client Relationships 1
LEAD 601	Leadership and Professionalism

Semester 2

INVS 600	Financial Advising
INVS 601	Investment Funds (IFC) Prep 1
INVS 602	Investment Funds (IFC) Prep 2
IPSK 601	Building Client Relationships 2
TAX 602	Income Tax for Financial Professionals

Human Resources Management

Certificate

Location

Start date

- Varies - Part-Time Studies

Duration

- 12 courses

Admission requirements

- Grade 12

Note: You do not apply or have admission requirements assessed for this program. You will take courses through Continuing Education. Once you have successfully completed all the courses in the program, simply apply to graduate.

Program overview

If you're hoping to move into positions that require skills in employee recruitment and training, or knowledge of labour relations, organizational behaviour, health and safety, Saskatchewan Polytechnic's Human Resources Management certificate program will interest you. It's practical training in critical HR functions, from payroll and benefits to recruitment and labour relations. Take the program to develop in-demand knowledge and skills in the growing field of human resources management.

The Human Resources Management certificate program is offered on a course-by-course basis through The School of Continuing Education on evenings and Saturdays, as well as through distance education. You'll study key areas in HR management such as:

- Compensation and benefits
- Conflict management
- Employee and labour relations
- Recruitment and selection
- Training and development
- Leadership development
- Project management

Courses integrate demonstrations, projects and practical exercises to help you translate theory into practice. For example, you'll develop a proposal to help management enhance employee relations; you'll discuss current trends in labour relations; you'll use role-play to develop conflict resolution skills; you'll participate in simulations and experiential exercises to build practical skills.

Career Opportunities

Human resources professionals work for large companies, municipalities, government departments, health authorities, university and school systems. You might start as an entry-level HR assistant, or you might move into a general management position that demands HR skills. Your certificate prepares you to work in different areas of human resources management, including classifications, recruitment, benefits, employment equity, job analysis, employee relations, staff training and administration.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

ACCT 122	Introductory Financial Accounting 1
ADMN 220	Organizational Behaviour
ADMN 255	Conflict Management
HR 120	Introduction to Human Resource Management
HR 225	Strategic Human Resources Management
HR 226	Foundations of Talent Acquisition
HR 227	Talent Selection
HR 228	Training and Development Foundations
HR 229	Training and Development Delivery
HR 231	Strategic Compensation
HR 233	Employee and Labour Relations
HR 234	Creating Healthy Organizations
Electives (2 of 8)	
ADMN 206	Leadership Development
ADMN 209	Organizational Change
ADMN 224	Entrepreneurship
BCOM 105	Business Communications
MGMT 214	Project Management
MKTG 223	Marketing Research
MKTG 225	Public Relations
MKTG 227	Digital Marketing

Leadership and Coaching Development
Certificate of Achievement

Location

Start date

- TBA.

Duration

- 15 weeks

Admission requirements

There are no admission requirements.

Program overview

Designed for managers and supervisors, this unique, blended learning Leadership and Coaching program provides leadership strategies to effectively lead individuals and teams. Build your leadership style by learning Crane's coaching model, practicing effective coaching and communication techniques and finalizing your Leadership Action Plan. You will receive coaching to support your leadership journey.

The program combines online modules with weekly video conferencing sessions. Your online learning will be enhanced by regular interactive sessions with your instructor and other participants. You will spend 44 hours online learning (self-paced) and 16 hours in group work.

Your investment includes a copy of The Heart of Coaching by Thomas Crane, the Strengths Finder Self-Assessment Tool, plus an individual coaching session with your instructor.

Topics: Introduction to Leadership and Coaching

- determine personal leadership strengths using StrengthsFinder Self-Assessment
- examine Crane's leadership and coaching model
- learn the importance of goal setting

Identifying and Enhancing Your Leadership Skills

- build on leadership strengths and learn how to use your strengths when leading others
- discuss the importance of clear communication and feedback when coaching and leading others
- learn the reasons for conflict and discover a model for reducing conflict in the workplace
- using Crane's coaching model, practice an introductory coaching scenario

Coaching Practice

- demonstrate leadership knowledge and skills through the coaching process
- engage in peer-to-peer coaching with a classmate
- practice coaching with a workplace partner

Leading Self, Leading Others

- review workplace coaching experiences and identify leadership strengths and challenges
- identify leadership behaviours that build strong teams
- review models to build highly effective teams
- learn an approach to decision-making

Leadership in Action

- apply leadership and coaching knowledge and skills
- write your personal leadership action plan incorporating your leadership vision and values
- participate in a one-on-one coaching session with a coach instructor

For more information about this program contact Mary Jesse at mary.jesse@saskpolytech.ca

Potential Funding Sources

This program is eligible for the Canada-Saskatchewan Job Grant and will be eligible for the Re-Skill Saskatchewan Training Subsidy.

For those working in registered charities in social services or early learning, the Muttart Foundation may provide a tuition bursary for this course. Apply online or contact t.stang@muttart.org

Career Opportunities

A certificate in Leadership and Coaching Development adds value to both your resume and your workplace. Demonstrated leadership and coaching skill is important to many employers. You may be able to advance in your organization or find new opportunities in coaching and mentorship roles. You can use these new skills in your current role to develop stronger work teams, effectively manage conflict, and increase productivity.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

LEAD 010 Leadership and Coaching Development

Office Administration

Certificate

Location

- Online/Distance
- Prince Albert
- Regina

Start date

- September and January - Prince Albert and Regina (full-time)
- Part-time Studies (course offerings vary)

Duration

- 32 weeks (full-time); 15 courses (Part-time Studies)

Admission requirements

- Grade 12
- English Language Requirement

Program overview

Saskatchewan Polytechnic's Office Administration program is a one-year certificate program offered full-time on-campus in Prince Albert and Regina.

You may also take all the courses in the program through Continuing Education. If you take the courses through Continuing Education, you are not required to apply for admission or meet the requirements. Once you have successfully completed all the courses, simply apply to graduate.

This program provides knowledge and skill development related to the business office environment, with an emphasis on computer applications. Instruction is augmented by projects that will give you a hands-on understanding of the demands and rewards of work in an office setting.

You'll learn how to:

- Edit and write business letters, memos and email communication;
- Effectively use leading business software applications, including word processing, spreadsheets, databases, presentations, desktop publishing and Adobe to create business documents;
- Execute office procedures such as reception, mail processing, email communication, calendaring, telephone communication, maintaining office equipment, task management and meeting participation;
- Generate, maintain and retrieve manual and electronic records;
- Use interpersonal communications in the workplace; and
- Use automated accounting software and do basic accounting.

Saskatchewan Polytechnic emphasizes hands-on learning, especially when it comes to computer and software programs. You'll learn to use leading office software, from word processing to accounting to email. You'll gain practical experience through simulated office situations. You'll practise standard office procedures, from directing telephone communications to preparing for meetings to maintaining office equipment and managing office supplies.

Job-Ready at Graduation

Your Sask Polytech classroom mirrors a business environment. Business attire is expected. You'll work individually and in teams. You'll turn classroom friendships into a professional network. You'll learn by doing. This means, for example, that you'll learn about Microsoft Office by using it in class, about managing office supplies and business forms as well.

Career Opportunities

Every business needs administrative assistants. This gives Saskatchewan Polytechnic Office Administration graduates a broad job market: government, education, law, medicine, engineering, manufacturing, travel, insurance, banking and business. You could work in a large organization and become a specialist or in small business and perform a wide variety of duties. Entry-level positions include administrative assistant, administrative support staff, receptionist, bookkeeper, customer service representative and more.

Do you need help deciding if these careers could be a good fit for you? Contact Career Counselling Services.

Do you already know this is the program you want to take but need more detailed information or help applying? Connect with a Recruitment Advisor.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

ACCT 105	Accounting
BCOM 100	Business Communications 1
CKEY 101	Keyboarding 1
COAP 115	Word Processing 1
COAP 117	Spreadsheet Applications
COMP 115	Introduction to Organizational Office Technologies
OPRO 105	Office Procedures

Semester 2

BCOM 102	Business Communications 2
CKEY 102	Keyboarding 2
COAP 116	Word Processing 2
COAP 138	Computer Suite Applications
IPSK 100	Interpersonal Communications
OPRO 133	Records and Information Management
PROF 103	Professional Development

Semester 2 Electives (1 of 2)

ACCT 136	Automated Accounting
MTER 200	Medical Terminology

There have been some changes to the Office Administration courses, and the course information listed above is effective July 1, 2022. Additional information: Students taking the program on campus in Fall of 2022 will be taking the courses previously offered in the second semester, including COAP 117.Students in the program before July 1, 2022, will be required to complete COMP 115 if they apply to graduate after June 30, 2023.All students who have not completed OPRO 100 (96 hours - 6 cu) must complete OPRO 105 (60 hrs - 4 cu) and COMP 115 (45 hours - 3 cu).All students who have not completed BCOM 103 will complete IPSK 100 (45 hrs - 3 cu).All students who have not completed EMPS 105 (45 hrs - 3 cu) will be required to complete PROF 103.

For COMP 115, it is strongly recommended that if you are a part-time student, you take this course at the beginning of the program.

For PROF 103, it is strongly recommended that if you are a part-time student, you take this course at the end of the program.

Project Management
Post-Graduate Certificate

Location
- Moose Jaw
- Prince Albert
- Regina

Start date

September (Semester 1 – September to December; Semester 2 – January to April) - Moose Jaw

January (Semester 1 – January to April; Semester 2 – September to December) - Moose Jaw, Prince Albert and Regina

Duration
- 32 weeks

Admission requirements

- Earned bachelor's degree in information and communications technology or engineering (applied science) from a recognized university
- English Language Requirement

Note:

- Applied science is used at some institutions to describe an engineering degree. Other science degrees do not meet the requirements for entry into the program.

Program overview

If you are looking for ways to leverage your engineering or information and communications technology degree to advance your career, consider Saskatchewan Polytechnic's new Project Management post-graduate certificate (PMPGC). The Project Management Institute (PMI) is predicting a 33% increase in project management jobs world-wide and Canada is expected to add an estimated 9,000 project management jobs every year for the next 10 years. These predictions present opportunities for those with the right training and skills.

The one-year Project Management post-graduate certificate program provides degree graduates with a strong foundation in essential project management skills. Our curriculum has been developed with input from industry stakeholders, which ensures students receive a relevant, work-focused learning experience.

You will study the fundamentals of project management, project initiation and planning, project scheduling and budgeting, directing and managing project work, procurement and contract management, alternative methodologies for project management, as well as project closing and evaluation. Several courses will help you prepare for Project Management Institute designation exams.

Saskatchewan Polytechnic gives you the opportunity to interact with industry through work-integrated learning opportunities, including course projects, and guest speakers. You will also build critical human skills through courses in leadership and professionalism, organizational behaviour and business communications.

Career Opportunities

The Project Management post-graduate certificate will open new career paths. Graduates are most likely to find jobs in the construction, engineering and IT sectors, but can also pursue opportunities in health, agriculture and bioresources, finance and more. Typical job titles include project manager, project coordinator, project leader, project scheduler, process development analyst, global project assistant manager, operations manager, process specialist, team leader, and project analyst.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

BCOM 600	Business Communications
MGMT 608	Procurement and Contract Management
PROJ 605	Fundamentals of Project Management
PROJ 606	Project Initiation and Planning
PROJ 607	Project Scheduling and Budgeting

Semester 2

ADMN 600	Organizational Behaviour
LEAD 601	Leadership and Professionalism
PROJ 608	Directing and Managing Project Work
PROJ 609	Alternative Methodologies for Project Management
PROJ 610	Project Closing and Evaluation

Supply Chain Management
Post-Graduate Certificate

Location
- Moose Jaw
- Regina

Start date

September (Semester 1 – September to December; Semester 2 – January to April) - Moose Jaw Campus

January (Semester 1 – January to April; Semester 2 – September to December) - Moose Jaw Campus

This program will be offered at the Regina Campus in January 2024

Duration

- 32 weeks

Admission requirements

- Effective January 2020: A conferred bachelor's degree from a recognized post-secondary institution
- English Language Requirement

Program overview

The Supply Chain Management post-graduate certificate is a 8-month program that provides hands-on education in the field of supply chain management. The program will provide students with the tools necessary to strategize solutions to complex problems and situations and will develop their competence in the areas of planning, sourcing, producing and delivering products and services. The program will prepare students with an existing bachelor's degree to understand and work in the supply chain management industry in Saskatchewan and Canadian public and private enterprise. Students will develop skills and knowledge in fields of procurement, negotiations, leadership, logistics, risk management and information systems. You will apply theory to real-world scenarios in business situations, case studies, group projects and role-playing exercises.

This program has been approved for advanced standing towards attaining the Supply Chain Management Professional (SCMP™) designation.

Career Opportunities

Graduates from Saskatchewan Polytechnic business programs are in demand. You will find opportunities in diverse occupations and sectors, including positions such as supply chain supervisors, production logistics coordinators, purchasing and inventory control workers and shippers and receivers.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

ADMN 601	Introduction to Procurement
BCOM 600	Business Communications
LEAD 601	Leadership and Professionalism
MGMT 605	Introduction to Supply Chain Management
NGTN 600	Negotiation Skills

Semester 2

ADMN 602	Strategic Procurement
COMP 602	Information Systems
MGMT 606	Logistics and Distribution
MGMT 607	Risk Management
MKTG 600	Marketing Management

School of Continuing Education

Indigenous Leadership Skills
Applied Certificate

Location

- Online/Distance

Start date

Varies by course

For more information, contact Karla Elliott at 306-659-4638 or leadershipskills@saskpolytech.ca

Duration

- 240 hours
  - Special Offering of Lead 118 Who is this for?
  - Canadian citizens
  - Permanent Residents of Canada
- Your enrolment provides: Free tuition for LEAD 118 – Indigenous Business and Entrepreneurship.
- Free textbook for the LEAD 118 course.
- Access to online course materials during your online learning journey.
- Course dates: January 30 - June 30, 2023.
- Registration will close on May 5, 2023 or when the course is full.
- Course is limited to 100 students.
- Apply Now Please submit your completed registration form (pdf) to programinnovation@saskpolytech.ca

Admission requirements

- Open Access

Program overview

Sask Polytech recognizes the need to provide culturally relevant training that builds leadership capacity and breaks down barriers by using materials and methods that align to Indigenous values. The Indigenous Leadership Skills Applied Certificate shares how Indigenous peoples across Canada have demonstrated their diverse approaches to using resiliency in leadership. The Indigenous Leadership Skills Applied Certificate is made up of 8 courses (240 hours) and students who complete the 6 courses in the Leadership Skills Certificate of Achievement first will be eligible for dual credentials.

Indigenous peoples across Canada have demonstrated their diverse approaches to using resiliency in leadership. Through these courses, students will gain a national perspective of leadership styles incorporated in Indigenous communities. Students will experience and enhance their understanding of how traditional forms of Indigenous Leadership have consistently demonstrated resiliency amidst a rapidly changing colonial state. The second course will overview the challenges for Indigenous businesses and entrepreneurs and required strategies and adaptation to achieve success.

The learning path to receive dual credentials in the Leadership Skills program is to take the first six courses in the Leadership Skills Certificate of Achievement (LEAD 115, MGMT 115, SUPR 115, LEAD 116, MGMT 116, and MGMT 189) and apply to graduate with the Certificate of Achievement prior to taking the Indigenous Leadership Skills Applied Certificate courses (LEAD 117 and LEAD 118). Only taking the courses using this learning path will allow you to be eligible for the Leadership Skills Certificate of Achievement and the Indigenous Leadership Skills Applied Certificate. You can take all 8 courses in any order and be eligible to graduate with the Indigenous Leadership Skills Applied Certificate.

Career Opportunities

Use the Indigenous Leadership Skills program to enhance business relationships and open doors to supervisory and management positions. You will find leadership opportunities in every industry, from construction to manufacturing, health to hospitality, IT to professional services. This program is a great opportunity for people in existing management roles to develop and enhance their leadership skills. Typical job titles vary by industry, but include lead hand, team lead, sales supervisor, shift manager, site manager, operations managers, general manager and more. Whether you are wanting to move into or are currently in a leadership role, learn with us and we will bring out the leader in you!

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

LEAD 115	Leadership Principles
LEAD 116	Coaching and Teambuilding for Leaders
LEAD 117	Indigenous Leadership and Resilience
LEAD 118	Indigenous Business and Entrepreneurship
MGMT 115	Management Principles
MGMT 116	Business Management
MGMT 189	Managerial Skills
SUPR 115	Supervisory Skills

Leadership for Safety Professionals
Applied Certificate

Location

- Online/Distance

Start date

Varies

Duration

- Varies by course

Admission requirements

- Open Access

Note: You do not apply or have admission requirements assessed for this program. You take courses through Continuing Education. Once you have successfully completed all the courses in the program, simply apply to graduate.

Program overview

Sask Polytech recognizes the need to provide safety focused training that builds leadership capacity with a safety, administration, and site management perspective. The Leadership for Safety Excellence applied certificate is made up of 8 courses (240 hours) and students who complete the 6 courses in the Leadership Skills certificate of achievement first will be eligible for dual credentials.

Safety in the workplace requires leadership and an understanding of the importance of administrators, employers and workers roles and responsibilities. Communication, evaluation of workplace hazards, inspections, incident investigation, a safe workplace culture, and leadership are all essential components to ensure that every team member goes home safe at the end of their workday. The leadership for Safety Excellence applied certificate courses build on the six courses in the Leadership Skills certificate of achievement with an additional 60 hours.

The learning path to receive dual credentials in the Leadership Skills program is to take the first six courses in the Leadership Skills certificate of achievement (LEAD 115, MGMT 115, SUPR 115, LEAD 116, MGMT 116 and MGMT 189) and apply to graduate with the certificate of achievement prior to taking the Leadership for Safety Excellence applied certificate courses (LEAD 121 and LEAD 122). Only taking the courses using this learning path will allow you to be eligible for the Leadership Skills certificate of achievement and the Leadership in Safety Excellence applied certificate. You can take all 8 courses in any order and be eligible to graduate with the Leadership for Safety Excellence applied certificate.

Career Opportunities

Use the Leadership for Safety Excellence applied certificate program to enhance business relationships and open doors to supervisory and management positions. You will find leadership opportunities in every industry, from construction to manufacturing, health to hospitality, IT to professional services. This program is a great opportunity for people in existing management roles to develop and enhance their leadership skills. Typical job titles vary by industry, but include lead hand, team lead, sales supervisor, shift manager, site manager, operations managers, general manager and more. Whether you are wanting to move into or are currently in a leadership role, learn with us and we will bring out the leader in you!

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

LEAD 115	Leadership Principles
LEAD 116	Coaching and Teambuilding for Leaders
LEAD 121	Leadership for Safety and Site Management
LEAD 122	Safety Administration
MGMT 115	Management Principles
MGMT 116	Business Management
MGMT 189	Managerial Skills
SUPR 115	Supervisory Skills

Leadership Skills
Certificate of Achievement

Location

- Online/Distance

Start date

- Varies by course

For more information, contact Karla Elliott at 306-659-4638 or leadershipskills@saskpolytech.ca

Duration

- 180 hours

Admission requirements

- Grade 10 (with a recommended minimum two years of experience working in an industrial setting)

Note: Students do not apply to the program but take courses part time and apply to graduate once all courses are completed.

Program overview

Leadership skills are in demand in every industry and every sector--construction, health, IT, hospitality, public service, business and more. Sask Polytech's online Leadership Skills program gives you the tools you need to become a successful leader in your field.

The program includes six courses--all offered through online distance learning. You'll join a virtual class and share your learning experience with classmates from coast to coast. The program focuses on building practical skills. You'll use real life case studies and interactive content to learn what makes some leaders so effective and what leadership and management styles work best in different situations.

Develop practical skills in coaching and teambuilding. Come up with solutions to specific situations and challenges. Build your understanding of business structure and financial management. Learn the fundamentals of supervision, including effective communication, working with groups and how to manage change. Apply what you learn on the job right now, or use your skills to grow into supervisory, team leadership and management roles.

Accreditation

All six Leadership Skills courses are accredited by the Canadian Construction Association toward the Gold Seal designation.

Employers

The Leadership Skills program may qualify for the Canada-Saskatchewan Job Grant, which provides employers with funding to train new or existing employees to meet skill requirements for available jobs. See Canada-Saskatchewan Job Grant.

Career Opportunities

Use the Leadership Skills program to open doors to supervisory and management positions. You'll find leadership opportunities in every industry, from construction to manufacturing, health to hospitality, IT to professional services. Typical job titles vary by industry, but include lead hand, team lead, sales supervisor, shift manager, site manager, operations managers, general manager and more.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

LEAD 115	Leadership Principles
LEAD 116	Coaching and Teambuilding for Leaders
MGMT 115	Management Principles
MGMT 116	Business Management
MGMT 189	Managerial Skills
SUPR 115	Supervisory Skills

School of Health Sciences

Advanced Care Paramedic
Diploma

Location

- Regina
- Saskatoon

Start date

September

Duration

- 71 weeks

Admission requirements

- Primary Care Paramedic certification from an accredited program or equivalent
- Registered as a PCP of the 2011 National Occupational Competency Profile for Paramedics training (Paramedic Association of Canada, 2011) *
- International Trauma Life Support (ITLS) Provider certificate
- Basic Life Support Provider (former CPR Health Care Provider 'C' AED) or equivalent
- English Language Requirement

* Evidence of verification may include one of the following:

- a Saskatchewan Polytechnic transcript indicating successful completion of all Primary Care Paramedic courses implemented during the 2013-2014 academic year or later;
- a Saskatchewan Polytechnic transcript indicating successful completion of Primary Care Paramedic Upgrade (EMER 1638);
- a valid Saskatchewan College of Paramedics licence indicating unrestricted practice of 2011 National Occupational Competency Profile at the Primary Care Paramedic level

Non-Saskatchewan Polytechnic graduates are granted admission to this program on a case-by-case basis.

Note

- Accepted applicants will be required to provide evidence of a Criminal Record Check and Vulnerable Sector Search upon admission to the program. At the discretion of the practicum/clinical agency, you may be declined access to a clinical/practicum based on the contents of the Criminal Record Check and Vulnerable Sector Search. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- Accepted applicants are required to provide evidence of Transferring Lifting Repositioning (TLR®) or Transferring Lifting Repositioning (TLR®) Emergency Medical Services (EMS) certification prior to entry into clinical/practicum
- Accepted applicants are required to provide current immunization records and meet Saskatchewan Polytechnic immunization requirements prior to entry into clinical/practicum
- Accepted applicants are required to provide evidence of current N95 respirator mask testing prior to entry into the clinical practicum. The cost of N95 respirator mask testing is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

Program overview

If you're a primary care paramedic who wants to enhance your skills, career mobility and earning power, Saskatchewan Polytechnic's nationally recognized Advanced Care Paramedic (ACP) program will be of interest to you. More in-depth knowledge and training means you'll be able to administer a greater range of medications and perform life-saving interventions.

The Advanced Care Paramedic program also positions you for leadership roles in a growing number of settings. ACPs are in high demand in traditional emergency medical services, collaborative emergency centres, and industrial and community settings.

Advanced Care Paramedic is a two-year diploma program offered through Saskatchewan Polytechnic Regina campus and Saskatoon campus. The program builds on the Primary Care Paramedic program. You'll get advanced training in recognizing and managing medical and trauma emergencies, particularly neonatal, pediatric and geriatric. You'll focus on:

- anatomy, pathophysiology, physiology, pharmacology
- body system assessments
- critical thinking and decision making
- certifications in:
  - Advanced Cardiac Life Support (ACLS)
  - Advanced International Trauma Life Support (ITLS)
  - Difficult Airway Course (DAC)
  - Neonatal Resuscitation Program (NRP)
  - Pediatric Advanced Life Support (PALS)
  - The Working Mind (TWM - formerly Road to Mental Readiness)

Highlights of the Program

- Flexible delivery options – You'll have the ability to attend lectures either in-person, virtually, or asynchronously. Use of iSimulate technology to enhance retention of knowledge and flexibility to practice virtually. The option to learn, study and participate in the program from where you live or on campus

based on your needs. There are 50 mandatory evaluation dates spread throughout the program with the ability to attend up to 165 days.
- Hands-on Learning – When you are on-site, your learning will focus on hands-on learning and you will apply your skills in a practical setting.
- Lab and Simulation Training - You'll use Saskatchewan Polytechnic's state-of-the-art lab and high-fidelity simulation facilities to apply your in-depth knowledge to real-world scenarios.
- Field Practicums - You'll work with an ACP preceptor in two supervised field practicums to hone your critical thinking and decision-making skills, and to strengthen your delegation and leadership skills.
- Clinical Practicums - Hone your assessment, management and communication skills during two hospital-based practicums. You'll get real-world experience in specialized areas, including emergency departments, operating rooms, and labour and delivery.
- Inter-professional Education - In order to prepare you for an integrated role within the health care team, you will have the opportunity to work with students from other programs within the School of Health Sciences and the School of Nursing. Learning activities are designed using a problem-based learning (PBL) model and include high-fidelity simulations, interactive case-based table-top exercises, and collaborative skill acquisition.

Career Opportunities

Take your career (and your earning power) to the next level as an advanced care paramedic in emergency medical services, including fire, ambulance, and various aeromedical roles. Take a leadership role on emergency response teams at industrial facilities or mine sites. Take advantage of emerging career opportunities in collaborative emergency centres and in the community.

Do you need help deciding if these careers could be a good fit for you? Contact Career Counselling Services or check out the Saskatchewan College of Paramedics job postings.

Do you already know this is the program you want to take but need more detailed information or help applying? Connect with a Recruitment Advisor.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

APHY 170	Advanced Human Anatomy and Physiology
BIOL 102	Anatomy and Physiology 1
BIOL 103	Anatomy and Physiology 2
EMER 117	Introduction to Advanced Care Paramedic
LEAD 100	Leadership and Professionalism
PHAR 103	Pharmacology
SOCI 171	Culture and Diversity in Canadian Society
TCOM 102	Workplace Communication

Year 1 - Semester 2

EMER 118	Advanced Respiratory Care
EMER 119	Advanced Airway Management
EMER 121	Advanced Cardiac Care
EMER 159	Patient Management and Integration 1
EMER 175	Medical 1
FTNS 162	Personal Wellness
PATH 100	Pathophysiology 1

Year 1 - Semester 3

EMER 120	Reflective Practitioner Project
PRAC 109	Clinical Practicum 1

Year 2 - Semester 4

EMER 201	Obstetrics and Neonatal Care
EMER 202	Medical 2
EMER 203	Medical 3
EMER 204	Pediatric Care
EMER 205	Advanced Trauma Care
EMER 281	Patient Management and Integration 2
PATH 200	Pathophysiology 2

Year 2 - Semester 5

PRAC 212	Field Practicum
PRAC 213	Clinical Practicum 2

Combined Laboratory and X-Ray Technology

Advanced Diploma

Location

- Saskatoon

Start date

January

Duration

- 97 weeks

Admission requirements

- Grade 12 with a minimum grade of 70% in English Language Arts A30, English Language Arts B30, Foundations of Math 30 or Pre-Calculus 30*, Physical Science 20*, Chemistry 30 and Biology 30
- English Language Requirement (see Program-Specific ELP Requirements section)

***Previous Saskatchewan mathematics and physics requirements also accepted:**

- Minimum of 70% in Math B30
- Minimum of 70% in Physics 20

Note

- Physics 30 will not be substituted for Physical Science 20 or Physics 20.
- Accepted applicants will be required to provide evidence of a Criminal Record Check and Vulnerable Sector Search upon admission into the program. At the discretion of the practicum agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check and Vulnerable Sector Search. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- Accepted applicants are required to provide current immunization records and meet Saskatchewan Polytechnic immunization requirements prior to entry into clinical practicum.
- All applicants are required to complete and submit their Essay of Traits by March 1.
- Effective for the application period October 1, 2023, to February 15, 2024, all applicants must register for their Acuilty Insights Situational Assessment no later than February 15. All applicants must complete their Situational Assessment no later than March 1.

(Note: specific dates available for your program can be found by browsing Test Dates and Times onAcuity Insights). The cost of the Situational Assessment is your responsibility.

- Accepted applicants are required to provide evidence of current N95 respirator mask testing prior to the start of clinical practicums as directed by the program. N95 respirator mask testing is valid for two (2) years from the date of completion. Retesting may be required during your studies. The cost of N95 respirator mask testing is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility. Register for WHMIS.
- Accepted applicants will be required to provide evidence of Transferring Lifting Repositioning (TLR®) certification or Safe Moving and Repositioning Techniques (SMART®) certification upon admission to the program. TLR® or SMART® certification is valid for three (3) years from the date of completion. Recertification may be required during your studies. The cost of TLR® or SMART® certification is your responsibility. Register for TLR.

Program overview

Please Note: The Combined Laboratory and X-Ray Technology program is subject to the competitive admission process, and the application period is now closed.

It opens for application on October 1, and closes on February 15, each academic year. On February 15, paper applications are accepted until 4:30 p.m., and online applications are accepted until 11:59 p.m. (Saskatchewan times). All supporting documentation is required by 4:30 p.m. (Saskatchewan time) on March 1.

The September 2023 intake is cancelled. Those who applied for the diploma program for the September 2023 intake, will be transferred to the advanced diploma program for the January 2024 intake.

If you're interested in a career in health care - one that lets you work in rural communities and offers excellent earning potential - Saskatchewan Polytechnic's Combined Laboratory and X-Ray Technology program will interest you.

Combined laboratory and X-ray technologists (CLXTs) are unique. You're trained in medical laboratory, X-ray procedures and electrocardiography, so you need to be comfortable working with medical imaging and laboratory equipment. But you also need to be comfortable working with people because positioning and touching patients, as well as talking with them, is an important part of your job.

International applicants are not currently considered for admission to this program.

The Combined Laboratory and X-Ray Technology program is a two-and-a-half-year advanced diploma program offered at Saskatchewan Polytechnic, Saskatoon Campus, Idylwyld Dr. You'll develop the knowledge and skills you need to perform laboratory tests, general radiography and electrocardiograms. Your studies will focus on:

- anatomy and physiology
- clinical chemistry, hematology, urinalysis
- electrocardiography
- image acquisition
- laboratory procedures and quality management
- lab result correlation
- patient care
- radiographic procedures

Being a CLXT demands high standards and good empathy, so Saskatchewan Polytechnic also helps build professional skills such as teamwork, problem-solving and communication. When you graduate, you'll be eligible to work as a CLXT and apply for membership in the Saskatchewan Association of Combined Laboratory and X-Ray Technicians (SACLXT).

Extensive Hands-On Learning

Saskatchewan Polytechnic uses hands-on learning to help you build your knowledge and skills. You will participate in clinical practicum experiences in hospitals, clinics and laboratories around the province, including placements in different settings to gain specific skills and technical competence.

Diploma to Degree

Advanced Diploma graduates are eligible to take the Bachelor of Applied Management degree right here at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Use your Combined Laboratory and X-Ray Technology advanced diploma to ladder into a degree program at Athabasca University (Alberta). A degree is usually required if you are interested in moving into management or teaching positions.

Career Opportunities

Combined laboratory and X-ray technologists are professionals designed to fill the needs in rural hospitals and smaller communities (typically less than 10,000 people). Smaller rural communities will allow graduates to use all of their training and skills. Some CLXT graduates do find work in private urban clinics but will often use less of their overall training. In rural hospitals and health centres, you'll use the full range of your skills and play an integral role on health care teams.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Combined Lab &X-Ray Yr 1 Sem 1

APHY 103	Introduction to Anatomy and Physiology
ETHC 101	Professionalism in Health Care
INFC 180	Infection Control and Safety
MTER 180	Medical Terminology
PROC 180	General Laboratory Practice
PROC 185	Laboratory Specimen Procurement
QC 101	Quality Management
RSAP 101	Radiation Science 1

Combined Lab &X-Ray Yr 1 Sem 2

CHEM 110	Clinical Chemistry 1
CHEM 111	Clinical Chemistry 1 (Lab)
RGAN 101	Radiographic Anatomy
RSAP 102	Radiation Science 2

Year 2 - Semester 3

CHEM 210	Clinical Chemistry 2
ECRD 180	Electrocardiography
HEMA 110	Hematology Procedures
IMMU 183	Immunology
MGMT 109	Patient Management 1
RDGR 179	Radiographic Positioning and Critique 1 (Theory and Lab)
RSAP 103	Radiation Science 3

Year 2 - Semester 4

CHEM 211	Chemistry Result Correlation
HEMA 210	Hematology Evaluate Peripheral Blood Smears
HEMA 211	Hemostasis
PATH 203	Pathophysiology
RDGR 180	Radiographic Positioning and Critique 2 (Theory and Lab)
SOCI 101	Cultural and Indigenous Awareness in Health Care

Year 2 - Semester 5

PSYC 104	Psychology of Health and Wellness Management
RDGR 203	Adaptive Radiography
RDGR 204	Advanced Image Critique

Year 3

CLIN 190	Clinical Radiography
CLIN 193	Clinical Laboratory
EDUC 303	Competency Development
EDUC 304	Competency Maintenance
IPE 100	Interprofessional Education
RSCH 280	Intro to Research
SIMU 280	Practical Skills and Simulation
TRFS 301	Blood Product Management

Community Paramedic

Advanced Certificate

Location

- Online/Distance
- Saskatoon

Start date

September

Duration

- 30 weeks

Admission requirements

- Current Paramedic Licence
- Primary Care Paramedic or Advanced Care Paramedic certification from an accredited program or equivalent

- Verification of 2011 National Occupational Competency Profile for Paramedics training (Paramedic Association of Canada, 2011) *
- Minimum two years work-related experience (you must provide verification of your work experience)

- English Language Requirement

* Evidence of verification may include one of the following:

- a Saskatchewan Polytechnic transcript indicating successful completion of all Primary Care Paramedic courses implemented during the 2013-2014 academic year or later;
- a Saskatchewan Polytechnic transcript indicating successful completion of Primary Care Paramedic Upgrade (EMER 1638);
- a valid Saskatchewan College of Paramedics licence indicating unrestricted practice of 2011 National Occupational Competency Profile at the Primary Care Paramedic level.

Note: Non-Saskatchewan Polytechnic graduates will be granted admission to this program on a case-by-case basis.

Program overview

Our communities are experiencing increasing demand on health-care services where residents have limited access to the services required. That's where the community paramedic comes in. Community paramedics use their mobile care response skills to bring services to members of the community who may not be able to access available services otherwise. They work collaboratively with health-care professionals in the community to provide faster and more efficient health-care services.

The Community Paramedic advanced certificate program will enhance your training as a primary care or advanced care paramedic to focus on prevention, client education, geriatrics, palliative care, mental health and addictions, and chronic disease management. It builds on the on-site response expertise you have already obtained so you can apply it to caring for patients in their homes and community.

Community Paramedic is a 30-week program offered via a combination of online learning and hands-on lab and clinical practice experiences through Saskatchewan Polytechnic Saskatoon Campus. On-site labs and community-based clinical experiences will enable you to apply the knowledge, theory and skills you acquire in a variety of environments. You will spend 53 hours in hands-on, practical labs building your competency in specialized skills. During a clinical practicum, you will be able to use these skills in the real world. Your practicum may be completed in a variety of settings such as long-term care, mental health, community clinics and more.

Career Opportunities

Community paramedic is a rewarding career with an expanding range of job opportunities. Graduates from the program may be employed by ambulance services or health authorities. Roles can include opportunities in collaborative emergency centres, mobile health units and community services.

Do you need help deciding if these careers could be a good fit for you? Contact Career Counselling Services or check out the Saskatchewan College of Paramedics job postings.

Do you already know this is the program you want to take but need more detailed information or help applying? Connect with a Recruitment Advisor.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

GERI 100	Geriatric Care
HLTH 100	Specialized Therapeutics
HLTH 101	Chronic Disease Management
HLTH 102	Community Paramedic Role and Prevention Strategies
HLTH 103	Community Assessment
MHA 100	Mental Health and Addictions
PALL 100	Palliative Care

Semester 2

PRAC 113	Community Paramedic Practicum

Cytotechnology

Diploma

Location

- Saskatoon

Start date

- September

Duration

- 86 weeks:
  - Year 1 - 41 weeks; Year 2 - 45 weeks

Admission requirements

- Grade 12 with English Language Arts A30, English Language Arts B30, Foundations of Math 30 or Pre-Calculus 30*, Physical Science 20*, Chemistry 30 and Biology 30
- Minimum of 70% in Foundations of Math 30 or Pre-Calculus 30 and each science
- English Language Requirement (see Program-Specific ELP Requirements section)

***Previous Saskatchewan mathematics and physics requirements also accepted:**

- Minimum of 70% in Math B30
- Minimum of 70% in Physics 20

Note

- Physics 30 will not be substituted for Physical Science 20 or Physics 20.
- Accepted applicants will be required to provide evidence of a Criminal Record Check and Vulnerable Sector Search upon admission into the program. At the discretion of the practicum agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check and Vulnerable Sector Search. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- Accepted applicants are required to provide current immunization records and meet Saskatchewan Polytechnic immunization requirements prior to entry into clinical practicum.
- You must attend an informational meeting with program personnel.
- Accepted applicants are required to provide evidence of current N95 respirator mask testing prior to start of clinical practicums as directed by the program. N95 respirator mask testing is valid for two (2) years from the date of completion. Retesting may be required during your studies. The cost of N95 respirator mask testing is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility. Register for WHMIS.
- Accepted applicants will be required to provide evidence of Transferring Lifting Repositioning (TLR®) Object Moving certification or Safe Moving and Repositioning Techniques (SMART®) certification upon admission to the program. TLR® or SMART® certification is valid for three (3) years from the date of completion. Recertification may be required during your studies. The cost of TLR® or SMART® certification is your responsibility. Register for TLR.

Program overview

Note: Delivery of this program is suspended for 2022-2023 and 2023-2024.

Cytotechnology is the microscopic study of cells for disease, and cytotechnologists are its trained practitioners. They are front-line investigators who use their skills to help health care teams solve complex puzzles of disease and illness.

International applicants are not currently considered for admission to this program.

Saskatchewan Polytechnic's nationally accredited two-year Cytotechnology diploma program emphasizes a hands-on approach to learning. You'll develop the knowledge and skill necessary to diagnose disease by identifying alterations in cell morphology (forms).

Your studies will focus on:

- introductory anatomy, physiology and molecular biology
- gynecologic, respiratory and aspiration cytopathology
- hematology
- immunology

First-year classroom learning is augmented by lab work, where you will learn to perform basic procedures and begin developing your detection skills. During your 46 weeks of clinical experience, you will participate in six separate practicums, each focused on building your knowledge and skills in specific areas and techniques.

Diploma to Degree

Diploma graduates are eligible to take the Bachelor of Applied Management degree right here at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Use your Cytotechnolgy diploma to ladder into a degree program at Athabasca University (Alberta). A degree is usually required if you are interested in moving into management or teaching positions.

How does it fit?

Cytotechnologists are natural scientists - people who are curious about the human body and enjoy using microscopes to explore its inner workings. Cytotechnology is a profession that demands a high degree of accuracy, strong decision-making skills and the ability to take responsibility for your work.

Career Opportunities

Graduates certified by the Canadian Society for Medical Laboratory Science can work anywhere in Canada. Most cytotechnologists work in hospital or private clinical laboratories in large urban centres.

Day-to-day responsibilities generally include preparing slides for microscopic examination; evaluating cells for the presence of cancer, precancerous changes or infection and providing interpretations to pathologists. Your interests could also take you in a different direction - to a career in education or sales, for example.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at

https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1

APHY 191	Anatomy and Physiology 1
APHY 282	Anatomy and Physiology 2
BIOL 181	Molecular Biology
CLIN 292	Clinical Molecular Biology
CYTO 180	Gynecologic Cytology Theory 1
CYTO 181	Gynecologic Cytology Lab 1
CYTO 182	Respiratory Cytology 1
CYTO 184	Aspiration Cytology 1
CYTO 280	Gynecologic Cytology Theory 2
CYTO 281	Gynecologic Cytology Lab 2
CYTO 282	Respiratory Cytology 2
CYTO 283	Aspiration Cytology 2
CYTO 286	Body Fluid Analysis
CYTO 287	Gastrointestinal Cytology
ETHC 185	Professional Practices 1
ETHC 280	Professional Practices 2
HEMA 191	Fundamental Hemopathology
HSTC 184	Microanatomy
HSTC 185	Histotechnology 1
HSTC 187	Histotechnology 2
IMMU 183	Immunology
INFC 180	Infection Control and Safety
MTER 180	Medical Terminology
PATH 185	Introductory Cytopathology 1
PATH 280	Introductory Cytopathology 2
PATH 281	Introductory Cytopathology 3
PROC 182	Cytology Lab Procedures
SIMU 282	Simulation Laboratory

Year 2

CLIN 287	Clinical Histotechnology
PRAC 291	Cytology Practicum 1
PRAC 292	Cytology Practicum 2
PRAC 294	Cytology Practicum 3
PRAC 295	Cytology Practicum 4

Note: Labs, projects and practicums are used to actively involve you in the learning process and allow you to apply learned theory as you develop your skills.

Dental Assisting

Certificate

Location

- Online/Distance
- Regina

Start date

- August

Duration

- 40 weeks

Admission requirements

- Grade 12 with a minimum overall average of 65% in English Language Arts A30, English Language Arts B30, Biology 30, and the highest grade in either Foundations of Math 20, Foundations of Math 30, or Pre-Calculus 30* (For Special Admission purposes, Grade 12, or GED, or equivalent is required in addition to ACCUPLACER)
- Effective September 2024: Grade 12 with a minimum of 70% in Biology 30 and a minimum overall average of 70% in English Language Arts A30, English Language Arts B30, Biology 30, and the highest grade in either Foundations of Math 20, Foundations of Math 30, or Pre-Calculus 30* (For Special Admission purposes, Grade 12, or GED, or equivalent is required in addition to ACCUPLACER).
- English Language Requirement

Note

- Standard First Aid and CPR Heartsaver "C" AED or equivalent are required prior to entry into the Dental Assisting program and must be current to the year of the program.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

***Previous Saskatchewan mathematics requirement also accepted:**

- Highest grade in a 20 or 30 level math

Program overview

Dental assistants play many roles, from chair-side assisting to client education to office reception. It's a client-focused, team-based work environment. This makes attention to detail, commitment to high standards, good decision-making skills and good communication skills a must.

As part of a dental team, you'll assist dentists, dental hygienists and dental therapists in the provision of quality care either in private dental practices or in various community-based settings such as health care or educational institutions.

Note

International applicants are not currently considered for admission to this program.

Sask Polytech's nationally accredited, one-year Dental Assisting certificate program is offered at Saskatchewan Polytechnic, Regina Campus. You'll learn from experienced instructors using up-to-date dental equipment and techniques. You'll develop knowledge and skills in:

- providing chair-side support for diagnostic, assessment, restorative and specialty procedures
- performing intra-oral procedures as specified by Saskatchewan legislation
- performing business and reception procedures
- counselling patients in regard to maintaining oral health

Real-World Training

Hands-on learning in the dental clinic at the Regina campus is a highlight of the program. The clinic gives you a chance to gain clinical experience each week practicing your skills and building your confidence under the supervision of licensed professionals. You'll also participate in four weeks of clinical experiences, each one giving you on-the-ground training in an actual dental practice.

Career Opportunities

When you graduate, you'll be qualified to work in many different settings including private dental offices, community health clinics, educational facilities, health care institutions and insurance and dental supply companies.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

APHY 160	Essentials of Human Anatomy and Physiology
DENT 159	Preventive Dentistry and Nutrition
DENT 166	Oral Embryology, Histology and Anatomy
DNTL 167	Infection Prevention & Control
DNTL 168	Moisture Control
DNTL 169	Permanent Restorative Procedures
DNTL 171	Dental Restorative Materials
DNTL 172	Clinical Foundations
DNTL 173	Fundamentals of Dental Assisting
RDGR 161	Radiography 1

Semester 2

CLIN 110	Clinical Dental Assisting Practice 1
DENT 282	Dental Specialties
DNTL 174	Dental Communication and Practice Management
DNTL 261	Preventive Dentistry
DNTL 262	Client Care Procedures
PATH 262	General/Oral Pathology and Pharmacology
PRAC 115	Dental Assisting Practicum 1
RDGR 162	Radiography 2

Semester 3

CLIN 111	Clinical Dental Assisting Practice 2
DENT 180	Dental Technology
DNTL 175	Provisional Prosthodontic Procedures
PRAC 274	Dental Assisting Practicum 2
PRAC 275	Dental Assisting Practicum 3
RDGR 163	Radiography 3

Dental Hygiene

Advanced Diploma

Location

- Regina

Start date

- September

Duration

- 120 weeks
  - Year 1 - 40 weeks; Year 2 - 40 weeks; Year 3 - 40 weeks

Admission requirements

- Grade 12 with a minimum overall average of 70% in English Language Arts A30, English Language Arts B30, Biology 30, Chemistry 30, and one of Foundations of Mathematics 30 or Pre-Calculus 30*
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

- One of Math A30, B30, C30, or Calculus 30

Note

- Standard First Aid and CPR Heartsaver 'C' AED or equivalent are required prior to entry into the Dental Hygiene program and must be current to the year of the program.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

Program overview

Please Note: The Dental Hygiene program is subject to the competitive admission process, and the application period is now closed.

It opens for application on October 1, and closes on February 15, each academic year. On February 15, paper applications are accepted until 4:30 p.m., and online applications are accepted until 11:59 p.m. (Saskatchewan times). All supporting

documentation is required by 4:30 p.m. (Saskatchewan time) on March 1.

As a dental hygienist, it's your job to provide preventive, educational and therapeutic dental hygiene services to a wide range of clients - from the very young to the very old. Whether you work in a private dental practice or for a health district, in an educational system or for a government agency, you'll need excellent manual dexterity and good people skills.

Problem solving and critical thinking skills are vital, because a big part of your job is effectively assessing clients and providing treatment plans. Lifelong learning is also important, because you'll participate in continuing education to stay abreast of changes in technology and techniques.

International applicants are not currently considered for admission to this competitive program.

Dental Hygiene is a nationally accredited three-year advanced diploma program offered at Saskatchewan Polytechnic, Regina Campus. Classroom and lab work combined with clinical experiences and health promotion activities prepare you to deliver a high standard of service in assessment, diagnosis, planning, implementation and evaluation of dental hygiene care. Your studies will focus on:

- oral health education and promotion
- clinical practice
- provision of ethical and professional dental hygiene care

Hands-On Learning in Our Dental Clinic

Hands-on learning in the dental clinic at Saskatchewan Polytechnic, Regina Campus is a great way to integrate classroom learning with real-world practice. Under the supervision of licensed dentists and dental hygienists, you will receive first-hand experience in providing comprehensive dental hygiene care including assessment of oral health, instruction in oral self-care, exposing dental X-rays and more.

Diploma to Degree

Ladder your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

This Saskatchewan Polytechnic advanced diploma program will also allow graduates to access one-year Dental Hygiene degree completion programs offered by Dental Hygiene baccalaureate programs.

Career Opportunities

Dental hygienists work in both public and private sectors. General dental practices are major employers, but there also are job opportunities in specialized dental practices, community clinics, health care institutions, educational facilities and government agencies.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

ANAT 163	Dental Anatomy
BIOL 100	Human Anatomy and Physiology 1
CHEM 102	General Chemistry 1
ENGL 101	Critical Reading and Writing
PSYC 102	Introduction to Psychology 1
STAT 100	Introductory Statistics

Year 1 - Semester 2

BIOL 101	Human Anatomy and Physiology 2
CHEM 103	General Chemistry 2
ENGL 102	Literature Survey
MICR 261	Microbiology
PSYC 103	Introduction to Psychology 2
SOCI 171	Culture and Diversity in Canadian Society

Year 1 - Semester 3

ANAT 164	Embryology and Histology
DENT 164	Preventive Dentistry 1
DHYG 101	Introduction to the Dental Hygiene Profession
NUTR 201	Nutrition

Year 2 - Semester 4

ANAT 166	Anatomy and Physiology of the Head and Neck
DENT 262	Preventive Dentistry 2
DHYG 157	Dental Hygiene Fundamentals 1
DHYG 161	Health and Safety in the Dental Environment
DHYG 164	Assessment 1
DHYG 257	Dental Hygiene Fundamentals 2
RDGR 267	Radiology Theory

Year 2 - Semester 5

DENT 200	Dental Specialties 1
DENT 263	Periodontology 1
DHYG 165	Preventive Techniques
DHYG 200	Introduction to Clinical Dental Hygiene
DHYG 256	Assessment 2
HLTH 262	Community Oral Health 1
PATH 268	General Pathology
RDGR 268	Dental Imaging Techniques

Year 2 - Semester 6

DHYG 201	Clinical Dental Hygiene 1
DHYG 258	Care Planning for Clinical Dental Hygiene
DHYG 259	Dental Hygiene Fundamentals 3
PHAR 266	Pharmacology

Year 3 - Semester 7

ANES 262	Local Anesthesia

DENT 165	Dental Technology
DENT 267	Periodontology 2
DHYG 276	Clinical Dental Hygiene 2
DHYG 279	Clinical Integration 1
HLTH 274	Community Oral Health 2
PATH 269	Oral Pathology

Year 3 - Semester 8

DENT 269	Dental Specialties 2
DHYG 277	Clinical Dental Hygiene 3
DHYG 281	Clinical Integration 2
HLTH 275	Community Oral Health Projects

Year 3 - Semester 9

DHYG 278	Clinical Dental Hygiene 4
DHYG 282	Clinical Integration 3

Health Information Management
Diploma

Location

- Online/Distance

Start date

- Full-time studies (over 2 years) - September to June (71 weeks)
- Part-time studies (over 3, 4, or 5 years) - start your studies with general courses in any term and then join the HIM studies in September

Duration

- You can complete your studies in HIM over 2, 3, 4 or 5 years. If you choose to complete the program in 2 years, it is recommended that you study full-time and are not employed during this timeframe. Completion requires 71 weeks (121 credits and 1815 hours) of study. Please contact our office at 1-306-775-7639 for more information about start dates and study options.

Admission requirements

- Grade 12 with a minimum overall average of 70% in the following subjects: English Language Arts A30, English Language Arts B30, Foundations of Math 30 or Pre-Calculus 30*, one 30-level science (one of Biology, Chemistry or Physics)
- Minimum keyboarding speed of 30 words per minute with 90% accuracy (5-minute testing report to be submitted with transcripts). (Testing is available through a Saskatchewan Polytechnic Test Centre).
- English Language Requirement for Health Information Management (See program-specific ELP)

Note

- Accepted applicants will be required to provide evidence of a Criminal Record Check upon admission into the program. At the discretion of the practicum/clinical agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check. The cost of the Criminal Record Check is your responsibility.
- Practicum placements are located throughout Saskatchewan or in a student's home province; therefore, all students must be willing to relocate in order to complete their practicum experiences.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

***Previous Saskatchewan mathematics requirement also accepted:**

- one 30-level math

Program overview

Health Information Management (HIM) professionals connect the worlds of health and data and ensure we accurately tell the health story of each patient. The importance of quality health information to make crucial decisions is ever present for health care professionals and leaders. Society is dependent on health information to guide many aspects of our daily lives. Our HIM program will prepare you with the skills and knowledge to be at the forefront of managing critical health information.

HIMs work in a variety of settings. They are leaders of healthcare teams and work as practitioners, coordinators or analysts within health authorities, cancer and government agencies. They work as privacy and informatics analysts, in educational settings, and in public health surveillance. This unique skill set can also open doors to roles with police forces, law, insurance and pharmaceutical firms.

Specific competencies that you will develop through the program include:

- Data collection and coding;
- Electronic health information management;
- Information privacy, security and confidentiality;
- Interpretation and analysis of health data;
- Access to and protection of health information; and
- Record and systems management.

Delivery Format

Health Information Management is a nationally accredited two-year diploma program offered in a hybrid model. Theory components of your program will be delivered virtually and you'll have many opportunities to connect with faculty and other students. You will participate in courses via your computer at a scheduled time of day, and/or pick up the lecture via a video link at your convenience. Your

assignments will involve you working at home as individuals or in teams.

The program is designed in a flexible format to allow you to meet your own professional and personal goals. You can join us for a full-time schedule of classes and complete the program in two years, or you can choose a path to complete your studies in three, four, or five years. Our team is there to guide you along your journey and to assist you with designing the course plan that works for you.

Applied Learning

Applied hands-on learning is the cornerstone of Saskatchewan Polytechnic's vision for education and allows you to hone the skills you've learned throughout the HIM program. Our partners in industry are excited to work with and mentor our students and you'll work on projects with them, gain real world experience and make important industry connections. We work with employers (where you live) to allow you to complete these experiences as part of your studies. At times some travel or a virtual experience is needed, but whenever possible we work with you to create engaging and on-site practice experiences.

Diploma to Degree

Ladder your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Your HIM diploma is a great start in your life-long learning journey and allows you to transfer into a variety of degree programs and to be considered for the graduate studies at the Johnson-Shoyama Graduate School of Public Policy.

Get More Information

Learn more about this program and career at the Health Information Management (HIM) program virtual information sessions. These sessions are for anyone interested in learning more about the HIM program and anyone who has applied to the HIM program. Students who are newly accepted into the program are invited to attend a New Student Information Session on May 9, 2023, to learn more about what to expect as a student. This recorded session is available on the HIM Brightspace page for accepted students.

Career Opportunities

Health Information Management graduates work as information management practitioners, coordinators and analysts in many different areas of health care including hospital admitting, quality management, research and statistics, information systems, utilization management and risk management. Look for positions with health regions, government agencies, community clinics, long-term care facilities, home care agencies and mental health or outreach programs. Or transfer your skill set into other areas such as education, law enforcement, insurance and research.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

APHY 100	Anatomy and Physiology 1
CLIN 101	Clinical - Records Management and Professionalism
CLIN 102	Clinical - Coding 1
COMP 174	Introduction to Microsoft Excel 1
COMP 179	Introduction to PowerPoint
ENGL 101	Critical Reading and Writing
HINF 160	Health Record Systems
MED 161	Medical Terminology
PATH 161	Pathophysiology 1

Year 1 - Semester 2

APHY 200	Anatomy and Physiology 2
CLIN 236	Clinical - Coding 2
CLIN 237	Clinical - Coding 3
COMM 262	Workplace Communication
HINF 161	Health Information Analysis 1
PATH 272	Pathophysiology 2
PATH 273	Pathophysiology 3

Year 1 - Semester 3

PRAC 165	Health Information Practicum 1

Year 2 - Semester 4

COMP 175	Introduction to Microsoft Excel 2
COMP 176	Introduction to Microsoft Access 1
COSC 262	Database Programming
HINF 260	Epidemiology and Population Health
HINF 261	Health Information Analysis 2
HINF 262	Health Care Law and Ethics
HINF 264	Theories and Concepts of Program Management
HINF 265	Health Information Systems
STAT 260	Statistics for Health Sciences

Year 2 - Semester 5

CLIN 288	Clinical - Coding 4
HINF 263	Human Resource Management and the Employee
HINF 266	Health Standards and Informatics
PRAC 262	Health Information Practicum 2

Note: Students must be admitted to the program before taking CLIN 101 or PATH 272.

Medical Laboratory Assistant
Certificate

Location
- Saskatoon

Start date
September

Duration
- 32 weeks

Admission requirements

- 35 words per minute keyboarding speed with 95% accuracy (5-minute testing report to be submitted with transcripts); Testing is available through Saskatchewan Polytechnic Testing Services. A completed Keyboarding Test Results Form must be submitted to Enrolment Services.
- Grade 12 with a minimum grade of 70% in each of English Language Arts A30, English Language Arts B30, Foundations of Math 20 or Foundations of Math 30 or Pre-Calculus 30*, Health Science 20 or Biology 30*, and Physical Science 20 or Chemistry 30*
- English Language Requirement (see Program-Specific ELP Requirements section)

***Previous Saskatchewan biology, chemistry, and mathematics requirements also accepted:**

- Biology 20
- Chemistry 20
- Math 20 or any 30-level math

Note

- Accepted applicants will be required to provide evidence of a Criminal Record Check and Vulnerable Sector Search upon admission into the program. At the discretion of the practicum agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check and Vulnerable Sector Search. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- Accepted applicants are required to provide current immunization records and meet Saskatchewan Polytechnic immunization requirements prior to entry into clinical practicum.
- Accepted applicants are required to provide evidence of current N95 respirator mask testing prior to start of clinical practicums as directed by the program. N95 respirator mask testing is valid for two (2) years from the date of completion. Retesting may be required during your studies. The cost of N95 respirator mask testing is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility. Register for WHMIS.
- Accepted applicants will be required to provide evidence of Transferring Lifting Repositioning (TLR®) Object Moving certification or Safe Moving and Repositioning Techniques (SMART®) certification upon admission to the program. TLR® or SMART® certification is valid for three (3) years from the date of completion. Recertification may be required during your studies. The cost of TLR® or SMART® certification is your responsibility. Register for TLR.

Program overview

Medical laboratory assistants work directly with other health care providers and patients and in the exciting laboratory setting. You collect health information and medical specimens from patients, but you also enter clerical data, process specimens and assist with basic laboratory activities. It's a job that requires good people and communication skills, a professional yet caring attitude and a commitment to teamwork and excellence, as well as attention to detail.

Medical lab assistants are in demand in many areas. Look for jobs in hospitals, community clinics, medical offices, research and pharmaceutical labs, veterinary clinics, chiropractic and physiotherapy offices and more.

International applicants are not currently considered for admission to this program.

Medical Laboratory Assistant is a nationally accredited 32-week certificate program offered at Saskatchewan Polytechnic Saskatoon campus. Some classes are also available through distance education. Labs and clinical experiences are a big part of the program, so expect hands-on training in:

- anatomy and physiology
- basic lab procedures
- histology and cytology
- infection control and safety
- microbiology
- specimen collection and handling

Put Your Learning to Work

You will participate in supervised clinical experiences, for a total of 8 weeks of training. Your clinicals will give you practical experience in a specific area: histology, specimen management, phlebotomy and microbiology. These clinical experiences take place at various sites around the province.

Ladder into a Saskatchewan Polytechnic Diploma

You can transfer several Medical Laboratory Assistant courses into Saskatchewan Polytechnic Health Sciences diploma programs,

including Combined Laboratory and X-Ray Technology, Cytotechnology, Medical Laboratory Technology and Medical Radiologic Technology.

Career Opportunities

As a medical laboratory assistant, you could work in a hospital, community clinic, medical office, research lab, pharmaceutical lab, veterinary clinic, chiropractic and physiotherapy offices and more. Look for job opportunities with regional health districts, government health agencies, educational institutions and private labs.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

APHY 103	Introduction to Anatomy and Physiology
ETHC 101	Professionalism in Health Care
INFC 180	Infection Control and Safety
MICR 111	Introduction to Microbiology
MTER 180	Medical Terminology
PROC 180	General Laboratory Practice
PROC 183	Introduction to Basic Laboratory Procedures
PROC 185	Laboratory Specimen Procurement
PSYC 104	Psychology of Health and Wellness Management
CLIN 112	Clinical Procedures
CLIN 113	Clinical Specimen Procurement and Management
ECRD 180	Electrocardiography
EDUC 100	Competency Development
HSTC 188	Introduction to Histology and Cytology
IPE 100	Interprofessional Education
SIMU 100	Practical Skills and Simulation
SOCI 101	Cultural and Indigenous Awareness in Health Care

Medical Laboratory Technology

Advanced Diploma

Location

- Saskatoon

Start date

- September

Duration

- 104 weeks
  - Year 1 - 41 weeks; Year 2 - 41 weeks; Year 3 - 22 weeks

Admission requirements

- Grade 12 with a minimum grade of 70% in English Language Arts A30, English Language Arts B30, Foundations of Math 30 or Pre-Calculus 30*, Physical Science 20*, Chemistry 30 and Biology 30
- English Language Requirement (see Program-Specific ELP Requirements section)

***Previous Saskatchewan mathematics and physics requirements also accepted:**

- Minimum of 70% in Math B30
- Minimum of 70% in Physics 20

Note

- Physics 30 will not be substituted for Physical Science 20 or Physics 20.
- Accepted applicants will be required to provide evidence of a Criminal Record Check and Vulnerable Sector Search upon admission into the program. At the discretion of the practicum agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check and Vulnerable Sector Search. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- Accepted applicants are required to provide current immunization records and meet Saskatchewan Polytechnic immunization requirements prior to entry into clinical practicum.
- All applicants are required to complete and submit their Essay of Traits by March 1.
- Effective for the application period October 1, 2023, to February 15, 2024, all applicants must register for their Acuity Insights Situational Assessment no later than February 15. All applicants must complete their Situational Assessment no later than March 1. (Note: specific dates available for your program can be found by browsing Test Dates and Times on Acuity Insights). The cost of the Situational Assessment is your responsibility.
- Accepted applicants are required to provide evidence of current N95 respirator mask testing prior to the start of clinical practicums as directed by the program. N95 respirator mask testing is valid for two (2) years from the date of completion. Retesting may be required during your studies. The cost of N95 respirator mask testing is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility. Register for WHMIS.
- Accepted applicants will be required to provide evidence of Transferring Lifting Repositioning (TLR®) Object Moving certification or Safe Moving and Repositioning Techniques (SMART®) certification upon admission to the program. TLR®

or SMART® certification is valid for three (3) years from the date of completion. Recertification may be required during your studies. The cost of TLR® or SMART® certification is your responsibility. Register for TLR.

Program overview

Please Note: Medical Laboratory Technology program is subject to the competitive admission process. An additional application window has opened for the fall 2023 intake. It opens June 26, 2023 and closes July 31, 2023 at 4:30 p.m. NOTE: the required situational assessment dates available for this application process are July 20th; August 8th (applicants are strongly encouraged to register for the July 20th session). Documents are required no later than August 8th. Successful applicants will be offered a seat in August with a program start date of August 28, 2023. See Admission Method for information on how to apply to this program.

Applications for fall 2024 opens on October 1st, and closes on February 15th, each academic year. On February 15th, paper applications are accepted until 4:30 p.m., and online applications are accepted until 11:59 p.m. (Saskatchewan times). All supporting documentation is required by 4:30 p.m. (Saskatchewan time) on March 1.

If you're interested in the science and technology of health care, consider a career as a medical laboratory technologist. It will immerse you in an exciting diagnostic environment, working both independently and as part of a team to perform complex procedures and tests on all types of human specimens. You need to be meticulous, detail-oriented, committed to high standards and have aptitudes for critical thinking as well as math and science. If this sounds like you, check out Saskatchewan Polytechnic's Medical Laboratory Technology program.

Medical Laboratory Technology is a nationally accredited two-and-a-half-year diploma program offered at Saskatchewan Polytechnic in Saskatoon. Experienced instructors guide you through a well-rounded curriculum that includes classroom theory, lab work and actual clinical experiences. You'll learn about:

- clinical chemistry and microbiology
- hematology and hemopathology
- histotechnology and immunology
- laboratory practice
- specimen collection and handling
- transfusion science

Build Practical Skills

Class time is augmented by hands-on training in labs. You will participate in clinical practicum experiences in hospitals and laboratories around the province, including placements in different settings to gain specific laboratory experiences, organizational skills and technical competence.

Diploma to Degree

Leverage your advanced diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Use your Medical Laboratory Technology advanced diploma to ladder into a degree program at the University of Regina or Athabasca University (Alberta). A degree is usually required if you are interested in moving into management or teaching positions.

Nationally Accredited

After graduation, you will write the national Canadian Association of Medical Laboratory Science (CSMLS) certification exam. CSMLS certification allows you to work anywhere in Canada and to become a member of the Saskatchewan Society of Medical Laboratory Technologists (SSMLT), which is a requirement to work in Saskatchewan.

Serve in the Canadian Forces

Saskatchewan Polytechnic's Medical Laboratory Technology program is recognized by the Canadian Armed Forces (CAF), which means you can qualify for full-time subsidized education through their non-commissioned member subsidized training and education plan (NCMSTEP).

Visit https://forces.ca/assets/brochures/paid_education_programs.pdf for more information on paid education programs.

Visit https://forces.ca/en/career/medical-radiation-technologist/ or browse careers.

Career Opportunities

Medical laboratory technologists work for regional health districts, government health agencies, educational institutions and both private and public labs. You could work in a hospital, community clinic, research lab, industrial lab or veterinary clinic.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

APHY 103	Introduction to Anatomy and Physiology
ETHC 101	Professionalism in Health Care
INFC 180	Infection Control and Safety
MTER 180	Medical Terminology
PROC 180	General Laboratory Practice
PROC 185	Laboratory Specimen Procurement

QC 101	Quality Management
SOCI 101	Cultural and Indigenous Awareness in Health Care

Year 1 - Semester 2

BIOL 104	Molecular Diagnostics
CHEM 110	Clinical Chemistry 1
CHEM 111	Clinical Chemistry 1 (Lab)
HEMA 110	Hematology Procedures
HSTC 110	Histotechnology 1
IMMU 183	Immunology
MICR 111	Introduction to Microbiology

Year 1 - Semester 3

CLIN 120	Clinical Specimen Procurement and Management
CLIN 121	Clinical Laboratory Year 1
PSYC 104	Psychology of Health and Wellness Management

Year 2 - Semester 4

CHEM 210	Clinical Chemistry 2
HEMA 210	Hematology Evaluate Peripheral Blood Smears
HEMA 212	Hemostasis Advanced
HSTC 210	Histotechnology 2
MICR 210	Microbiology 1 (Theory)
MICR 211	Microbiology 1 (Lab)
TRFS 201	Transfusion Science

Year 2 - Semester 5

CHEM 211	Chemistry Result Correlation
CHEM 212	Clinical Chemistry 3
HEMA 213	Hematology Pathology
IPE 100	Interprofessional Education
MICR 212	Microbiology 2
RSCH 280	Intro to Research
TRFS 202	Transfusion Science 2 (Theory)
TRFS 203	Transfusion Science 3 (Lab)

Year 2 - Semester 6

EDUC 210	Competency Development
SIMU 201	Microbiology Practical Skills and Simulation
SIMU 202	Hematology Practical Skills and Simulation
SIMU 203	Transfusion Medicine Practical Skills and Simulation
SIMU 204	Clinical Chemistry Practical Skills and Simulation
SIMU 205	Molecular Diagnostics Practical Skills and Simulation
SIMU 206	Histotechnology Practical Skills and Simulation

Year 3

CLIN 310	Clinical Microbiology
CLIN 311	Clinical Hematology
CLIN 312	Clinical Transfusion Science
CLIN 313	Clinical Chemistry 4
CLIN 314	Clinical Histotechnology
EDUC 301	Competency Maintenance

Medical Radiologic Technology

Advanced Diploma

Location

- Saskatoon

Start date

September

Duration

- 96 weeks

Admission requirements

- Grade 12 with a minimum grade of 70% in English Language Arts A30, English Language Arts B30, Foundations of Math 30 or Pre-Calculus 30*, Physical Science 20*, Chemistry 30 and Biology 30
- English Language Requirement (see Program-Specific ELP Requirements section)

***Previous Saskatchewan mathematics and physics requirements also accepted:**

- Minimum of 70% in Math B30
- Minimum of 70% in Physics 20

Note

- Physics 30 will not be substituted for Physical Science 20 or Physics 20.
- Accepted applicants will be required to provide evidence of a Criminal Record Check and Vulnerable Sector Search upon admission into the program. At the discretion of the practicum agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check and Vulnerable Sector Search. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- Accepted applicants are required to provide current immunization records and meet Saskatchewan Polytechnic immunization requirements prior to entry into clinical practicum.
- All applicants are required to complete and submit their Essay of Traits by March 1.
- Effective for the application period October 1, 2023, to February 15, 2024, all applicants must register for their Acuity Insights Situational Assessment no later than February 15. All applicants must complete their Situational Assessment no later than March 1. (Note: specific test dates available for your

program can be found by browsing Test Dates and Times on Acuity Insights. The cost of the Situational Assessment is your responsibility.
- Accepted applicants are required to provide evidence of current N95 mask testing prior to the start of clinical practicums as directed by the program. N95 mask testing is valid for two (2) years from the date of completion. Retesting may be required during your studies. The cost of N95 mask testing is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility. Register for WHMIS.
- Accepted applicants will be required to provide evidence of Transferring Lifting Repositioning (TLR®) certification or Safe Moving and Repositioning Techniques (SMART®) certification upon admission to the program. TLR® or SMART® certification is valid for three (3) years from the date of completion. Recertification may be required during your studies. The cost of TLR® or SMART® certification is your responsibility. Register for TLR.

Program overview

Please Note: The Medical Radiologic Technology program is subject to the competitive admission process, and the application period is now closed.

It opens for application on October 1, and closes on February 15, each academic year. On February 15, paper applications are accepted until 4:30 p.m., and online applications are accepted until 11:59 p.m. (Saskatchewan times). All supporting documentation is required by 4:30 p.m. (Saskatchewan time) on March 1.

Those who applied for the diploma program for the September 2023 intake, will be transferred to the advanced diploma program.

If you're considering a career in health - one that lets you work one-on-one with people and use state-of-the-art medical equipment - Saskatchewan Polytechnic's Medical Radiologic Technology program might be for you.

Radiological technologists produce images of body parts and systems using X-ray, computed tomography (CT) and breast imaging equipment. You need to be diligent, detail-oriented and committed to high work standards. You also need to be comfortable positioning and touching patients, as well as talking with them.

To apply to this program, see additional information under Admissions.

International applicants are not currently considered for admission to this competitive program.

Medical Radiologic Technology is a nationally accredited two-and-a-half-year advanced diploma program offered at Saskatchewan Polytechnic Saskatoon campus. You'll get hands-on training in the use of radiographic equipment, learn how to position patients to get the best images and learn to critique images. You'll also develop knowledge and skills in:

- anatomy and physiology
- examination techniques
- patient care
- professionalism
- radiation safety and protection
- X-ray equipment

Practical, Hands-On Learning

Extensive clinical experience gives you a chance to apply what you learn in class in an actual clinical setting. You will participate in clinical practicum experiences in hospitals and clinics around the province, including placements in different settings to gain specific skills and technical competence.

Diploma to Degree

Leverage your advanced diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

You can use your Medical Radiologic Technology advanced diploma to ladder into a degree program at the University of Regina or Athabasca University in Alberta. A degree is usually required if you are interested in moving into management or teaching positions.

Nationally Accredited

After graduation, you'll write the national Canadian Association of Medical Radiation Technologists (CAMRT) certification exam. CAMRT certification allows you to work anywhere in Canada and to become a member of the Saskatchewan Association of Medical Radiation Technologists (SAMRT), which is a requirement to work in Saskatchewan.

Serve in the Canadian Forces

Saskatchewan Polytechnic's Medical Radiologic Technology program is recognized by the Canadian Armed Forces (CAF), which means you can qualify for full-time subsidized education through their non-commissioned member subsidized training and education plan (NCMSTEP).

Visit https://forces.ca/assets/brochures/paid_education_programs.pdf for more information on paid education programs.

Visit https://forces.ca/en/career/medical-radiation-technologist/ or browse careers section.

Career Opportunities

There are many career options open to nationally certified medical radiological technologists (MRTs). Choose a career in general radiography or specialize in computerized tomography, mammography or angiography. Hospitals are a major employer, but you also might work in a radiology clinic, cancer clinic, community health centre or private medical clinic. You could also explore careers in veterinary clinics, educational institutes and equipment sales.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

APHY 103	Introduction to Anatomy and Physiology
ETHC 101	Professionalism in Health Care
INFC 180	Infection Control and Safety
MTER 180	Medical Terminology
RGAN 101	Radiographic Anatomy
RSAP 101	Radiation Science 1
RSAP 102	Radiation Science 2

Year 1 - Semester 2

MGMT 109	Patient Management 1
MGMT 110	Patient Management 2
RDGR 179	Radiographic Positioning and Critique 1 (Theory and Lab)
RDTM 280	Computed Tomography Equipment
RDTM 281	Sectional Anatomy
RSAP 103	Radiation Science 3
SOCI 101	Cultural and Indigenous Awareness in Health Care

Year 1 - Semester 3

PSYC 104	Psychology of Health and Wellness Management
RDGR 180	Radiographic Positioning and Critique 2 (Theory and Lab)
RDTM 282	Computed Tomography Applications

Year 2 - Semester 4

PATH 203	Pathophysiology
RDGR 201	Fluroscopy
RDGR 202	Advanced Radiographic Procedures
RDGR 203	Adaptive Radiography
RDGR 204	Advanced Image Critique
RSCH 280	Intro to Research
SIMU 281	Practical Skills and Simulation

Year 2 - Semester 5

CLIN 295	Clinical Radiography 1
EDUC 211	Competency Development
IPE 100	Interprofessional Education

Year 2 - Semester 6

CLIN 296	Clinical Radiography 2

Year 3 - Semester 7

CLIN 297	Clinical Radiography 3
EDUC 302	Competency Maintenance

Mental Health and Addictions Counselling Diploma

Location

- Online/Distance

Start date

September

Duration

- 80 weeks
  - Year 1 - 40 weeks; Year 2 - 40 weeks

Admission requirements

- Grade 12 with English Language Arts A30 and English Language Arts B30
- English Language Requirement specific to Mental Health and Addictions Counselling (see Program-Specific ELP Requirements section)

Note:

- Current certification in the following must be provided prior to the commencement of semester 2 of the program. The cost of this certification is your responsibility:
  - Transferring Lifting Repositioning (TLR®)
  - Advanced Professional Assault Response Training (PART)
  - Standard First Aid
  - Basic Life Support Provider (formerly CPR Health Care Provider 'C' AED) or equivalent
  - 2015 WHMIS Globally Harmonized System (GHS) certification. Recertification will be required every three years to remain current.
- Accepted applicants are required to provide evidence of a Criminal Record Check and Vulnerable Sector Search prior to commencement of the program. (When you are accepted to the program, you will be further advised of the required timelines for submission of the related documents. Please await further notice).

- Accepted applicants are required to provide current immunization records.
- Program readiness is vital to success in the program. If you have experience(s) with a substance use disorder(s), you will need to have reached a level of stability and functionality that will allow you to undertake this program of studies and to counsel others. It is strongly recommended that you consult with a Saskatchewan Polytechnic academic program advisor if you have questions about your preparedness for the program. An interview and/or letter of intent may be required to support your readiness.

Program overview

Saskatchewan Polytechnic is pleased to announce the launch of our redesigned Mental Health and Addictions Counselling (formerly Addictions Counselling) diploma program, which began August 2021. With the new delivery format, students will be able to study where they live and bring their new knowledge in the specialty to communities across the province to assist with our growing addictions crisis in Saskatchewan.

Hybrid Learning Environment

This is a demanding program that requires a full-time commitment. Students who are studying in this hybrid format will be required to:

- Attend scheduled synchronous Zoom sessions each day for five to six hours.
- Have access to a stable Internet connection (in your home or community) to allow you to fully participate in the program activities.
- Ensure ongoing access to a reliable computer (desktop or laptop) and two standard size monitors to allow you to work effectively at home and participate actively in your Zoom classes.
- Have a web camera and have it turned on while you are participating in Zoom activities.
- Set up a private space for your studies (for classroom confidentiality).
- Ensure you have an ergonomically correct space for your studies.
- Attend a Sask Polytech campus (location to be determined) for one week in each semester one, two, four and five. These residencies are mandatory.
- Be available for applied learning activities through practicums in semesters three, five and six. You may be required to spend this time in a location away from your home and where addictions counselling services are provided. During this time, you will be assigned to a preceptor and will apply the skills you have learned throughout your program in an industry setting.

Hands-on Learning

Applied (hands-on) learning is the cornerstone of Sask Polytech's vision for education and allows you to hone the skills you've obtained throughout the Mental Health and Addictions Counselling program. It is made possible by our strong relationships with our industry partners, and they are excited to work with and mentor our students. You'll work alongside them and work directly with clients in a supervised setting; you'll have the opportunity to better understand the 'real world' role of a mental health and addictions counsellor and make important connections for your upcoming career. At times some travel is needed during these experiences to ensure you are able to meet the competencies of the program.

Career Opportunities

Graduates of our program make a difference for clients in a variety of settings; here are a few of the areas and programs where our graduates work:

- inpatient and residential treatment
- intensive day-patient and outpatient
- community mental health and addiction services (integrated outreach services)
- indigenous treatment centres
- mental health crisis teams
- emergency departments
- rapid access to addiction medicine clinics (RAAM) and a variety of multidisciplinary teams
- partial hospital and day treatment
- detoxification: social and medical
- correctional facilities
- programs working with offenders under community supervision
- juvenile detention centres
- employee family assistance programs
- prevention and education community mobilization

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

ENGL 101	Critical Reading and Writing
MHA 103	Roles, Responsibilities and Ethics
MHA 104	Introduction to Pharmacology and Psychobiology
MHA 105	Phenomenology of Substance Use and Disorder Patterns
MHA 108	Mental Health First Aid
MHA 148	Professional Practice
PSYC 102	Introduction to Psychology 1
SOCI 171	Culture and Diversity in Canadian Society

Year 1 - Semester 2

MHA 101	Introduction to Counselling Skills
MHA 102	Conflict Resolution
MHA 106	Models of Detoxification Processes
MHA 107	Family and the Healing Process
MHA 143	Concurrent Disorders
MHA 144	Poly-Addictions
MHA 149	Mental Health and Psychological Considerations
SEM 109	Seminar

Year 1 - Semester 3

MHA 109	Trauma-Informed Practice
PRAC 131	Allied Services Practicum
PRAC 247	Detoxification Practicum

Year 2 - Semester 4

COUN 241	Counselling Modalities
MHA 200	Case File Management, Screenings, and Intake Procedures
MHA 201	Assessments, Motivational Interviewing and Recovery Plans
MHA 202	Individual Counselling Skills (Theory)
MHA 203	Individual Counselling Skills Lab
SEM 202	Individual Counselling Seminar

Year 2 - Semester 5

COUN 245	Group Facilitation
MHA 204	Practice Considerations for Diverse Populations
MHA 205	Contemporary Interventions
MHA 206	Group Counselling
MHA 207	Community Engagement, Partnerships and Prevention Programs
MHA 208	Transition to Professional Practice Seminar
PRAC 220	Consolidated Practice Education A

Year 2 - Semester 6

PRAC 221	Consolidated Practice Education B

Mental Health and Addictions Worker
Certificate

Location

- Online/Distance
- Prince Albert

Start date

- February
    - For more information, contact Val Strom at strom@saskpolytech.ca or 306-765-1775, or Barb Robinson at robinsonb@saskpolytech.ca or 306-765-1730.

Duration

- 784 hours

Admission requirements

- Grade 12 with English Language Arts A30 and English Language Arts B30, or special admission after successful completion of three courses (CAPL 144, CAPL 145, and HLTH 151)
- Satisfactory assessment for chemical dependency (nicotine is excluded)
- Satisfactory Criminal Record Check
- English Language Requirement

Program overview

Note: This program is suspended effective April 30, 2017

Mental Health and Addictions Worker is a certificate program. It provides the knowledge and skill development required to perform the functions of an entry-level mental health and addictions worker. The skills and knowledge presented in the program have been acquired and sanctioned by the Northern Labour Market, the Northern Inter-Tribal Health Authority (NITHA), Northlands College, and Saskatchewan Polytechnic.

This program was requested by the NITHA with two specific requirements. The first requirement was to integrate mental health and addictions core knowledge and practices. The second requirement was to include First Nations philosophy and cultural perspectives as much as possible.

It is intended to provide training to meet the needs of the Northern Labour Market Health Sector. Training will prepare graduates to respond to clients who have substance use and mental health issues, in an integrated holistic manner.

The program is also designed to provide knowledge related to First Nations culture and its role in client recovery. This certificate is the first step in the development of a new program that can be offered by a variety of delivery methods: face-to-face, by distance and blended distance.

The program is delivered through Saskatchewan Polytechnic Prince Albert campus and Northlands College, in a blended online format, with courses offered by distance, online, and workshops that will be face-to-face.

Note:

If you wish to take this program, you must be currently working for NITHA members. Students are selected and funded through NITHA. Contact your employer, Northlands College or Saskatchewan Polytechnic (Val Strom at 306-765-1775 or Barb Robinson at 306-765-1730).

You will learn how to:

- use interpersonal communication skills (including assertiveness and conflict resolution)

- use an integrated case management approach with mental health and addicted clients and their families while following the best practices philosophy
- facilitate brief screenings, comprehensive assessments, treatment plans and referrals
- use basic level one-one counselling skills through an experiential learning lab setting that is monitored and coached by skilled faculty
- manage client resistance and ambivalence using motivational interviewing
- use suicide intervention techniques

You will also learn about specialty areas. These include:

- cross-cultural issues
- suicide intervention
- FASD
- gambling
- concurrent disorders
- pharmacology
- drug abuse history in communities
- adolescents

You will complete a Wellness Resource Project and an Orientation to Mental Health and Addictions Services.

Career Opportunities

Graduates of the program will work primarily within the National Native Alcohol and Drug Abuse Program (NNADAP) within Northern regional health authorities, where their increased skill set will help them deal with the clients who have substance use issues and mental health problems.

There are 115 job titles for this National Occupational Classification (NOC); however, this certificate program is specific to northern Saskatchewan and only specific titles apply. These include, for example:

- Aboriginal centre coordinator
- Aboriginal outreach worker
- Addictions worker
- Native centre coordinator
- Peer support worker
- Native outreach worker
- Street outreach worker
- Substance abuse worker
- Group homeworker
- Halfway house worker

The program is recognized by the employers within the Northern labour market and the Northern Inter-Tribal Authority.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

CAPL 144	Academic Management
CAPL 145	Writing Skills
CAPL 146	Personal and Professional Development
CDEP 155	Behaviour and Drug Dynamics
CDEP 158	Substance Use Disorders/Disorder Patterns
CDEP 174	Detoxification Management
CDEP 175	The Impact of Substance Use on Families
CDEP 176	Human Relations in Mental Health and Addictions
CDEP 177	Conflict Resolution in Mental Health and Addictions
CDEP 178	Fetal Alcohol Spectrum Disorder
CLTR 148	Valuing Diversity
COUN 151	Brief Screenings
COUN 152	Suicide Interventions
COUN 157	Motivational Interviewing
COUN 158	Assessments and Recovery Plans
COUN 159	Counselling Theory
ETHC 140	Ethics in Mental Health and Addictions
HLTH 151	Stress Management in Helping Profession
HUMD 144	Life Span Issues
MHA 140	Mental Health Issues and Mental Health Disorders
MHA 141	Medical Issues in Mental Health
MHA 142	Recovery and Wellness Models
MHA 143	Concurrent Disorders
MHA 144	Poly-Addictions
MHA 145	Wellness Resource Project
MHA 146	Orientation to Mental Health and Addiction Services

Pharmacy Technician

Diploma

Location

- Saskatoon

Start date

- September

Sue Mack-Klinger, BSP, B.Sc. Pharmacy Technician Program Head / Instructor306-659-4091Sue.Mack-Klinger@saskpolytech.ca

Corri Lewis, BSP Pharmacy Technician Program Instructor 306-659-4132 Corri.Lewis@saskpolytech.ca

Duration

- 76 weeks
  - You have four years to complete the program

Admission requirements

- Grade 12 with a minimum of 70% in each of the following subjects: Pre-calculus 30 or Calculus 30, Biology 30 and Chemistry 30
- EFFECTIVE FALL 2024: Minimum 70% in English Language Arts A30 and English Language Arts B30.
- Minimum overall average of 65%.
- Minimum keyboarding speed of 35 words per minute with 95% accuracy in a 5-minute test period. (Testing is available through Saskatchewan Polytechnic Testing Services).

Note

- Applicants whose first language is not English must demonstrate evidence of English language proficiency which will be based on submission of one of the following for evidence:

- Language proficiency test results determined by the National Association for Pharmacy Regulatory Authority (NAPRA) language proficiency requirements for licensure as a pharmacy technician in Canada.
- Graduation from a high school in Canada or a Collège d-enseignement général et professionnel (CEGEP) in Quebec with three consecutive, first language English or French** courses/credits.
- An undergraduate degree from a university in Canada, where instruction is in English or French.**

****The Pharmacy Technician program at Saskatchewan Polytechnic conducts classroom, lab and clinical/practicum lectures and experiences in English only.**

Note

- Accepted applicants will be required to provide evidence of a Criminal Record Check including a Vulnerable Sector Search prior to entering the practicum component of the program. At the discretion of the practicum agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check. The cost of the Criminal Record Check is your responsibility.
- Accepted applicants will be required to provide, at their own expense:

- An up-to-date immunization record prior to participating in hospital practicum courses. Students may be denied access to hospital sites if immunizations are not current.

- It is strongly recommended that you obtain Standard First Aid and CPR Heartsaver "A" AED or equivalent as health care practitioners.
- Accepted applicants are required to provide evidence of current N95 respirator mask testing within one year of the hospital practicum. The cost of N95 respirator mask testing is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

Program overview

Demand for pharmacy technicians is growing. You will be part of a pharmacy team, filling prescriptions, assisting patients, maintaining records and more. Your focus will be the accurate preparation and delivery of medications to your patient. It's a career that demands careful attention to detail, a high degree of integrity and lifelong learning. There is zero tolerance for math errors, so you will need to be good at basic math. You will also need to be comfortable following strict procedures and a good communicator who is comfortable talking with patients and other health professionals. Pharmacy technicians have strong organizational skills, are multi-taskers, and utilize precise written and oral communication within their workplaces.

You will find a lot of career doors open to you. Most Saskatchewan Polytechnic grads work in hospitals, but there are also jobs in community pharmacies, drug manufacturing facilities and other businesses involved in medication distribution and support.

Pharmacy Technician is an intensive two-year diploma program at Saskatchewan Polytechnic, Saskatoon Campus. The program focuses on building your knowledge and skills in:

- dispensing
- quality assurance
- hospital and community pharmacy practice
- pharmaceutical calculations
- pharmacy legislation
- pharmaceutical products
- sterile product preparation

You will have lectures that provide foundational knowledge and will also apply your learning in Saskatchewan Polytechnic's well-equipped labs. Experienced instructors provide group and individual instruction, giving you hands-on training and real-world skills.

Hybrid Program Delivery

The Pharmacy Technician Program is provided through hybrid delivery, optimizing your time and providing the perfect balance of at-home and in-person education. Lectures are delivered online synchronously, where instructors are face-to-face, accessible and can easily engage you with an experience true to practice. Imagine accessing and experiencing what is being taught at the same time as your instructor describes it. Learning is easier when you can "do" as you listen, practice on pharmacy software before coming into labs, and meet individually with your instructor when needed. Hands-on is required and you will come to our labs to practice what you have learned, applying learned skills to simulated practice. The

hybrid experience provides flexibility for your learning environment, enhancing learning and transitioning smoothly into study and homework. In-person labs and activities ensures you still have the social experience of being with your classmates and instructors.

Work Experience

Two month-long work experiences, one in a hospital and one in a community pharmacy, give you a chance to build your practical skills. It's also an opportunity to experience, first-hand, the professional expectations placed on pharmacy technicians.

Diploma to Degree

Leverage your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Career Opportunities

Pharmacy technicians work in rural and urban areas, in hospital and community settings. Look for job openings in regional health authorities, hospital pharmacies, community pharmacies and businesses involved in medication distribution or support.

Community pharmacies include pharmacies in grocery stores, department stores and brand name chains. You can also explore job opportunities in veterinary hospitals, home health care, pharmaceutical sales and distribution, quality assurance and companies that administer health plans. The pathway to becoming a licensed pharmacy technician in Saskatchewan is available through the Saskatchewan College of Pharmacy Professionals.

Note

International applicants are not currently considered for admission to this program.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

APHY 160	Essentials of Human Anatomy and Physiology
COMM 291	Interpersonal Communications
MATH 168	Introductory Math for Health Sciences
MICR 110	Microbiology for Pharmacy Practice
MTER 100	Medical Terminology
PHAR 104	Public Health in Pharmacy Practice
PHAR 179	Pharmacology for the Pharmacy Technician
PHAR 182	Pharmacy Practice
PHAR 184	Pharmacy Agreements
PHAR 185	Introduction to Pharmaceutical Calculations
PHAR 187	Introduction to Pharmacy Computer Skills

Year 1 - Semester 2

PHAR 105	Introduction to Pharmacy Dispensing Pre-Lab
PHAR 106	Advanced Pharmacy Computer Skills
PHAR 183	Introduction to Pharmacy Dispensing Lab
PHAR 186	Pharmaceutical Products 1
PHAR 188	Non-Prescription Products
PHAR 192	Pharmacy Management
PHAR 194	Pharmacy Legislation
SFTY 179	Safety in Pharmacy Practice

Year 1 - Semester 3

PHAR 107	Applied Pharmacy Skills Lab
PRAC 118	Community Pharmacy Experience

Year 2 - Semester 4

PHAR 204	Advanced Pharmacy Dispensing Pre-lab
PHAR 205	Advanced Pharmacy Dispensing Lab
PHAR 206	Hospital Pharmacy
PHAR 207	Institutional Pharmacy Lab
PHAR 208	Pharmaceutical Products 2
PHAR 216	Parenteral Product Calculations
PHAR 217	Scope of Practice for Pharmacy Technicians
SOCI 171	Culture and Diversity in Canadian Society

Year 2 - Semester 5

COM 104	Teamwork and Collaboration
PHAR 209	Non-Sterile Compounding Pre-Lab
PHAR 210	Non-Sterile Compounding Lab
PHAR 211	Sterile Compounding Lecture
PHAR 212	Sterile Compounding Lab
PHAR 213	Advanced Pharmacy Calculations
PHAR 214	Pharmacy Practicum and Career Preparation
PHAR 218	Interprofessional and Intraprofessional Practice for Pharmacy Technicians

Year 2 - Semester 6

PRAC 484	Community Practicum
PRAC 485	Hospital Practicum

Phlebotomy

Applied Certificate

Location

- Online/Distance
- Saskatoon

Start date

July, August, October, November, January, and May.

Duration

- 24 weeks

Admission requirements

- Grade 12 with an overall average of 60% with English Language Arts A30, English Language Arts B30, Foundations of Math 20 or Foundations of Math 30 or Pre-Calculus 30*, Health Science 20 or Biology 30*, and Physical Science 20 or Chemistry 30*
- 35 words per minute keyboarding speed with 95% accuracy (5-minute testing report to be submitted with transcripts)

- Testing is available through Saskatchewan Polytechnic Test Centres. A completed Keyboarding Test Results form must be submitted to Enrolment Services.

- English Language Requirement

***Previous Saskatchewan biology, chemistry, and mathematics requirements also accepted:**

- Biology 20
- Chemistry 20
- Math 20 or any 30-level math

Note:

- Accepted applicants will be required to provide evidence of a Criminal Record Check and Vulnerable Sector Search upon admission to the program. At the discretion of the practicum agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check and Vulnerable Sector Search. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- Accepted applicants are required to provide current immunization records and meet Saskatchewan Polytechnic immunization requirements prior to entry into clinical practicum.
- Accepted applicants are required to provide evidence of current N95 respirator mask testing prior to start of clinical practicums as directed by the program. N95 respirator mask testing is valid for two (2) years from the date of completion. Retesting may be required during your studies. The cost of N95 respirator mask testing is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility. Register for WHMIS.
- Accepted applicants will be required to provide evidence of Transferring Lifting Repositioning (TLR®) Object Moving certification or Safe Moving and Repositioning Techniques (SMART®) certification upon admission to the program. TLR® or SMART® certification is valid for three (3) years from the date of completion. Recertification may be required during your studies. The cost of TLR® or SMART® certification is your responsibility. Register for TLR.

Program overview

Phlebotomists work directly with other health-care providers and patients, and in laboratory settings. You will collect blood from patients, manage and handle specimens, and perform associated data entry. It's a job that requires good people and communication skills, attention to detail, a professional yet caring attitude, and a commitment to teamwork and excellence.

Phlebotomists are becoming more and more in demand in many areas. Jobs are available in hospitals, community clinics and medical offices.

Phlebotomy is an applied certificate program offered by distance education through Saskatchewan Polytechnic, Saskatoon Campus. Labs and clinical experiences are a large part of the program, so expect hands-on training in:

- professional practices;
- infection control and safety;
- specimen collection and handling; and
- basic specimen processing

Learning Environment

Students will experience a mix of web-assisted learning, home study, and practical and clinical labs. The theory components of your program are delivered by online distance learning which enables you to learn and study from home. You will be required to attend on-campus laboratories in Saskatoon on designated days (students will be notified of dates in advance). The clinical experience can be offered at various designated sites around the province. For this program, there is a heavy workload with 15-20 hours per week of homework. Clinical experience hours coincide with healthcare hours and start as early as 7 a.m. Theory courses: Online distance learning which enables you to learn and study from home. Practical labs: Saskatoon (designated lab dates may occur during the week or on the weekend) Clinical Practicum Experience Clinical practicum placements (Monday to Friday) may occur at any approved site in Saskatchewan.

- PRAC 110: Ten days of practicum (2 consecutive weeks) at various sites around Saskatchewan

Refer to our frequently asked questions to learn more about the program and career as a phlebotomist.

Put Your Learning to Work

You'll participate in a two-week clinical experience, scheduled consecutively and occurring within eight weeks of your last theory course. Your clinical experience may take place at various sites around the province.

Ladder into a Saskatchewan Polytechnic Diploma or Applied Certificate

You can transfer several Phlebotomy courses into Saskatchewan Polytechnic School of Health Sciences diploma programs, including:

- Combined Laboratory and X-Ray Technology
- Cytotechnology
- Medical Lab Assistant
- Medical Laboratory Technology
- Medical Radiologic Technology

Career Opportunities

As a phlebotomist you will be employed by medical laboratories to perform blood collection and specimen management and handling, which includes the associated data entry. The provincial health regions have identified an ongoing need for workplace-ready phlebotomists. Look for job opportunities with regional health districts, government health agencies and private labs.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

CLIN 120	Clinical Specimen Procurement and Management
ECRD 101	Basic Electrocardiography
ETHC 101	Professionalism in Health Care
INFC 180	Infection Control and Safety
MTER 180	Medical Terminology
PROC 185	Laboratory Specimen Procurement
PSYC 104	Psychology of Health and Wellness Management
SOCI 101	Cultural and Indigenous Awareness in Health Care

Primary Care Paramedic
Certificate

Location
- Regina
- Saskatoon

Start date

Fall and Spring intakes (Regina and Saskatoon)

- *Fall intake - students will have a 6-week break during practicum from June 30th – August 12

Duration
- 51 weeks

Admission requirements

- Grade 12 with a minimum overall average of 60% in the following four courses: English Language Arts A30, English Language Arts B30, one of Biology 30 or Chemistry 30, and one of Workplace and Apprenticeship Math 30 or Foundations of Math 30 or Pre-Calculus 30. (Previous Saskatchewan mathematics Math A30 will also be accepted).
- See English Language Proficiency Requirements for required evidence for this program (Program-Specific ELP Requirements section). The language of instruction and assessment for this program is English. In addition to the general admission requirements, if your first or primary language is not English and/or your country is not exempt, you must demonstrate an appropriate level of proficiency in English.

Note
- A Criminal Record Check and Vulnerable Sector Search upon admission to the program. At the discretion of the practicum/clinical agency, you may be declined access to a practicum/clinical based on the contents of the Criminal Record Check and Vulnerable Sector Search. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- You must exhibit physical strength and fitness consistent with the requirements of professional practice. This will be evaluated within the program.
- Standard First Aid is required prior to the start of the program and must be current at the start of the program.
- CPR "C" AED or equivalent is required prior to the start of the program and must be current at the start of the program.
- Current Transferring Lifting Repositioning (TLR®) certification OR Transferring Lifting Repositioning (TLR®) Emergency Medical Services (EMS) certification upon admission into the program. The cost of (TLR®) certification or Transferring Lifting Repositioning (TLR®) Emergency Medical Services (EMS) certification is your responsibility.
- Current immunization records and meet Saskatchewan Polytechnic immunization requirements prior to entry into the clinical/practicum.
- Current N95 respirator mask testing prior to entry into the clinical/practicum. The cost of N95 respirator mask testing is your responsibility.
- 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

Program overview
Being a paramedic is all about teamwork. There's a sense of camaraderie you won't find in many other jobs. But it takes a special kind of person. You have to want to help people because you'll be

dealing with all ages in all kinds of crises. You have to work well under pressure because you'll be delivering pre-hospital emergency care in people's homes, in the middle of busy streets, and/or at industrial sites.

It's a rewarding career with an expanding range of job opportunities—and Saskatchewan Polytechnic's Primary Care Paramedic (PCP) program will get you started.

Primary Care Paramedic is a one-year certificate program offered through Saskatchewan Polytechnic Saskatoon campus and Saskatchewan Polytechnic Regina campus, and in partnership with regional colleges. Our program emphasizes authentic hands-on training in prehospital emergency care, with both hospital and ambulance practicums. You'll focus on:

- medical and trauma injuries
- mental health issues
- obstetrical emergencies
- pharmacology
- physical assessments of various body systems
- cardiac and respiratory emergencies
- certifications in:
  - BLS Health Care Provider
  - Gentle Persuasive Approach (GPA)
  - International Trauma Life Support (ITLS)
  - Pediatric Education for Prehospital Professionals (PEPP)

Industry Recognized

The program is fully accredited by Accreditation Canada. Your curriculum aligns with primary care paramedic roles and responsibilities outlined in the National Occupational Competency Profiles (NOCP) for the Paramedic Practitioner of Canada. When you graduate, you'll be eligible to write the provincial licensing exam for registration with the Saskatchewan College of Paramedics.

Hands-on Learning

- Lab and Simulation Training - The PCP program emphasizes hands-on learning. You'll spend about one-third of your time in the classroom, one-third in practical labs and one-third in high-fidelity simulation. State-of-the-art simulation facilities use a wide range of scenarios to help you develop your critical thinking and decision-making skills.
- Field Practicums - You'll take the knowledge that you've learned in the classroom and put it to work with an emergency medical services (EMS) organization (usually ambulance service) to learn about policies, procedures and documentation; conduct independent patient assessments; and provide treatment using ambulance equipment.
- Clinical Practicums - During your hospital-based practicum, you'll conduct independent patient assessments and use hospital equipment to provide treatment. You'll also learn about hospital policies, procedures and documentation.
- Inter-professional Education - In order to prepare you for an integrated role within health care teams, you will have the opportunity to work with students from other programs within the School of Health Sciences and the School of Nursing. Learning activities are designed using a problem-based learning (PBL) model and include high-fidelity simulations, interactive case-based table-top exercises, and collaborative skill acquisition.

Career Opportunities

As a primary care paramedic, you'll find your skills in demand by ambulance, air ambulance and fire protection services around the province. You'll also find job opportunities in the military, at mine sites, and at industrial manufacturing, milling and processing sites.

For more information about career opportunities, contact Student Employment Services at the Saskatchewan Polytechnic campus nearest you or check out the Saskatchewan College of Paramedics job postings http://www.collegeofparamedics.sk.ca/

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1	
APHY 164	Anatomy and Physiology 1
APHY 165	Anatomy and Physiology 2
EMER 107	Professionalism, Leadership, and Communications
EMER 108	Health and Safety
EMER 109	Patient Assessment, Transport, and Diverse Populations
PHAR 100	Pharmacology and Fluid Therapy
Semester 2	
EMER 110	Cardiac and Respiratory Theory
EMER 111	Cardiac Care
EMER 112	Respiratory Care
EMER 113	Trauma Management 1
EMER 114	Trauma Management 2
EMER 115	Medical Care 1
Semester 3	
EMER 116	Foundations of Community Paramedicine
EMER 155	Patient Management and Integration
EMER 198	Medical Care 2
EMER 199	Medical Care 3
PRAC 116	Practicum 1
Semester 4	
PRAC 117	Practicum 2

Therapeutic Recreation
Diploma

Location

- Online/Distance
- Saskatoon

Start date

- September:

There is an intake to this program every second year (odd numbered years only).

Duration

- 71 weeks

Admission requirements

- Grade 12
- English Language Requirement

Note:

- Current certification in the following must be provided prior to entry into practicum. The cost of this certification is your responsibility.
- Advanced Professional Assault Response Training (PART) (out-of-province applicants will have PART requirement assessed by the program, for equivalency)
- Transferring Lifting Repositioning (TLR®)
- N95 respirator mask testing (obtain only after you have received additional direction from the program)
- Accepted applicants will be required to provide evidence of a Criminal Record Check and Vulnerable Sector Search prior to entering practicum. At the discretion of a practicum agency, you may be declined access to a practicum placement based on the contents of the Criminal Record Check and Vulnerable Sector Search. The cost of the Criminal Record Check and the Vulnerable Sector Search is your responsibility.
- Accepted applicants are required to provide current immunization records and to meet Saskatchewan Polytechnic immunization requirements prior to entry into practicum.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

Program overview

Therapeutic recreation is a career that attracts organized, outgoing, active individuals who like working with people of all abilities. You need to be good at encouraging people to set goals, develop skills and try new things.

Career opportunities are diverse—be a recreation therapist, a recreation coordinator, an activity director or programmer. Work as part of a multidisciplinary health care team in clinical or community-based settings, from hospitals to rehabilitation centres.

Therapeutic Recreation is a two-year diploma program offered at Saskatchewan Polytechnic Saskatoon campus. It is also offered through distance education. You'll learn from knowledgeable instructors how to use recreation as a means of improving health, functional ability and quality of life. The program provides a broad knowledge base, from human growth and development to sociology. Your studies will focus on:

- assessment of individual needs, functional abilities and leisure behaviours
- development of individualized treatment plans
- documenting progress
- using facilitation techniques to meet individual goals
- practicing therapeutic recreation based on professional standards
- modifying activities to meet individual abilities
- participating as a member of a health care team

Learn through Practical Experience

Apply what you've learned in class in real-world settings. The program includes three practicums. Each one will provide opportunities to apply assessment techniques, conduct activity analysis and selection, develop and evaluate treatment plans, get involved in individual and group program planning and more. You'll also build important interpersonal and leadership abilities.

Pursue Professional Certification

If you're interested in pursuing professional certification, the Canadian Therapeutic Recreation Association endorses the National Council for Therapeutic Recreation Certification's Certified Therapeutic Recreation Specialist (CTRS) as the certification for Canada.

Diploma to Degree

Leverage your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Career Opportunities

When you graduate, you'll be able to work in both clinical and community-based settings. You could work in a hospital as part of a multidisciplinary health care team, in a long-term care facility, adult day program, rehabilitation centre, addiction program or mental health program. Explore career opportunities with health regions, provincial or federal health agencies,

For more information, contact the Student Employment Services at a campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

APHY 160	Essentials of Human Anatomy and Physiology
HUMD 188	Human Growth and Development
MTER 100	Medical Terminology
PSYC 102	Introduction to Psychology 1
THRC 182	Foundations of Therapeutic Recreation
THRC 187	Introduction to Therapeutic Recreation Profession
THRC 188	Research and Evaluation in Therapeutic Recreation
THRC 190	Health Promotion in Therapeutic Recreation

Year 1 - Semester 2

COMM 291	Interpersonal Communications
EMPL 180	Employability Skills
PSYC 103	Introduction to Psychology 2
THRC 183	Physical and Cognitive Disabilities in Therapeutic Recreation Practice
THRC 184	Therapeutic Recreation Process
THRC 189	Therapeutic Recreation for Children and Youth
THRC 285	Therapeutic Recreation and Inclusive Leisure Services
THRC 292	Therapeutic Recreation Integration Seminar 1

Year 1 - Semester 3

PRAC 177	Therapeutic Recreation Practicum 1
THRC 289	Therapeutic Recreation and Aging

Year 2 - Semester 4

PRAC 280	Therapeutic Recreation Practicum 2
SOCI 171	Culture and Diversity in Canadian Society
THRC 281	Therapeutic Recreation Assessment
THRC 283	Mental Health, Addictions and Therapeutic Recreation
THRC 284	Therapeutic Recreation and Leisure Education
THRC 293	Therapeutic Recreation Integration Seminar 2

Year 2 - Semester 5

PRAC 281	Therapeutic Recreation Practicum 3
THRC 286	Therapeutic Recreation Program Management
THRC 290	Issues and Trends in Therapeutic Recreation
THRC 291	Facilitation Techniques in Therapeutic Recreation
THRC 294	Therapeutic Recreation Integration Seminar 3

Note: Students must be admitted to the program before taking the practicums.

Veterinary Technology
Diploma

Location

- Online/Distance
- Saskatoon

Start date

- September

Duration

- 79 weeks
  - Year 1 - 41 weeks; Year 2 - 38 weeks

Admission requirements

- Grade 12 with a minimum of 70% in each of the following subjects: Biology 30, Chemistry 30, and Foundations of Math 30 or Pre-Calculus 30*
- A combined average of 70% in English Language Arts A30 and English Language Arts B30
- 40 hours documented veterinarian-supervised volunteer or work experience
- Completion of mandatory orientation
- English Language Requirement

Note

- The program offers eight distance education seats. These students will complete the program through a combination of synchronous and asynchronous learning via distance (80%) and in-person residencies (20%) at the start/end of terms.
- Applicants may apply to either the in-person or distance option.
- Application process for in-person option:
  - Step 1: Submit application form and application fee. On the application form, under Program Information - location, select the Saskatoon option. This holds your place in the admissions queue.
  - Step 2: Submit final academic transcripts.
  - Step 3: Complete required minimum of 40 clinic volunteer hours (or equivalent activities) and submit required Volunteer Hours Form by August 1st.
- Application process for distance option:
  - Complete Steps 1 to 3 as described for in-person option. On the application form, under Program Information - location, select the online or evening or distance option.
  - It is the student's responsibility to secure a partnership with a qualified clinic.

    - Submit the Host Clinic Form any time after Step 1 is completed. Submitting the Host Clinic Form moves your application to the distance delivery option.
- All steps must be completed prior to program start date.
- Veterinary Technology program-specific admissions forms:
    - The Volunteer Hours Form describes the requirement for a minimum of 40 hours of volunteer/work experience in a veterinary clinic or equivalent experience. Hours must be completed within 5 years of expected entry to the program. The completed form is to be submitted by the veterinary practice upon completion of volunteer hours and must be received by August 1st of the year of expected entry to the program.
    - The Host Clinic Form is an agreement between a mixed animal practice (Host Clinic), Clinic Mentor and applicant whereby the Host Clinic and Clinic Mentor agree to support the applicant through provision of space, clinical cases, direct supervision and mentorship for the duration of the distance program. This form can be submitted by the student.
- For answers to common application questions, review Frequently Asked Questions
- Students require proof of protective rabies titer in order to take part in live animal activities including clinical site placements. A rabies immunization clinic is arranged by the program.
- Students must be registered, as a student member, with the Saskatchewan Veterinary Medical Association (SVMA) in any term they are registered in the program. Registration is arranged by the program at the start of term; membership cost is paid directly by the student.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.
- Students require travel in and around Saskatoon to attend labs and clinical placements. Students may be required to relocate to complete clinical practicus.

***Previous Saskatchewan mathematics requirement also accepted:**

- Minimum of 70% in a 30-level math

Program overview

It's more than a love of animals that inspires people to become veterinary technologists - it's also a keen interest in science and medicine. If you're self-motivated and want to be part of a team working to make animal's lives better, veterinary technology could be a great career fit.

The two-year CVMA-accredited program has two learning options:

In-person delivery at Saskatoon campus

- The program includes traditional in-person labs in basic (anatomy, genetics and chemistry and clinical sciences) and clinical sciences (animal restraint, examination, diagnostic testing, nursing) and clinical rotations at local veterinary facilities.
- You will be working with live animals, including dogs, cats, horses, cattle, swine, sheep and rodents.
- Students are in classes from 8 a.m. to 4 p.m., Monday through Friday although there may be tours and clinics that start earlier than 8 a.m. or are scheduled on evenings or weekends.
- The academic year runs from September through June.
- Learning occurs off-site at facilities located in and around Saskatoon, including at the Western College of Veterinary Medicine. Students are expected to provide their own transportation to off-site locations within Saskatoon and surrounding area.
- Two five-week offsite practicums are required in semester five. Students select their locations in consultation with the program but must include both small animal and large animal practice, or mixed animal practice.
- There are 26 applicants accepted into the first year of the program.

On-line blended distance delivery

- A total of 8 distance seats are available.
- Applicants must find a mixed-animal veterinary practice to support in-clinic learning for the duration of this 2-year program. Practices must be licensed and in good standing in Canada and provide access to dog, cat, horse, and cattle cases.
- The program includes:
    - Distance lectures available both in-person and asynchronously
    - Distance discussions in real-time time (approximately 2-5 hours per week)
    - Self-study labs
    - Learning at the clinical site
    - Student travel to Saskatoon campus 6 times throughout the program. There is a 3-5 day mid-term residency in each of semesters 1 through 5, and a 5-week residency in semester 6.
- Students should plan for a 40-hour week between on-line lectures and discussions, and a required 1-2 days per week spent in clinics.
- The academic year runs from September through June in Year 1, and September through July in Year 2.
- The opportunity for partial load studies is available upon specific request; however, students with loans should consult with their granting agency to ensure loan-requirements can be fulfilled. Semesters five and six cannot be taken on a partial load basis.
- See the Applicant and Host Clinic Guide

Career Opportunities

As a veterinary technologist, your skills are in demand at veterinary clinics and hospitals, livestock operations, animal shelters, diagnostic labs, research facilities, zoos and game farms. There are

also job opportunities with government agencies and in sales. You might also use your skills as the owner/operator of your own kennel or training facility.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

APHY 101	Anatomy and Physiology 1 (Theory)
APHY 102	Anatomy and Physiology 1 (Lab)
CHEM 101	Applied Chemistry for Veterinary Technology
MATH 280	Mathematics for Veterinary Technology
VETR 182	Veterinary Nursing Skills 1
VETR 183	Clinical Rotations 1
VETR 184	Animal Production and Livestock Tours
VETR 186	Human-Animal Bond, Ethics and the Law
VETR 187	Animal Behaviour
VETR 188	Veterinary Medical Terminology

Year 1 - Semester 2

ANIM 282	Large Animal Skills 1
APHY 104	Anatomy and Physiology 2
COMM 291	Interpersonal Communications
INDG 100	Introduction to Indigenous Studies
MICR 186	Clinical Microbiology
RDGR 183	Diagnostic Imaging 1
VETR 100	Animal Diseases 1
VETR 190	Veterinary Nursing Skills 2
VETR 287	Clinical Rotations 2

Year 1 - Semester 3

GENE 182	Veterinary Genetics
IMMU 281	Applied Immunology
VETR 191	Large Animal Health and Medicine
VETR 192	Veterinary Office Procedures
VETR 286	Veterinary Technology Dentistry
VETR 288	Seminars

Year 2 - Semester 4

ANES 279	Veterinary Anesthesia 1
NUTR 200	Animal Nutrition
PATH 201	Clinical Pathology (Theory)
PATH 202	Clinical Pathology (Lab)
PHAR 203	Veterinary Pharmacology
PRST 280	Veterinary Parasitology
VETR 200	Animal Diseases 2
VETR 201	Introduction to Exotic and Laboratory Animals
VETR 293	Veterinary Nursing Skills 3

Year 2 - Semester 5

ANES 281	Veterinary Anesthesia 2
PHAR 281	Veterinary Pharmacy Skills
PRAC 284	Veterinary Technology Senior Practicum
VETR 282	Large Animal Skills 2
VETR 292	Surgical Nursing Skills
VETR 296	Small Animal Skills

Year 2 - Semester 6

ANES 282	Veterinary Anesthesia 3
CLIN 238	Large Animal and Specialty Clinical
CLIN 239	Small Animal Emergency and Intensive Care
VETR 289	Clinical Surgical Nursing

Year 2; Semesters 5 and 6 - Most of these courses will be taken at the University of Saskatchewan's Western College of Veterinary Medicine. You must successfully complete all courses in Semesters 1 through 4 before enrolling in Semester 5. Semesters 4, 5, and 6 courses cannot be taken on a partial load basis.

School of Hospitality and Tourism

Culinary Arts
Diploma

Location

- Prince Albert
- Regina
- Saskatoon

Start date

September, January, and May intakes

- September intake: Prince Albert, Regina and Saskatoon
- January intake: Saskatoon
- May intake: Saskatoon
- Note: Prince Albert and Regina's intakes are offered from the fall to spring. After a summer break, the upcoming semesters will begin the following fall. Saskatoon has all semesters offered concurrently for a total of one and 1/3 years of studies with no summer break.

Duration

- Total length of training is 64 weeks (4 semesters of 16 weeks each semester). Note that the Regina and Prince Albert programs both close for the summer between semesters two and three, and Saskatoon continues year-round.

Admission requirements

- Grade 12
- You must be 18 years old as of the program start date in the year of admission
- English Language Requirement

Program overview

Turn your passion for food into a career. Saskatchewan Polytechnic's Culinary Arts diploma program is hands on, fast paced and cutting edge—and the only four semester advanced culinary training program in Saskatchewan.

Get the professional training you need to launch a career in cooking, whether you're interested in a career in restaurants, hotels, resorts, private clubs, catering, institutional settings or running your own restaurant. We train the next generation of culinary leaders.

Culinary Arts is a four semester diploma program offered at Saskatchewan Polytechnic Prince Albert Campus, Regina Campus and Saskatoon Campus. Your instructors are all experienced Red Seal chefs. They will introduce you to cooking principles and practices, everything from baking to breakfasts, garde manger to a la carte, and meats, seafood and poultry to vegetables, starches and pasta. Here are some of the exciting culinary subjects you will be exposed to:

- baking and pastry
- catering and special event cooking
- Contemporary cuisine and modern food trends
- field to fork experience
- fine dining
- meat cutting and cooking
- regional foods and Indigenous foods
- sauces and soups
- short order food production
- vegetable cooking
- wines and beverages
- world cuisines

Intensive, Hands-On Education

From food prep to short order cooking to fine dining, you will learn what it is like to work in a commercial kitchen—you'll spend your time learning new skills and applying new knowledge through a combination of hands-on learning, online learning, and participation in actual food events. You will also learn about kitchen management and industry trends to help you with your future career.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Diploma to Degree

Diploma graduates are eligible to take the Bachelor of Applied Management degree right here at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Career Opportunities

On graduation, you will be qualified to work as a first cook, sous chef, pastry chef, chef de partie, banquet chef, garde manager, junior chef or kitchen supervisor in many different settings. Build your career resume as you work your way up in restaurants, hotels, resorts, catering and private clubs. Look for career opportunities in institutional and corporate settings or use what you've learned to start your own business. Our graduates have over a 90% success rate in finding work within six months of graduation.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities

accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

CKNG 140	Kitchen Operations
CKNG 143	Stocks, Soups and Sauces
CKNG 144	Garde Manger
CKNG 150	Kitchen Foundations
EQPT 119	Tools and Equipment
PLAN 179	Menu Development
SAFE 115	Safety in the Professional Kitchen

Year 1 - Semester 2

CKNG 142	Vegetables, Starches and Complimentary Proteins
CKNG 146	Meat, Seafood and Poultry Processing
CKNG 147	Meat, Seafood, Poultry and alternative/plant based proteins cooking
CKNG 219	Charcuterie
CKNG 223	Food Presentation
CKNG 285	International Cuisine
NUTR 104	Nutrition

Year 2 - Semester 3

CKNG 141	Bakery 1
CKNG 182	Bakery 2
CKNG 225	Hors d'oeuvres
CKNG 284	Baking and Pastry Arts
CKNG 287	Indigenous Cuisine
CKNG 290	Catering Production
CKNG 292	Food Services Management

Year 2 - Semester 4

CKNG 145	Breakfast
CKNG 217	Line Cooking
CKNG 218	Dining 1
CKNG 221	Dining 2
CKNG 222	Sauces
CKNG 224	Field to Fork
CLTR 100	Diversity
PROF 102	Professionalism in Culinary Arts

Food and Beverage Service

Applied Certificate

Location

- Prince Albert

Start date

There are no offerings planned at this time. For more information, contact Dean Hartsook, Program Head, at dean.hartsook@saskpolytech.ca or (306) 659-4060.

Duration

- 12 weeks

Admission requirements

- Grade 10
- English Language Requirement
- You must be 19 years old as of the program start date in the year of admission

Program overview

Intake to this program is suspended for the 2023-24 and 2024-25 academic years.

Well-trained, knowledgeable food and beverage professionals are always in demand. Popular local restaurants, hotels and convention centres compete with five-star resorts and international chains for the best talent.

If you see food and beverage service as a career with great flexibility, amazing mobility and excellent earning potential, Saskatchewan Polytechnic's Food and Beverage Service program is step one on the road to a successful career as a server, bartender or host/hostess.

Food and Beverage Service is a 12-week applied certificate offered full-time on campus in Prince Albert. The program's five courses cover fundamental knowledge and skills. You'll get hands-on practical skills in:

- bar management and mixology
- customer service skills
- food and beverage service
- food safety and WHMIS

Interested in a Management Career?

Use your Saskatchewan Polytechnic Food and Beverage Service applied certificate as a stepping stone into the Hotel and Restaurant Management diploma. It's a great way to expand career options and earning power.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards journeyperson status. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC) or the Saskatchewan Tourism Education Council (STEC).

Career Opportunities

As a Food and Beverage Service graduate, you'll have the entry level skills you need to work as a server, bartender or host/hostess in restaurants, hotels, convention centres, resorts and more.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

BAR 280	Bar Management and Mixology
CUST 100	Customer Service Skills
FOOD 190	Fundamentals of Restaurant Service
FOOD 192	Applied Restaurant Service
FOOD 193	Applied Restaurant Service 2 and WHMIS
HADM 187	Hospitality Career Development
SANT 109	Safe Food Management

Food and Nutrition Management
Diploma

Location

- Saskatoon

Start date

- September

Duration

- 70 weeks:
  - Year 1 - 35 weeks; Year 2 - 35 weeks

Admission requirements

- Grade 12
- English Language Requirement

Note

- Employers and/or supervisors of practicums may require a Criminal Record Check and/or security clearance before you can complete the program requirements. The cost of the Criminal Record Check and/or security clearance are the responsibility of the student.
- Students will need to have experience with Microsoft Word and PowerPoint prior to entering the program.
- Practicum experiences are assigned by the Food and Nutrition Management program in partnership with industry partners. There are limited placements at each location. Enrolment in the program will require acceptance of the practicum as assigned and this placement may be outside of Saskatoon.

Program overview

If you possess a passion for food, a strong inclination towards nutrition and healthy eating, and take pleasure in leading people in a fast-paced environment, Saskatchewan Polytechnic's Food and Nutrition Management (FNM) diploma program would be an excellent fit for your career path! This nationally accredited program is an excellent choice to equip you with the necessary skills to thrive in a supervisory role that blends the dynamic food service industry with the evolving healthcare sector.

Graduates are prepared to pursue a variety of rewarding careers in food and nutrition management including hospitals, long-term care facilities and retirement homes, hotels, restaurants, post-secondary institutions, remote mine sites, daycares and schools, food service sales and more.

We Know What it Takes

By enrolling in our program, you will have the opportunity to learn from our experienced faculty members who possess extensive industry experience and knowledge in nutrition, menu planning, food production, and customer and employee relations, thereby helping you develop the skills needed to become a leader in foodservice management.

Networking Opportunities

As a student of the program, you will have the opportunity to join student branches of the Saskatchewan Society of Nutrition Managers (SSNM) and the Canadian Society of Nutrition Management (CSNM). As student members, you will build on your networking skills in the foodservice and hospitality sector and have the opportunity to apply to association-sponsored bursaries and scholarships.

Hands-on Learning

Sask Polytech's focus is on practical-based, hands-on programming instructed by faculty members with vast industry experience. Our practical training is conducted in a variety of settings, including our culinary labs, simulation center, and community-based partnerships. We even take you to La Ronge and manage a food service operation as your capstone project!

Program Highlights

One of the unique features of the FNM program is the emphasis on nutrition. You will learn about changing dietary and nutrient needs throughout the lifecycle and how those changes affect health, particularly for seniors at home and in long term care settings. You will also learn how to conduct nutrition assessments and modify foods to fit therapeutic and specialized diets. This focus on nutrition ensures that graduates are well-equipped to put nutrition on the menu, an increasingly important aspect of food and nutrition management.

The program also focuses on diversity. There will be chances for you to acquire knowledge and contemplate (de)colonization, the viewpoints, traditions, and culinary practices of Indigenous nations in Canada, as well as actions to contribute to reconciliation through food. Your programming recognizes that food is medicine, which can go a long way towards healing.

One of the key features of the program is our community partnerships. We maintain strong relationships with the Saskatchewan Health Authority, which allows students to participate in work placement experiences in the second year of the program. We have also built strong partnerships within the community and have incorporated these partnerships into your programming by way of quantity food production for elementary schools and the Friendship Inn and in-services and communication skill development with the Global Gathering Place. This highly regarded aspect of the program allows you to gain real-world experience in the field and build industry contacts.

Diploma to Degree

Diploma graduates can take advantage of the opportunity to pursue a Bachelor of Applied Management degree with only two years of additional study, right here at Sask Polytech Remote classes and part-time options are available for students who prefer flexibility in their schedules.

With a Sask Polytech diploma, graduates can also pursue degree programs at Athabasca University in Alberta, or even use their diploma as credit toward becoming a journeyperson cook. Overall, the Food and Nutrition Management program is an excellent choice for individuals seeking a rewarding career in this fast-growing industry.

Career Opportunities

When you graduate, you'll be able to work as a food service supervisor, catering manager, nutrition manager, diet technician, quality control manager or marketing/sales consultant for a food manufacturer. Look for jobs in the food service departments of hospitals and long-term care homes, private care homes, in hotels, restaurants and catering companies, in primary and secondary schools, colleges, correctional facilities and retirement communities.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

ACCT 191	Accounting
CAPL 151	Career Development
COM 101	Written and Oral Communications
FOOD 108	Basic Food Preparation
FOOD 183	Principles of Food Preparation
NUTR 180	Nutrition and Healthy Living
PLAN 102	Fundamentals of Service
SANT 111	Safe Food Management

Year 1 - Semester 2

ASRT 180	Assertiveness Training
CLTR 100	Diversity
COMM 291	Interpersonal Communications
COMP 174	Introduction to Microsoft Excel 1
FOOD 115	Quantity Food Production
FOOD 202	Contemporary Trends in Food Service
MGMT 107	Introduction to Food Service Management
PLAN 179	Menu Development
PLAN 200	Food Service Planning and Layout

Year 1 - Semester 3

NUTR 186	Diet Therapy 1
NUTR 194	Introduction to Computrition Software

Year 2- Semester 4

FOOD 203	Food Modification
FOOD 281	Food and Beverage Cost Controls
HLTH 200	Health Care Operations
MGMT 215	Organizational Behaviour for the Food Service Industry
MKTG 181	Purchasing
MKTG 283	Marketing
NUTR 202	Diet Therapy 2
PLAN 202	Applied Service

Year 2 - Semester 5

FIN 281	Financial Management
HR 202	Human Resources Management in the Food Service Industry
LEAD 203	Leadership in the Food Services and Hospitality Industry
NUTR 203	Nutrition Care Planning Through the Life Cycle
PLAN 201	Food Service Operations Planning
PRAC 208	Practicum

Year 2 - Semester 6

PROJ 212	Food Service Operations Management

Food Service Cook

Applied Certificate

Location

- Prince Albert

Start date

January

Duration

- 16 weeks

Admission requirements

- Open Access
- English Language Requirement

Program overview

If you want to get into the workforce quickly and you like working in fast-paced environments, Saskatchewan Polytechnic's Food Service Cook program is a great choice. Food service cooks prepare meals and snacks for large numbers of people—and they are in high demand in restaurants, hotels, resorts, health and educational institutes, remote mining camps and more.

The program is designed with industry input to help make your training as practical and realistic as possible.

Food Service Cook (formerly called Short Order Cooking) is an intensive 12-week applied certificate program offered through Saskatchewan Polytechnic Prince Albert campus. You'll get the kind of entry level cooking skills and hands-on experience employers want, while learning how to prepare a large number of orders. Get practical experience in:

- basic cooking principles
- soups, pastas and cold foods
- breakfast and dairy
- meat and poultry basics
- kitchen tools and equipment
- professionalism
- safety, sanitation and WHMIS

This program is delivered when a minimum number of students has been reached. To place your name on the interest list:

- Contact Paul Wheeler, program head at paul.wheeler@saskpolytech.ca

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

When you graduate from the Food Service Cook program, you'll have the knowledge and skills for a wide variety of jobs. Work full or part time in coffee shops, restaurants and hotels. Look for positions in health care and educational institutes, fly-in fishing resorts, mining and construction camps, and more.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

CKNG 103	Garde Manger
CKNG 119	Breakfast Cooking Fundamentals
CKNG 139	Introduction to Cooking
CKNG 153	Introduction to Indigenous Cuisine
FOOD 103	Quantity Food Production
FOOD 104	Quantity Meat Preparation
FOOD 105	Quantity Preparation of Vegetables and Starches
FOOD 106	Quantity Preparation of Soups and Sauces
SFTY 111	Safety, Sanitation and WHMIS

Forest to Fork
Applied Certificate

Location

Start date

Varies by brokerage

Duration

- 20 weeks

Admission requirements

- Open Access

Program overview

The Forest to Fork applied certificate program introduces students to three different post-secondary choices, including the Integrated Resource Management diploma, the Retail Meat Specialist applied certificate, and the Professional Cooking certificate. Students learn a wide range of topics that will introduce them to the ideas of food security; beginning with plant species in Saskatchewan and their uses, processing wild meat properly and, finally, to getting it on the table with proper cooking techniques. You'll develop knowledge and practical skills in:

- provincial firearm safety
- humane trapping

- hide tanning
- plant identification
- processing beef and wild game
- cooking meats
- beading
- chainsaw safety
- wilderness survival
- maps and compassing

Career Opportunities

Graduates may find employment in meat cutting and processing, with outfitters as guides, field dressers and cooks, and entrepreneurship opportunities. Successful completion of the program can also be a step towards completing Saskatchewan Polytechnic's Integrated Resource Management, Professional Cooking and Retail Meat Specialist programs.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

EQPT 401	Small Motors
MAPS 101	Introduction to Mapping and Compassing
MEAT 101	Meat, Seafood and Poultry Processing (Practical)
MEAT 102	Meat, Seafood and Poultry Cooking (Theory)
MEAT 103	Meat, Seafood and Poultry Cooking (Practical)
MEAT 195	Meat Science
MEAT 282	Beef Hind Retail Cuts
MEAT 283	Beef Front Retail Cuts
SAFE 110	Safety, Sanitation and Tools
SAFE 111	Firearms Safety
SFTY 106	Wilderness Survival
TAXO 101	Edible Plants of the Boreal Forest
WILD 102	Humane Trapping
WILD 103	Tanning and Beading Hides

Health Care Cook
Certificate

Location

- Moose Jaw
- Prince Albert

Start date

September (Moose Jaw and Prince Albert)

Duration

- 39 weeks

Admission requirements

- Grade 10
- Effective September 2024: Grade 12
- English Language Requirement

Note:

- A student must complete the work experience component to graduate from the program.
- International students who do not have a co-op work permit will not be allowed to participate in the work experience component of this program. It is the student's responsibility to ensure they have the required documentation to study in Canada and a co-op work permit to complete the practicum requirements of this program.
- Admitted students will be required to provide evidence of a Canadian Criminal Record Check prior to entering the work experience component of this program. At the discretion of the employer, a student may be declined access to a work experience placement based on the contents of the Criminal Record Check. The cost of the Criminal Record Check is the student's responsibility.

Program overview

Health care is a rapidly growing industry, and the need for skilled and knowledgeable cooks is at an all-time high. This demand for health care cooks has created an exciting and dynamic career path for individuals interested in the culinary arts and health care industry. Health care cooks play a critical role in ensuring that patients and residents receive nutritious and delicious meals that meet their specific dietary needs and preferences. They are responsible for creating menus, preparing meals, and adhering to strict food safety and sanitation regulations in hospitals, long-term care facilities, rehabilitation centres, and other healthcare settings.

The health care cook program is an intensive 39-week certificate program offered through Saskatchewan Polytechnic Moose Jaw Campus and Prince Albert Campus. You will gain experience in:

- food safety and sanitation
- cooking skills specific to healthcare and institutions
- nutrition and specialized diets
- food modification for therapeutic menus
- menu development and recipe standardization
- cultural competency
- kitchen operations and professionalism in healthcare

You will learn how to interact with patients and residents, modify diets to meet specific texture and nutritional requirements related to medical conditions, and work as part of an interdisciplinary team.

You will combine hands-on cooking skills with theoretical knowledge to gain valuable health care cooking experience.

A career in health care cooking can be challenging, but also highly rewarding. Health care cooks have the opportunity to make a meaningful difference in the lives of patients and residents by providing them with the nourishment they need to recover and thrive. Cooking in health care is a dynamic and fast-paced environment where you will be expected to collaborate with health care teams and use your culinary skills to create meals that are both delicious and nutritious. If you have a passion for cooking and a desire to make a difference in people's lives, a career as a health care cook may be the perfect fit for you!

Career Opportunities

When you graduate from the Health Care Cook program, you'll have the knowledge and skills for a wide variety of jobs in the health care sector, and work full-time or part-time in hospitals, long-term care homes, personal care homes and more. Learn more about health careers in Saskatchewan.

You will also possess all of the knowledge to work effectively as a cook in other institutions such as group homes, daycares, schools and penitentiaries.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.asp for more information on transfer credit.

Courses

CKNG 149	Cold Foods
CKNG 151	Introduction to Cooking in Healthcare
FOOD 110	Regional and Cultural Foods
FOOD 113	Vegetables and Starches
FOOD 114	Stocks, Soups, and Sauces
NUTR 105	Introduction to Nutrition
PLAN 100	Special Event Planning
PLAN 101	Kitchen Operations in Health Care Settings
SAFE 113	Kitchen Safety
SANT 111	Safe Food Management
CKNG 152	Breakfast Cooking
FOOD 102	Short Order Food Production
FOOD 111	Quantity Food Preparation
FOOD 112	Meat Preparation
HLTH 200	Health Care Operations
NUTR 102	Special Diets 1
NUTR 103	Special Diets 2
PLAN 179	Menu Development
BAKE 105	Baking
PROF 101	Professionalism in the Food Service Sector
WORK 138	Work Experience

Hospitality and Tourism Management
Post-Graduate Certificate

Location

- Prince Albert

Start date

September and January

Duration

- 32 weeks

Admission requirements

- A conferred bachelor's degree in any discipline from a recognized post-secondary institution
- English Language Requirement

Program overview

Saskatchewan Polytechnic's School of Hospitality and Tourism is well known for the quality of our programs, demonstrated by a 94% graduate employment rate. Join the growing network of Sask Polytech alumni making their mark in leadership positions in one of the world's fastest growing industries.

The Hospitality and Tourism Management post-graduate certificate is a one-year post-graduate program that combines the best of two worlds to fast-track you into a management career.

Hospitality and tourism are dynamic, diverse industries. The management skills you build at Sask Polytech let you move easily between hospitality to tourism sectors -- but you can apply them to careers in other sectors as well, including health care, education, financial services, and marketing and communications.

The one-year post-graduate certificate program condenses the core skills of two diploma programs into an advanced one-year course that will set you up for leadership roles in hospitality and tourism. Build skills in financial management, human resources, sales and marketing, leadership and group dynamics, business planning, organizational behaviour and more. You'll also gain specific skills in hotel, restaurant, tourism and facility management.

Campus Community

Offered at Sask Polytech's Prince Albert Campus, the program offers small class sizes with more one-on-one instructor time. You'll build your career network as well as new friendships as you learn in the classroom, hands-on labs and practical work experiences.

School of Hospitality and Tourism

Expand Your Career Horizons

An undergraduate degree from an accredited university is the prerequisite to enrolling in the Hospitality and Tourism Management post-graduate certificate. The program is designed to help you leverage your degree and expand your career horizons by building your core management and leadership skills -- transferable skills in high demand in every sector.

Career Opportunities

Adding a post-graduate certificate in Hospitality and Tourism Management adds practical skills to your resume. Use it to leverage your undergraduate degree into a management career path. Pursue a management career in hotels, restaurants, catering companies, golf and country clubs, casinos, resorts, convention centres and retirement communities. Focus on a management career with municipal leisure departments, regional tourism associations, community development organizations, chambers of commerce, sport organizations, health districts and more.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

FIN 604	Finance and Revenue Management
HT 600	Trends in the Hospitality and Tourism Industry
HT 601	Special Event Management
HT 602	Customer Service Management in a Diverse World
LEAD 601	Leadership and Professionalism

Semester 2

HR 600	Human Resource Management
HT 603	Managing Hospitality Operations
HT 604	Entrepreneurship in the Hospitality and Tourism Industry
MKTG 603	Marketing in a Social Media Environment
PROJ 612	Capstone Project

Hotel and Restaurant Management
Diploma

Location

- Regina
- Saskatoon

Start date

- September

Duration

- 70 weeks:
  - Year 1 - 35 weeks; Year 2 - 35 weeks

Admission requirements

- Grade 12
- English Language Requirement
- You must be 18 years old as of August 15 in the year of admission

Note

Students will need to have experience with Microsoft Word and PowerPoint prior to entering the program

Program overview

Looking to start a successful career in management? The hospitality industry is the place to be! With countless opportunities in hotels, resorts, restaurants, casinos and more, you'll have a wealth of options to choose from. And with Saskatchewan Polytechnic's Hotel and Restaurant Management program, you'll gain the knowledge and skills you need to excel in this exciting field.

Our two-year diploma program is designed to give you the core management skills necessary to succeed in any industry, with a particular focus on hotel and restaurant operations. You'll learn from experienced professionals and gain hands-on experience in accounting, human resources, sales and marketing, catering, and convention management, cooking and food preparation, food and beverage service, hotel front office and housekeeping.

At Sask Polytech, we're proud of our growing network of alumni who have gone on to leadership positions in the hospitality industry. With your energy, enthusiasm, and people skills, combined with our comprehensive training program, you'll be well on your way to joining their ranks. Don't miss out on this exciting opportunity – enroll in our Hotel and Restaurant Management program today at either our Regina or Saskatoon campus.

Career Opportunities

The world is your oyster as a Hotel and Restaurant Management graduate! With endless possibilities in the job market, you're not limited to just hotels and restaurants. Opportunities await in casinos, resorts, cruise ship lines, convention centres, private clubs, golf courses and even seniors' communities.

Imagine yourself in a supervisory or management position, overseeing all aspects of hotel administration, front office and housekeeping operations, banquet and catering events, food and beverage services and sales and marketing initiatives. With your

diploma, you can even start your own business and become an entrepreneur in the hospitality industry.

The world is full of excitement and adventure for those with a passion for hospitality. So why not explore all that the industry has to offer? From the bustling city life to the tranquil countryside, there's a place for you to shine and make a difference in people's lives. So, take the leap and dive into your dream career today.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

ACCT 191	Accounting
ASRT 180	Assertiveness Training
COM 101	Written and Oral Communications
COMP 174	Introduction to Microsoft Excel 1
ECON 280	Economics
FOOD 108	Basic Food Preparation
FOOD 172	Customer and Restaurant Service Techniques
FOOD 194	Purchasing
HADM 188	Rooms Division Management
SANT 109	Safe Food Management

Year 1 - Semester 2

COOK 197	Short Order Cooking
FOOD 192	Applied Restaurant Service

Year 1 - Semester 3

CAPL 150	Hospitality Career Development
CLTR 100	Diversity
COMM 291	Interpersonal Communications
COMP 175	Introduction to Microsoft Excel 2
FIN 281	Financial Management
FOOD 109	Catering
MGMT 184	Introduction to Management
SPSY 280	Introductory Psychology

Year 2 - Semester 4

BLAW 283	Law in the Hospitality Sector
FOOD 200	Restaurant Cost Controls & Menu Planning
MGMT 286	Organizational Behaviour for the Hospitality Industry
MKTG 270	Sales and Event Management
MKTG 284	Hospitality Marketing
PLAN 282	Planning and Layout

Year 2 - Semester 5

PRAC 276	Specialization Field Placement

Year 2 - Semester 6

BAR 200	Bar, Wine and Spirits
HADM 184	Revenue and Operations Management
HR 280	Human Resource Management
PLAN 286	Wine and Dine Planning
PROJ 208	Business Plan Development
PROJ 209	Wine and Dine Service
PROJ 210	Wine and Dine Production

Note: Some courses will be delivered in the evening. Dates and times will be communicated once the program begins.

Professional Cooking
Certificate

Location

- Moose Jaw
- Prince Albert

Start date

- Varies
  - September - Moose Jaw (International Students)
  - September - Prince Albert

Duration

- 35 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

Intake to this program is suspended for the 2022/2023 and 2023/2024 academic years.

Are you a high school graduate, looking for a new career or a lifelong learner? Do you love to cook? Do you thrive in high-energy environments? Then check out Saskatchewan Polytechnic's Professional Cooking program. Professional Cooking is Saskatchewan's most recognized culinary training program and is quickly becoming a nationally and internationally recognized credential—it's your fast track to a career.

Program participants gain fundamental skills in food preparation, cooking, time management, critical thinking and develop the confidence to advance their career in the world of food. Our graduates are working as cooks, kitchen managers, banquet chefs, sous chefs and chefs … in Saskatchewan, around the province, across Canada, on cruise ships, in vacation resorts and at upscale fishing lodges.

Professional Cooking is a one-year (35 week) certificate program offered at Saskatchewan Polytechnic Moose Jaw campus and Saskatchewan Polytechnic Prince Albert campus. We'll give you the kind of hands-on training you need to work as part of a culinary

team. Our low student-to-instructor ratio means lots of one-on-one time with your instructors—all Red Seal certified cooks and many Certified Chefs de Cuisine. You'll build knowledge and practical skills in:

- basic cooking principles
- baking
- food presentation
- kitchen management
- meat, seafood and poultry preparation
- quantity food production
- short-order food production
- safety, sanitation and WHMIS

Our Kitchen is Your Classroom

Approximately 70% of your "class" time is hands-on training in Saskatchewan Polytechnic's well-equipped kitchens. You'll also get hands-on experience preparing foods for the campus cafeteria.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

When you graduate, you'll find employment opportunities in major hotels, restaurants, cruise ship companies, vacation destination resorts and catering facilities. There are jobs in institutional food service establishments, such as hospitals and care homes, and also in the growing retirement community market.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

BAKE 106	Bakery 1 (Theory)
BAKE 109	Bakery 2 (Practical)
BAKE 114	Bakery 1 (Practical)
BAKE 115	Bakery 2 (Theory)
BAKE 116	Bakery 3 (Theory)
BAKE 117	Bakery 3 (Practical)
CKNG 100	Food Presentation and Garnish (Theory)
CKNG 101	Food Presentation and Garnish (Practical)
CKNG 102	Garde Manger (Theory)
CKNG 103	Garde Manger
CKNG 104	Vegetables, Starches and Pasta (Theory)
CKNG 105	Vegetables, Starches and Pasta (Practical)
CKNG 106	Stocks, Soups, and Sauces (Theory)
CKNG 107	Stocks, Soups and Sauces (Practical)
CKNG 108	Breakfast and Dairy (Theory)
CKNG 109	Breakfast and Dairy (Practical)
CKNG 110	Basic Cooking Principles
CKNG 118	A la Carte Cooking
COMM 127	Fundamental Communication Skills
EQPT 108	Tools and Equipment
FOOD 100	Quantity Food Production
FOOD 102	Short Order Food Production
FOOD 107	Aboriginal Cuisine
MATH 281	Applied Mathematics
MEAT 100	Meat, Seafood and Poultry Processing (Theory)
MEAT 101	Meat, Seafood and Poultry Processing (Practical)
MEAT 102	Meat, Seafood and Poultry Cooking (Theory)
MEAT 103	Meat, Seafood and Poultry Cooking (Practical)
MGMT 101	Kitchen Management
SFTY 111	Safety, Sanitation and WHMIS

Recreation and Tourism Management

Diploma

Location

- Saskatoon

Start date

September

Duration

- 69 weeks
  - Year 1 - 32 weeks; Year 2 - 37 weeks

Admission requirements

- Grade 12 with the following subjects:
  - English Language Arts A30
  - English Language Arts B30
  - Any 30-level math
- English Language Requirement

Note:

- Students will need to have experience with basic computer applications such as Microsoft Office prior to entering the program.
- The program delivers several courses in off site and camp settings. These courses require overnight stays.

Program overview

People today are hungry for authentic experiences. They want to live large and connect with a community, both at home and on their travels. Sask Polytech's revamped and reimagined Recreation and Tourism Management (RTM) diploma program gives you the knowledge and skills you need to create, deliver and manage these experiences.

What sets the RTM program apart is that we develop managers and leaders--energetic, passionate people who want to make a difference in the industry. Our grads are community leaders, industry innovators, social entrepreneurs and change-makers.

The RTM program prepares you to join their ranks with applied learning in:

- basic business and computer skills
- cultural and community-based learning
- environmental sustainability
- leadership and management skills
- 195 hours applied, practical learning
- fund development and partnerships
- group tours, guiding and local capital
- municipal tourism management
- outdoor programming
- program and event planning
- sport management

Keep It Real

The revamped RTM curriculum puts even more emphasis on applied learning opportunities, including an innovative service industry lab, Indigenous knowledge sharing, seasonal camps and onsite learning at Wanuskewin Heritage Park.

Small Classes, Lifelong Friends

With average class sizes of 20-25 students, you'll enjoy a personalized learning experience and one-on-one time with instructors. The close relationships you build here will provide a solid foundation for growing your professional network.

2 + 2 Diploma to Degree

Use your RTM diploma to ladder into degree programs at Athabasca University, Langara College, Royal Roads University or University of Regina.

Career Opportunities

Our well-rounded curriculum lets you take your career in many directions--recreation, tourism, sports, leisure development, facility management, special events and more. Look for management and administrative opportunities with municipal leisure departments, regional tourism associations, community development organizations, sport organizations, health districts, fitness facilities, provincial/national parks and more. The choice of career opportunities is tailor-made for go-getters who love the active lifestyle and want to play a bigger role in local economic and social development.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

COMM 295	Business and Technical Writing
COMP 174	Introduction to Microsoft Excel 1
COMP 175	Introduction to Microsoft Excel 2
LEAD 180	Leadership and Group Dynamics
MKTG 170	Marketing in Recreation and Tourism
RSCH 200	Research Literacy
RT 170	Introduction to Recreation and Tourism Management
RT 185	Program Planning 1
RT 202	Diversity and Cultural Foundations

Year 1 - Semester 2

ENVR 151	Environmental Sustainability
MGMT 106	Organizational Management
MGMT 204	Community Facility Management
PE 181	Personal Health and Wellness in Communities
PE 282	Sports Administration
RT 172	Service Industry Operations Lab
RT 186	Inclusive Leisure
RT 187	Program Planning 2

Year 2 - Semester 3

ACCT 202	Organizational Accounting
ADMN 201	Fund Development and Partnerships
CAMP 280	Programming Lab 1
PR 281	Community Public Relations
RT 191	Introduction to Microeconomics
RT 200	Event Planning and Facilitation
RT 289	Community Development
RT 292	Outdoor Programming
TOUR 287	Community Based Tourism

Year 2 - Semester 4

BLAW 282	Law and Risk Management for Managers
CAMP 281	Outdoor Programming Lab
CAPL 200	Career Development
LEAD 200	Applied Leadership

RT 171	Economic Development
RT 203	Event Management Lab
RT 204	Business Planning for Service Oriented Operations
RT 205	Group Tours Guiding Skills, and Local Capital

Year 2 - Semester 5

PRAC 293	Recreation and Tourism Practicum

Retail Meat Specialist

Certificate

Location

- Prince Albert

Start date

August 2023
January 2024

For more information, contact Paul Wheeler at paul.wheeler@saskpolytech.ca

Duration

- 32 weeks

Admission requirements

- Grade 10
- English Language Requirement

Note

Employers and/or supervisors of the practicum may require a Criminal Record Check and/or security clearance before you can complete the program requirements.

Program overview

Retail Meat Specialist is a certificate program offered on-campus and in partnership with Saskatchewan regional colleges. It will help you develop the skills you need to be successful in the meat-cutting industry. Throughout this innovative program, you will benefit from extensive hands-on experience needed to work in "state of the art" meat cutting facilities. Our comprehensive curriculum and highly trained instructors will help you develop the professional skills you need for success in the industry. The program is built around food safety and focuses on:

- muscle and skeletal structures
- preparing pork, beef, lamb and poultry
- curing and smoking meats
- merchandising seafood
- value-added oven ready products
- sanitation

A two-week practicum is an integral part of the program. It provides you with the opportunity to apply theory to practice. You will also have the opportunity to further develop your skills by practicing your new skills with Saskatchewan Polytechnic Food Services.

Career Opportunities

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

BUS 105	Small Business
CLTR 100	Diversity
MEAT 107	Ovine Carcass
MEAT 108	Bovine Carcass
MEAT 109	Charcuterie 1
MEAT 113	Fish, Seafood and Alternative Proteins
MEAT 195	Meat Science
MEAT 281	Porcine Carcass
SFTY 176	Safety and Tools

Semester 2

MEAT 110	Charcuterie 2
MEAT 111	Charcuterie 3
MEAT 112	Pork Retail Cuts
MEAT 282	Beef Hind Retail Cuts
MEAT 283	Beef Front Retail Cuts
MEAT 285	Poultry Retail Cuts
MEAT 288	Value Added Retail Products
PRAC 193	Retail Operations

School of Human Services and Community Safety

Autism Spectrum Disorder
Certificate of Achievement

Location

- Online/Distance

Start date

Varies - Continuing Education

Duration

- Delivered part time over several weeks

Admission requirements

- Grade 12
- English Language Requirement

Note: You do not apply or have admission requirements assessed for this program. You take courses through Continuing Education. Once you have successfully completed all the courses in the program, simply apply to graduate.

Program overview

The Autism Spectrum Disorder certificate of achievement will support your work with children living with Autism Spectrum Disorder (ASD), their families and the community of professionals that is important for the optimum development of the child.

Upon completion of the certificate of achievement, with a choice of focus on early childhood or school age, you will gain an understanding of the following:

- how to engage with a child with ASD
- history of ASD
- evidence-based practice
- program planning for children with ASD
- communication skills required when working with a child with ASD
- building relationships with family and community to support children with ASD

Inclusion is integral for the optimal development of a child with autism. It is important to see that each child has unique capabilities and competencies to contribute within their world. This certificate provides professionals the opportunity for acquiring the knowledge and understanding to make a positive impact in the lives of individuals with Autism Spectrum Disorder.

Career Opportunities

This certificate of achievement would support your career in working with individuals with autism. These skills are inclusive of professions such as early childhood educators, inclusion coordinators, educational assistants, teachers, early childhood interventionists (ECIP, ASD), KidsFirst staff, disability support workers and youth care workers.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

SPSY 102	Introduction to Autism Spectrum Disorder
SPSY 200	Communication Skills for Children with Autism Spectrum Disorder
SPSY 201	Manage Challenging Behaviors for Children with Autism Spectrum Disorder
SPSY 202	Family and Community Relationships for Clients with Autism Spectrum Disorder

Must take 1 of 2 (1 of 2)

SPSY 103	Programming for Children with Autism Spectrum Disorder in Inclusive School Settings
SPSY 203	Programming for Children with Autism Spectrum Disorder in Early Childhood Settings

Community Justice Worker
Applied Certificate

Location

- Online/Distance

Start date

Varies; view upcoming course availability. For more information, email ConEd@saskpolytech.ca or call 306-659-4418.

Duration

- 12 weeks

Admission requirements

- Grade 12
- English Language Requirement
- Note: You do not apply or have admission requirements assessed for this program. Courses are taken through Continuing Education. Once you have successfully completed all the courses in the program, simply apply to graduate.

Program overview

The Community Justice Worker applied certificate will provide you with an excellent foundation to pursue a career in the field of criminal justice as a Justice Worker or with an Alternative Measures program, with various agencies. This applied certificate will also give you the option to transfer into the Justice Studies program with a specialty in the Correctional Studies diploma or the Indigenous Police Foundations diploma.

Learn Online

You can take the courses for this applied certificate program through the School of Continuing Education. Develop your skills while you continue to work.

Community Justice Worker is an applied certificate program which gives you practical, applicable knowledge and skills in:

- writing in the public safety sector
- criminal justice system
- criminal law
- addictions and mental health
- interpersonal violence
- managing clients in public safety settings

Career Opportunities

Upon graduation, you'll be prepared for employment in a variety of public safety settings. Because our program works closely in partnership with justice agencies, our graduates are encouraged to apply to various entry-level job postings in the field of corrections, RCMP, municipal police agencies, First Nations communities, and outreach and alternative measures agencies.

Note: As a condition of employment students interested in a career as a community justice worker may be required to complete a Criminal Record Check (CRC) or other security requirements deemed necessary by the employer.

If you have a criminal record for which a record suspension (pardon) has not been granted, or a matter that is currently before the courts, you may be ineligible for employment.

For more information, contact Student Employment Services at the Saskatchewan Polytechnic campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

CORR 100	Managing Clients in Public Safety Settings
CORR 103	Writing in the Public Safety Sector
CORR 167	Criminal Justice System
LAW 162	Criminal Law
SPSY 119	Interpersonal Violence
SPSY 140	Addictions and Mental Health

Court Services Administrator
Applied Certificate

Location

- Prince Albert
- Regina
- Saskatoon

Start date

August 28, 2023 (Saskatoon campus) – cancelled January 2, 2024 (Regina campus) - program delivery will be remote/online and include an on-site work experience

- Delivery is subject to student enrollment

For more information about delivery of this program, contact Chloe Hetherton at 306-765-1791 or chloe.hetherton@saskpolytech.ca

Duration

- 16 weeks

Admission requirements

- Grade 12
- English Language Requirement

Note

- Students will need to have introductory level skills in Microsoft Office prior to entering the program.

- Accepted applicants are required to provide evidence of a Criminal Record Check for the work experience component of the program. The Criminal Record Check is not required for the start of the program. Your instructor will provide directions for acquiring the Criminal Record Check prior to the scheduled work experience. At the discretion of the community agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check. The cost of the Criminal Record Check is your responsibility. Program applicants should be aware that, for the purpose of the Criminal Record Check, they must request this from the police service in their home community, whether it is from a municipal/city police service or from the RCMP detachment that services their home area.

- If you have a criminal record for which a record suspension (pardon) has not been granted, or a matter that is currently before the courts, you may be unable to complete the program.

Program overview

Court Services Administrator is a 16-week applied certificate program offered at our Sask Polytech campuses and at some off-campus locations. You'll learn from highly trained instructors who have experience working within the court system. You'll study:

- court office systems and procedures
- criminal justice system and community justice programs
- criminal, civil and family law
- interpersonal communication and conflict resolution skills
- professionalism and ethics
- provincial legal acts, statutes and regulations
- record keeping, computer applications

Demand is growing for court services administrators. It's a unique career path with lots of job options. You could work in court support positions for courts, agencies, boards and tribunals, or in administrative positions in the justice sector.

Saskatchewan Polytechnic's Court Services Administrator program will help you develop strong skills in communication, multitasking and conflict resolution. We'll also help you strengthen your ability to work independently and as part of a team, and to work well with culturally diverse groups.

2-Week Work Experience

Your program includes a two-week work experience. It's a chance to apply your new skills in a court services setting, while also getting a feel for the important role you'll play in the court system.

Career Opportunities

When you graduate, you'll be prepared to work in a variety of court services settings, including provincial court, the court of Queen's Bench and prosecutors' offices. If you're more interested in administration, explore job opportunities with law firms, corporate boards, court reporting agencies and more.

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

CLTR 100	Diversity
CORR 100	Managing Clients in Public Safety Settings
CORR 159	Extrajudicial Programs
CORR 167	Criminal Justice System
LAW 162	Criminal Law
OPRL 142	Court Office Systems and Procedures
SPSY 160	Professional Behaviour and Ethics
WORK 168	Work Experience

Disability Support Worker
Certificate

Location

- Online/Distance
- Regina
- Saskatoon

Start date

- September

Duration

- 37 weeks

Admission requirements

- Grade 12

- English Language Requirement

Note

- Admitted students will be required to provide evidence of a Criminal Record Check and Vulnerable Sector Search prior to entering required coursework and practicum with children, youth and adults. At the discretion of the agency, a student may be declined access to a practicum placement based on the contents of the Criminal Record Check, personal interview and/or medical assessment. A student must complete the practicum placements to graduate from the program. The cost of the Criminal Record Check and Vulnerable Sector Search is the student's responsibility.
- Program applicants should be aware that, for the purpose of the Criminal Record Check and Vulnerable Sector Search, they must request this from the police service in their home country/community, whether it is from a municipal/city police service or from the RCMP detachment that services their home area.
- Proof of current Standard First Aid and CPR 'C' or equivalent may be required prior to entry into a practicum.
- Accepted international students require a co-op work permit to complete the practicum requirements for this program. This is mandatory. Students who do not have a co-op work permit will not be allowed to participate in their practicums. It is the student's responsibility to ensure they have the required documentation to study in Canada and a co-op work permit to complete the practicum requirements of this program.

Program overview

Do you like working with people? Do you believe everyone has the right to live life to the fullest? Saskatchewan Polytechnic's Disability Support Worker program offers the training you need to be a community service worker, supportive living worker, educational assistant or life enrichment worker.

Disability support workers are entrusted with the basic personal care of participants of all ages in residential and vocational settings. You'll need strong communication skills, a common-sense approach to problem solving, an intuitive understanding of human behaviour and a steady personality.

Disability Support Worker is a one-year certificate program offered at Saskatchewan Polytechnic Saskatoon campus. It is also offered through distance and/or continuing education. Learn from experienced instructors how to provide compassionate, respectful care for individuals with challenging needs and disabling conditions. You'll develop knowledge and practical skills in:

- basic care skills
- behavioural support and crisis prevention
- disability support services
- exceptionalities and human growth & development
- interpersonal, professional and employability skills
- person-centred planning
- quality of life enhancements

Enhancing Lives

As a disability support worker, you'll be working with people of all ages and varying levels of ability. The program not only provides the practical skills you'll need, it also provides a broad knowledge base. You'll have the tools you need to enhance individual lives, while also build a rewarding career for yourself.

Practical Experience

Practical experience is an essential part of your program. You'll get direct experience helping individuals in two practicums with residential, vocational centre-based or community-based agencies. In caring, secure and stimulating environments, you'll develop your skills in providing basic care, planning programs and implementing activities.

Career Opportunities

When you graduate, you'll be qualified to work as a disability support worker, supportive living worker, educational assistant, vocational training worker or community residential worker. Work environments include health care and long-term care facilities, educational institutions, group homes and more. Look for job opportunities with community-based agencies, school systems and government agencies.

For more information, contact the Student Employment Services at a campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

EMPL 180	Employability Skills
HLTH 104	Wholistic Health
ORTN 382	Orientation to Practicum
PERS 103	Basic Care Skills
PLAN 182	Person-Centredness
SAFE 109	Introduction to Crisis Intervention
SPSY 101	Introduction to Disability Support Worker and Services
SPSY 186	Understanding Exceptionalities 1

Semester 2

CLTR 100	Diversity
COMM 291	Interpersonal Communications
HLTH 182	Quality of Life Enhancements
HUMD 188	Human Growth and Development
HUMS 180	Comprehensive Behavioural Support
PRAC 382	Practicum 1
SPSY 291	Understanding Exceptionalities 2

Semester 3

PRAC 383	Practicum 2

Note: Students must be admitted to the program before taking the practicums.

Early Childhood Education
Certificate of Achievement

Location

- Prince Albert
- Regina
- Saskatoon

Start date

- Course start dates vary

Duration

- Course lengths vary

Admission requirements

- Open Access
- English Language Requirement

Program overview

As an early childhood educator, you will support children as they learn through play. Your role will be to create developmentally appropriate curriculum and design inviting and effective quality learning environments. You will learn how to develop holistic programs that include early literacy and language, creative arts, numeracy, and open-ended play experiences, both indoors and outdoors. Your responsibilities will include working alongside your colleagues to build relationships with children and families, community partners and other professionals.

Individuals may apply for Saskatchewan Polytechnic's Early Childhood Education (ECE) certificate of achievement once they have completed three courses: Health, Safety and Nutrition (ECE 142), Child Guidance 1 (HUMD 183) and Dynamics of Play 1 (ECE 106).

Topics of study include:

- learning through play
- child guidance techniques
- family and community relationships
- indoor and outdoor play environments
- healthy and safe early learning and child care environments
- nutrition requirements for young children

Career Opportunities

There is a high demand for educators in early learning and child care facilities in Saskatchewan. This certificate of achievement will allow you to work in group care settings with your children. It provides students with certification for entry-level positions in these facilities that meets the Ministry of Education's minimum requirements.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

ECE 106	Dynamics of Play 1
ECE 142	Health, Safety and Nutrition
HUMD 183	Child Guidance 1

Early Childhood Education
Certificate

Location

- Online/Distance
- Prince Albert
- Regina
- Saskatoon

Start date

- September (Saskatoon, Regina, Prince Albert)

Duration

- 38 weeks
  - Note: You may take the following courses prior to application and acceptance to the program, but must

apply thereafter: COMM 291, ECE 106, ECE 142, EMPL 180, HUMD 100, and HUMD 183.

Admission requirements

- Grade 12 with English Language Arts A30 and English Language Arts B30
- English Language Requirement

Note

- Accepted applicants are required to provide evidence of a Criminal Record Check prior to entering required coursework with children. At the discretion of the practicum agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check. If you do not complete the practicum, you will not graduate from the program. The cost of the Criminal Record Check is your responsibility.
- Accepted international students require a co-op work permit to complete the practicum requirements for this program. This is mandatory. Students who do not have a co-op work permit will not be allowed to participate in their practicums. It is the student's responsibility to ensure they have the required documentation to study in Canada and a co-op work permit to complete the practicum requirements of this program.

Program overview

Note: This page is for those students in the former certificate in ECE who were admitted to the program by June 30, 2020. Students admitted after July 1, 2020 should go to the Part time ECE Diploma page for courses. See Early Childhood Education diploma.

Present students can contact the student advisors for ECE:

- Marilyn Philipchuk at 306-659-4903 or marilyn.philipchuk@saskpolytech.ca
- Shelann Bundus at 306-775-7831 or shelann.bundus@saskpolytech.ca

Role of Play (ECE 106) has been re-named to Dynamics of Play 1 (ECE 106)

Young children making the transition from home to child care or preschool need an enthusiastic, positive role model. They need someone dedicated to encouraging learning and growth. They need … you. Get the knowledge and skills you need to work in a variety of child care settings.

Saskatchewan Polytechnic's one-year Early Childhood Education (ECE) certificate program gives you the knowledge and skills you need to work in a variety of childcare settings. You can take the program in Prince Albert, Regina or Saskatoon, through regional colleges around the province, or through distance learning wherever you live.

The ECE program integrates current research on early childhood education into all of your courses. You'll develop strong communication, observation and documentation skills. You'll receive well-rounded training in:

- child and adolescent development
- child guidance techniques
- role of early childhood educators
- role of play in programming
- values and practice of early childhood education
- programming for creative arts, language, cognitive, social and emotional development

The emphasis on observation and documentation is market-driven—these are essential to building positive relationships with families, and employers are eager to hire grads with well-developed skills.

Working with Children - You'll interact with young children throughout your program, thanks to Saskatchewan Polytechnic's partnerships with community and campus child care centres. Saskatoon students also have access to a unique learning opportunity—10% of all your courses are based on work in our Early Childhood Demonstration Centre.

At the end of your first and second semesters, you'll also participate in practicums (i.e., 4 weeks and 6 weeks), in a childcare or preschool setting. This real-world learning gives you a competitive edge in the workforce.

Want to Open More Doors? When you graduate, you're eligible to apply to become a licensed Level II Early Childhood Educator (ECE). Many childcare centres and preschools only hire licensed ECEs. You can also go on to earn a diploma in Early Childhood Education with one more year of study. Or, you can transfer some of your credits to the University of Regina's Bachelor of Education degree program in Elementary Education.

Career Opportunities

Early childhood educators are in demand in Saskatchewan—and employers are especially eager to hire Saskatchewan Polytechnic grads because of your well-rounded knowledge and up-to-date skills. Look for ECE jobs in childcare centres, preschools, family day homes, elementary school settings and even private homes.

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

COMM 291	Interpersonal Communications
ECE 100	Introduction to Early Childhood Education
ECE 106	Dynamics of Play 1
ECE 142	Health, Safety and Nutrition
ECE 181	Observation and Documentation 1
HUMD 100	Child and Adolescent Development
HUMD 183	Child Guidance 1

Semester 2

PRAC 104	Practicum 1

Semester 3

ECE 101	Roles and Values of the Early Childhood Educator
ECE 102	Programming for Creative Arts Development
ECE 103	Programming for Language Development
ECE 104	Programming for Cognitive Development
ECE 105	Programming for Social and Emotional Development
EMPL 180	Employability Skills

Semester 4

PRAC 105	Practicum 2

Note: Students may take the following courses prior to admission to the program, but must apply thereafter: COMM 291, ECE 106, ECE 142, EMPL 180, HUMD 100, and HUMD 183.

Early Childhood Education
Diploma

Location

- Online/Distance
- Prince Albert
- Regina
- Saskatoon

Start date

- August

Duration

- Year 1 - 32 weeks; Year 2 - 32 weeks

Admission requirements

- Grade 12 with English Language Arts A30 and English Language Arts B30
- English Language Requirement

Note

- Accepted applicants are required to provide evidence of a Criminal Record Check with Vulnerable Sector Check prior to entering required coursework with children. At the discretion of the practicum agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check with Vulnerable Sector Check. If you do not complete the practicum, you will not graduate from the program. The cost of the Criminal Record Check with Vulnerable Sector Check is your responsibility.
- Accepted international students require a co-op work permit to complete the practicum requirements for this program. This is mandatory. Students who do not have a co-op work permit will not be allowed to participate in their practicums. It is the student's responsibility to ensure they have the required documentation to study in Canada and a co-op work permit to complete the practicum requirements of this program.

Program overview

As an early childhood educator, you will support children as they learn through play. Your role will be to create developmentally appropriate curriculum and design inviting and effective quality learning environments. You will learn how to develop holistic programs that include early literacy and language, creative arts, numeracy, and open-ended play experiences both indoors and outdoors. Your responsibilities will include working alongside your colleagues to build relationships with children and families, community partners and other professionals.

Saskatchewan Polytechnic's two-year Early Childhood Education (ECE) diploma program is offered on-campus in Prince Albert, Regina and Saskatoon, or through regional colleges or distance learning, wherever you live.

Please note, based on availability your practicum may be outside of your program location.

It is a highly respected program that integrates the most current research on early childhood education. Topics of study will include:

- observation, assessment and documentation
- learning through play
- children with diverse abilities
- child guidance techniques
- family and community relationships
- play environments and program planning

- programming for infants, toddlers, pre-school, and school-age children
- administration and childcare regulations
- communication and employability skills

Build Your Confidence and Independence

Throughout the two years, you will have opportunities to work with children through four 4-week practicums in a variety of early learning and child care programs.

Through practical experience, you'll get the feedback you need to develop best practices, recognize stages of development, plan curriculum based on children's interests and needs and understand the impact of the environment on behaviour.

As a student you will participate in course work at your campus early learning and child care centre.

Certificate of Achievement (New)

Upon completion of the three courses (ECE 142 Health, Safety and Nutrition; ECE 106 Dynamics of Play [or Role of Play for ECE]; and HUMD 183 Child Guidance I), you may apply for a Certificate of Achievement from Saskatchewan Polytechnic.

ECE Certificate and Diploma (Previous)

Students who have previously met admission requirements and were accepted into either of the previous ECE programs have five years to complete. The previous ECE certificate program must be completed by 2025 and the diploma program by 2026. For students completing their existing certificate or diploma courses through PLAR, the same completion dates apply certificate 2025 and diploma 2026.

You may contact one of the following student advisors for assistance in making an education plan to complete your program.

- Marilyn Philipchuk at 306-659-4903 or marilyn.philipchuk@saskpolytech.ca
- Shelann Bundus at 306-775-7831 or shelann.bundus@saskpolytech.ca

Part-time students who have a few ECE courses from the previous program and wish to transfer into the revised program may want to review the Equivalency Chart. You will need to speak with a student advisor to develop a plan.

Year Two Practicum Options

Please examine the chart below to see the five practicum options available to you and the essential courses to be able to register for a year two practicum. The essential courses will prepare you for your chosen practicum option.

Year 2 Practicum Options

Essential Courses

For all Year two practicums- pre-requisite: PRAC 181, 105 OR 119

PRAC 217 Infant

ECE 221 Observation and Documentation 2 OR ECE 221 Observation and Assessment

and

ECE 202 Responsive Care for Infants and Toddlers OR ECE 202 Programming for Infants and Toddlers

PRAC 217 Toddler

ECE 221 Observation and Documentation 2 OR ECE 221 Observation and Assessment

and

ECE 202 Responsive Care for Infants and Toddlers OR ECE 202 Programming for Infants and Toddlers

PRAC 217 Frontline Educator

ECE 221 Observation and Documentation 2 OR ECE 221 Observation and Assessment

and

ECE 205 Curriculum Design in ECE 3 OR ECE 201 Program Planning in ECE

PRAC 217 Diverse Abilities

ECE 221 Observation and Documentation 2 OR ECE 221 Observation and Assessment

and

SPSY 289 Children with Diverse Abilities 2 OR ECE 203 Inclusion in Early Learning and Child care Settings

PRAC 217 Administration

No additional essential courses

PRAC 218 Administration, Infant, Toddler, Frontline or Diverse Abilities

All 10 Year 2 courses and PRAC 217

Become a Level III Early Childhood Educator

When you graduate from the ECE diploma you are eligible to apply to become a licensed Level III Early Childhood Educator (ECE) through the Ministry of Education of Saskatchewan. If you plan on becoming a childcare centre director, you must have your ECE III. If you are interested in going further, you will be able to transfer some of your credits to the University of Regina's Bachelor of Education degree program in Elementary Education.

Diploma to Degree

Ladder your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Career Opportunities

There's high demand for Level III ECEs in Saskatchewan. Your diploma allows you to work in group early learning and care settings with children from birth to age 12. Your career options could include working with children with diverse needs, working as a frontline educator or director in an early learning and childcare centre, working in a preschool or elementary school setting, a Kids First or Aboriginal Head Start program, early childhood intervention programs (ECIP), or a family day home or private home as a nanny.

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

ECE 100	Introduction to Early Childhood Education
ECE 106	Dynamics of Play 1
ECE 181	Observation and Documentation 1
HUMD 102	Growth and Development of Young Children
HUMD 183	Child Guidance 1
PRAC 104	Practicum 1

Year 1 - Semester 2

ECE 107	Effective Relationships in Early Childhood Environments
ECE 108	Curriculum Design in Early Childhood Education 1
ECE 109	Curriculum Design in Early Childhood Education 2
ECE 142	Health, Safety and Nutrition
PD 100	Professionalism 1
PRAC 119	Practicum 2

Year 2 - Semester 3

ECE 202	Responsive Care for Infants and Toddlers
ECE 203	Inclusion in Early Learning and Childcare Settings
ECE 205	Curriculum Design in Early Childhood Education 3
ECE 221	Observation and Documentation 2
HUMD 200	Child Guidance 2
PRAC 217	Practicum 3

Year 2 - Semester 4

ADMN 208	Introduction to Administration of Early Childhood Education
ECE 204	Dynamics of Play 2
ECE 220	Anti-Bias Education in Early Childhood
ECE 226	Responsive Care for School Age Children
PD 240	Professionalism 2
PRAC 218	Practicum 4

Educational Assistant

Certificate

Location

- Online/Distance
- Saskatoon

Start date

- September

Duration

- 36 weeks
  - Students may take the following courses prior to application and acceptance to the program, but must apply thereafter: HUMD 100, COMM 291, JOBS 125 and PERS 103.

Admission requirements

- Grade 12
- English Language Requirement

Note

- Accepted applicants may be required to provide evidence of a Criminal Record Check and/or Vulnerable Sector Checks prior to entering the practicum component of the program. At the discretion of the practicum agency, the student may be

declined access to a clinical or work placement based on the contents of the Criminal Record Check and Vulnerable Sector Checks. The cost of the Criminal Record Check and Vulnerable Sector Checks are the responsibility of the student.
- Accepted international students require a co-op work permit to complete the practicum requirements of this program. This is mandatory. Students who do not have a co-op work permit will not be allowed to participate in their practicums. It is the student's responsibility to ensure they have the required documentation to study in Canada and a co-op work permit to complete the practicum requirements of this program.

Program overview

If you like working one-on-one with kids with different needs, and you want to see them included in the classroom, becoming an educational assistant might be the career for you. Educational assistants provide the all-important one-on-one support that makes today's inclusive classrooms possible.

The Educational Assistant program is respected by school boards province wide. We'll teach you the skills and give you the hands-on experience you need to make a lasting difference in a child's life.

Saskatchewan Polytechnic offers the one-year Educational Assistant certificate program in Saskatoon, as well as through regional colleges around the province. Or, you can take the certificate through distance education. Whether you study on campus or via distance learning, you'll participate in two 4-week practicums - one in an elementary school, one in a high school.

Why Practicums? Putting you in the classroom lets you apply what you've learned to helping children with different needs. You'll see firsthand the kind of technology being used and the curriculum being taught. You'll have a package of guidance strategies to help deal with situations as they arise. Most importantly, you'll gain a solid understanding of what to expect in a real classroom with real kids.

What You'll Learn - Your job is to assist classroom teachers by working with children or youth with diverse learning needs. Saskatchewan Polytechnic provides the knowledge and skills you'll need, including:

- basic care skills (lifting to feeding)
- classroom management and crisis prevention techniques and strategies
- communication skills and professionalism
- cultural awareness and family dynamics
- exceptionalities (causes, characteristics and accommodations)
- social, emotional, cognitive development (children and teens)
- supporting teachers in specific subject areas
- your role in the classroom

"Our students always say that the practicums are their favourite part of the program. They get to see what the job is really all about. It's one thing to learn from lectures and textbooks, but being in the classroom really puts it in perspective." - Program Head

Career Opportunities

Educational Assistant graduates work in elementary, junior high and high schools in communities around the province. School divisions offer full time, part time and casual positions. You might be based in the classroom or resource room. You might assist with a lunch program or a before/after school program.

You can also explore career opportunities outside the traditional school setting—in youth centres, community centres, care facilities and alternative education programs.

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

EDUC 180	Supporting Instruction I
HUMD 100	Child and Adolescent Development
HUMD 101	Guiding Behaviour
PD 101	Professionalism in the Educational Setting
PRAC 174	Practicum 1
SPSY 281	Studies of Exceptionality A

Semester 2

CLTR 100	Diversity
COMM 291	Interpersonal Communications
EDUC 181	Supporting Instruction 2
FMLY 181	Family Dynamics
JOBS 125	Essential Job Skills
PERS 103	Basic Care Skills
PERS 104	Personal Wellness
SPSY 282	Studies of Exceptionality B

Semester 3

PRAC 175	Practicum 2

School of Human Services and Community Safety

Esthetician-Nail Technician
Certificate of Achievement

Location
- Prince Albert
- Saskatoon

Start date
- Prince Albert - September 2023 (cancelled), January 2024
- Saskatoon - January 2024

Please contact Ashley Dugan at 306-659-4921 or ashley.dugan@saskpolytech.ca for more information.

Duration
- 14 weeks

Admission requirements
- Grade 10
- English Language Requirement

Program overview

Please note: This program is currently not offered on a part-time basis.

Esthetician-Nail Technician is a certificate of achievement program delivered on-campus in the evenings. The program provides you with knowledge and skill development in working with and enhancing nails. At the Saskatchewan Polytechnic Salon &; Spa, you will receive training in manicuring, pedicuring, nail art and lacquers, Gel nails and toes, Acrylic nails, and nail wraps. You will also develop salon management, communication and customer service skills.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you will be eligible for credit towards journeyperson status. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Career Opportunities

Graduates may find employment in salons, spas and wellness centres.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

BUS 010	Nail Salon Operations
NAIL 010	Nail Enhancements
NAIL 101	Manicures and Pedicures
PRAC 010	Customer Service Practicum 1
PRAC 011	Customer Service Practicum 2
SANT 010	Sanitation, Safety and Hygiene for Nail Technicians

Esthetician-Skin Care Technician
Certificate

Location
- Prince Albert
- Saskatoon

Start date
- Prince Albert - September
- Saskatoon - TBD
- Please contact Ashley Dugan at 306-659-4921 or ashley.dugan@saskpolytech.ca for more information. If you are interested in adding your name to the list for the Saskatoon program offering, please fill out the form.

Duration
- 29 weeks

Admission requirements
- Grade 10
- English Language Requirement

Program overview

Note: This program is currently not offered on a part-time basis.

Esthetician-Skin Care Technician is a certificate program that provides knowledge and skill development in preventative skin care and treatments to keep skin healthy and attractive.

At the Saskatchewan Polytechnic Salon &; Spa, you will receive training in:

- skin care and facials

- make-up and application techniques
- eyebrow shaping
- waxing and tinting
- eyelash application and tinting
- manicures
- pedicures
- epilation/unwanted hair removal
- specialized skin care
- spa and body treatments

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you will be eligible for credit towards journeyperson status. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Career Opportunities

Graduates may find employment in salons, spas and wellness centres.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

BUS 103	Spa Operations
ESTH 101	Foundations of Esthetics
ESTH 102	Skin Care Techniques
ESTH 103	Make-up Artistry
ESTH 104	Machine Applied Facial and Body Treatments
ESTH 105	Esthetics Treatments and Massage
ESTH 106	Advanced Sciences and Clinical Skin Care
ESTH 107	Epilation
ESTH 108	Lash Enhancements
NAIL 101	Manicures and Pedicures
NAST 103	Introduction to Indigenous Studies
PRAC 114	Spa Reception and Retail Practicum
PRAC 209	Esthetics Customer Service Practicum 1
PRAC 210	Esthetics Customer Service Practicum 2
PRAC 211	Esthetics Customer Service Practicum 3
PRAC 216	Customer Service Practicum 4
SANT 110	Sanitation, Safety and Hygiene for Skin Care Technicians

Hairstylist

Diploma

Location

- Prince Albert

Start date

- August, January

Duration

- 45 weeks

Admission requirements

- Grade 12
- English Language Requirement

Program overview

Hairstylist is a diploma program. Hairstylists who want to work in the trade are legally required to first complete a 1500 hour pre-employment program.

You will learn how to perform cutting, colouring, highlighting, texture service and styling techniques on hair and an introduction to wigs, hairpieces, skin and nails. You will also develop artistry, salon management and customer service and communication skills.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards journeyperson status. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Career Opportunities

Graduates may find employment in a variety of positions.

- artistics and/or technical educators
- hairstylists
- hair colour technicians
- creative hair designers
- manicurists
- platform artists
- sales representatives
- salon owners
- salon receptionists and managers
- wig stylists

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

BUS 101	Salon Operations
ESTH 100	Introduction to Skin Care and Makeup Techniques
HAIR 100	Foundations of Hairstyling
HAIR 101	Shampoos and Treatments
HAIR 102	Hairstyling and Braiding Principles
HAIR 103	Conventional Wet Styling
HAIR 104	Thermal Styling
HAIR 105	Chemical Waving
HAIR 106	Basic Hair Colouring
HAIR 107	Hairshaping Mechanics
HAIR 108	Specialized Hair Colouring and Lightening
HAIR 109	Wigs and Hair Pieces
HAIR 110	Hairstyling Artistry
HAIR 111	Hairshaping Artistry
HAIR 112	Chemical Waving Artistry
HAIR 113	Men's Hairshaping
NAIL 100	Introduction to Manicures and Pedicures
NAST 103	Introduction to Indigenous Studies
PRAC 200	Customer Service Practicum 1
PRAC 201	Customer Service Practicum 2
PRAC 202	Customer Service Practicum 3
PRAC 203	Customer Service Practicum 4
PRAC 204	Customer Service Practicum 5
PRAC 205	Customer Service Practicum 6
PRAC 215	Salon Reception and Retail Practicum
SANT 108	Sanitation, Safety and Hygiene for Hairstylists
SEM 100	Hairstylist Professional Development
WORK 104	Work Placement Practicum

Justice Studies

Diploma

Location

- Prince Albert
- Regina
- Saskatoon

Start date

- Fall

Duration

- 64 weeks
- For more information on this program, please contact Chloe Hetherton at chloe.hetherton@saskpolytech.ca or 306-765-1791.

Admission requirements

- Grade 12
- English Language Requirement

Note

- Upon request of the program, accepted applicants may be required to provide evidence of a Criminal Record Check for access to correctional institutions and/or policing agencies for tours and practicums/clinical. The Criminal Record Check is not required for admission into the program. Instructors will inform the student when the Criminal Record is required. The cost of the Criminal Record Check is the student's responsibility. Program applicants should be aware that the Criminal Record Check including Vulnerable Sector Check must be requested from the police service in their home community, whether it is from a municipal/city police service or the RCMP detachment in their home area.
- If you have a criminal record for which a record suspension (pardon) has not been granted, or a matter that is currently before the courts, you may be unable to complete the program.
- Based on the results of a security clearance or a Criminal Record Check, a student may not be eligible to participate in tours or a practicum/clinical.
- The second-year specialty courses for Correctional Studies will only be available in Prince Albert. The second-year specialty courses for Indigenous Policing Foundations will only be available in Saskatoon.

Program overview

The Correctional Studies and Indigenous Policing Foundations specialty diplomas share a common first year in the Justice Studies diploma program. You will gain insight into the criminal justice system focusing on corrections and policing with an overview of other law enforcement partners.

Correctional Studies Specialty

Correctional Studies prepares you to work in federal or provincial correctional facilities. We emphasize a hands-on approach to learning, wherein you will gain both correctional theory and practical skills. You will learn from instructors who have experience working in correctional institutions. They will guide you in:

- case management, communication, and problem-solving skills
- managing conflict, aggression, and violence

- the role of community corrections, youth justice initiatives, restorative justice
- understanding Truth and Reconciliation and Calls to Action
- working with offenders from diverse cultural backgrounds
- the importance of healthy lifestyles, teamwork, and workplace wellness
- preparing for interviews and physical abilities tests

Indigenous Policing Foundations Specialty

Demand is growing for police officers trained with an Indigenous perspective. Indigenous Policing Foundations will train you for a career in policing. The skills taught extend beyond your daily operational duties. You will develop cultural awareness and personal growth. When you graduate, you will be able to apply for federal, provincial, municipal and community policing positions.

The program is available to everyone regardless of their cultural background. Our curriculum has a unique Indigenous focus, while covering the major requirements of law enforcement training. You are learning from instructors who have been on the front lines of community policing services. Your studies will focus on:

- basic investigative techniques
- criminal justice system and criminal law
- historic and contemporary Indigenous topics
- understanding Truth and Reconciliation and the Calls to Action
- dealing with addictions, family violence, suicide intervention
- developing strong communication skills
- preparing for police service examinations and physical abilities tests

Get a Global Learning Experience

As a student in this program, you can sharpen your intercultural skills. You may have an opportunity to study and learn abroad. Learn more about global learning experiences at Sask Polytech.

Diploma to Degree

Diploma graduates are eligible to take the Bachelor of Applied Management degree right here at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available. A university degree can open the door to career advancement in parole and community-based services.

Career Opportunities

Correctional Studies Specialty

When you graduate, you're prepared for entry-level jobs in a variety of settings. Because our program works closely in partnership with federal and provincial correctional agencies, our graduates are encouraged to apply to various entry-level job postings. Your studies will also prepare you for a career in a young offender facility, healing lodge, community correctional centre, court security or other security agencies.

Indigenous Policing Foundations Specialty

When you graduate, you will be prepared to apply for federal, provincial, municipal and community policing positions.

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

COMM 224	Presentation Skills
COMM 227	Interviewing Skills for Public Safety Careers
CORR 100	Managing Clients in Public Safety Settings
CORR 103	Writing in the Public Safety Sector
CORR 167	Criminal Justice System
CORR 175	Introduction to Corrections
HUMD 142	Lifespan
LAW 162	Criminal Law
PERS 101	Personal Wellness 1

Year 1 - Semester 2

CLTR 120	Diversity
CORR 135	Criminology
CORR 176	Youth Justice
INDG 103	Indigenous Justice Studies
LEGL 161	Restorative Justice
PERS 102	Personal Wellness 2
SPSY 119	Interpersonal Violence
SPSY 124	Professionalism and Ethics in Public Safety
SPSY 140	Addictions and Mental Health

Correctional Studies Year 2

COMM 202	Conflict Resolution Strategies
CORR 177	Women in Corrections
CORR 179	Offender Supervision
CORR 183	Correctional Reporting Procedures
CORR 184	Introduction to Case Management
CORR 188	Offender Programming
CORR 190	Elements of Security
CORR 191	Offender Control
CORR 192	Violent Offenders
CORR 193	Institutional and Community Case Management
CORR 194	Project in Justice Studies
CORR 240	Institutional Corrections

CORR 245	Job Preparation
EMPS 240	Workplace Wellness
LEGL 141	Policing in Canada
PRAC 219	Correctional Studies Practicum

Indigenous Policing Year 2

COMM 202	Conflict Resolution Strategies
CORR 102	Traffic Safety and Unknown Risk Vehicle Stops
CORR 192	Violent Offenders
CORR 194	Project in Justice Studies
EMPS 240	Workplace Wellness
LAW 163	Public Safety Reporting Procedures
LEGL 141	Policing in Canada
LEGL 143	Preparation for Police Assessments
LEGL 144	Criminal Investigation
LEGL 200	Policing in Canada 2
LEGL 201	Investigative Interviewing
LEGL 202	Policing in Diverse Communities
LEGL 203	Indigenous Policing Foundations
LEGL 204	Police Investigative File Management
LEGL 205	Defensive Tactics Procedures
LEGL 206	Customer Service in the Police Environment
WORK 154	Work Experience

Occupational Health and Safety
Certificate

Location

- Online/Distance
- Saskatoon

Start date

Start: August 28, 2023 (Saskatoon, on campus)

For online course offerings please refer to the following link: Online/School of Continuing Education options

Duration

- 40 weeks

Admission requirements

- Grade 12
- English Language Requirement

Note

- Accepted international students require a co-op work permit to complete the practicum requirements of this program. This is mandatory. Students who do not have a co-op work permit will not be allowed to participate in their practicums. It is the students' responsibility to ensure they have the required documentation to study in Canada and a co-op work permit to complete the practicum requirements of this program.

Program overview

Employers nationwide, from natural resource companies to hospitals and schools to manufacturers and office-based businesses, must conform to occupational health and safety legislation. As legislation and standards become multifaceted, demand for qualified Occupational Health and Safety professionals grows.

This program is a great fit if you're looking to enter the Occupational Health and Safety profession, are already working in occupational health and safety and want to expand your career opportunities and are considering or preparing to write the Canadian Registered Safety Professional exam or Canadian Registered Safety Technician exam or are looking to expand your knowledge.

Explore the career possibilities of Saskatchewan Polytechnic's Occupational Health and Safety certificate program. Our graduates work in various industries, advising employers on occupational health and safety issues.

The program provides knowledge relevant to all workplaces in:

- auditing safety management
- contractor safety management
- disability management
- emergency management
- ergonomics
- law and ethics
- incident investigation
- industrial hygiene
- risk management
- safety management systems

The program is offered in Saskatoon (on-campus courses are listed below in the Courses section), and online.

The Occupational Health and Safety certificate program consists of:

- 15 theory-based courses
- 5 "Train the Trainer" electives (students are required to complete one of five)
- an 80-hour two-week practicum

The practicum provides a hands-on look at the day-to-day operations of a workplace, its safety management system and the role of Occupational Health and Safety professionals.

For more information, see Frequently Asked Questions.

Why Saskatchewan Polytechnic?

The Board of Canadian Registered Safety Professionals (BCRSP) recognizes Sask Polytech Occupational Health and Safety certificate as meeting the formal education requirements for certification as a Canadian Registered Safety Professional (CRSP) and Canadian Registered Safety Technician (CRST).

Flexible Learning Options

Saskatchewan Polytechnic's Occupational Health and Safety certificate program is offered on campus in Saskatoon, Saskatchewan, and through distance education for students across Canada.

For current information regarding Prior Learning Assessment Recognition (PLAR) options, contact the program head, Nolan Horbach, at this time.

Career Opportunities

Occupational Health and Safety professionals provide injury and disease prevention expertise in a wide variety of roles and workplaces. You could be part of a multidisciplinary team working on environmental or wellness initiatives, disability management, regulatory compliance and more.

Possible career opportunities include working with the federal, provincial or municipal government, in health care or educational institutions, with oil and gas companies, manufacturers, transportation firms, utilities, trades, construction and safety associations.

For more information, contact Student Employment Services at Sask Polytech.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

HLTH 190	Incident Investigation
HUMR 102	Professional Education and Career Planning
LAW 100	Law and Ethics
MGMT 191	Organizational Behaviour
SFTY 173	Risk Management
SFTY 175	Safety Program Management

Semester 2

HLTH 179	Fundamentals of Industrial Hygiene 1
HLTH 187	Disability Management
HLTH 189	Fundamentals of Industrial Hygiene 2
HLTH 191	Ergonomics
SFTY 174	Emergency Management
SFTY 199	Fire Prevention and Protection

Semester 3

CLTR 200	Culture and Diversity
PRAC 189	Practicum
SFTY 177	Auditing Safety Management
SFTY 198	Contractor Safety Systems

Semester 3 Electives (1 of 5)

HLTH 105	Fatigue Management
HLTH 106	Psychological Health and Safety
HLTH 192	Respiratory Fit Testing Train the Trainer
TRAN 181	Transportation of Dangerous Goods (TDG) Train the Trainer
WHMS 184	Workplace Hazardous Information System (WHMIS) Train the Trainer

Note: Students must take one of the following Electives, shown in Semester 3 above: HLTH 105, HLTH 106, HLTH 192, TRAN 181, WHMS 184.Check for courses that might be offered through part-time programming.

Security Officer

Applied Certificate

Location

- Prince Albert

Start date

Delivery is subject to student enrollment. For more information, contact Chloe Hetherton at 306-765-1791 or chloe.hetherton@saskpolytech.ca

Duration

- 16 weeks

Admission requirements

- Open Access
- English Language Requirement

Note:

- Accepted applicants are required to provide evidence of a Criminal Record Check for access to law enforcement agencies for tours and prior to entering the work experience component of the program. At the discretion of the community agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check. The cost of the Criminal Record Check is your

responsibility. Program applicants should be aware that, for the purpose of the Criminal Record Check, they must request this from the police service in their home community, whether it is from a municipal/city police service or from the RCMP detachment that services their home area.
- If you have a criminal record for which a pardon has not been granted, or a matter that is currently before the courts, you may be unable to complete the program.
- Students may require a temporary Security Officer license to compete the work experience component of this program.

Program overview

Security officers are in high demand—at mine sites, industrial facilities, entertainment venues and community events. Saskatchewan Polytechnic's applied certificate program opens the door to careers with a wide variety of employers.

You'll need good people skills, a sense of integrity and professionalism. You'll also need to be living a healthy lifestyle and be comfortable working with culturally diverse groups.

Security Officer is a 16-week applied certificate program offered at various on-campus and off-campus locations. The program prepares you to work in various security settings. You'll get practical knowledge and skill development in:

- control tactics and crime prevention techniques
- interpersonal communication and conflict resolution
- legislation for security officers
- mental health first aid
- personal wellness and professionalism
- reporting procedures
- security procedures and protocols

Boots-on-the-Ground Experience

Being a security officer means being out in the world. Your program gives you practical, boots-on-the-ground experience in a community setting. You'll practice communication and problem-solving skills and perform the type of routine tasks assigned to security officers.

Preparing You for Licensing

In Saskatchewan (and most other provinces), security officers must be licensed by the provincial Ministry of Justice. Our program prepares you to write the exam and earn your security guard certificate.

Career Opportunities

Graduates are working as security officers across the province—at remote or rural mine and mill sites, at industrial plants, at health care facilities, in the gaming industry and more.

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

CLTR 100	Diversity
CORR 100	Managing Clients in Public Safety Settings
JOBR 100	Job Preparation and Workplace Wellness
LAW 164	Reporting Procedures for Security Officers
SECG 100	Crime Prevention and Technology
SECG 101	Legislation and Procedures for Security Officers
WORK 155	Work Experience

Victim Services Coordination
Applied Certificate

Location
- Online/Distance

Start date

Varies; View upcoming course availability

For more information, email ConEd@saskpolytech.ca or call 306-659-4418.

Duration
- 15 weeks

Admission requirements
- Grade 12

Note: You do not apply or have admission requirements assessed for this program. You take courses through Continuing Education. Once you have successfully completed all the courses in the program, simply apply to graduate.

Program overview

A revision to the Victim Services Coordination program will come into effect on July 1, 2021. The revision does not impact students currently registered in courses. Enrolled students will complete the courses listed at the time they registered.

School of Human Services and Community Safety

Registration for courses ADMN-103, HUMR-101 and COUN-100 are not available online. Please consult with Program Head, Kevin Krawec at kraweck@saskpolytech.ca or 306-765-1737 to confirm your eligibility for registration. The 2023/2024 academic year will be the last year that ADMN-103, HUMR-101 and COUN-100 are offered.

If you're the kind of person who believes in standing up for others, consider a career in victim services. It is a high-demand area—and Saskatchewan Polytechnic's Victim Services Coordination program will open the door to jobs with police, corrections or community-based agencies.

Victim services coordinators provide advocacy, information, assistance, and referrals to victims of crime or traumatic events. You'll be working with diverse groups of people and handling emotionally charged situations, so good communication skills are important. You also need to work from a place of strength, so you must be living a healthy lifestyle.

Learn Online

You can take the courses for this applied certificate program through the School of Continuing Education. Develop your skills while you continue to work.

Victim Services Coordination is an applied certificate program which gives you practical, applicable knowledge and skills in:

- case management
- client services strategies
- community partnerships
- criminal justice system
- personal wellness and self-care
- response to traumatic events
- volunteer coordination

Career Opportunities

When you graduate, you'll be prepared to work as a victim services coordinator, assistant coordinator, domestic violence caseworker or Aboriginal resource officer. Look for work with police services, corrections services or community-based programs for victims of domestic violence and sexual abuse.

Note: Students interested in a career in the field of Victim Services must not have a criminal record, may be required to successfully pass an enhanced reliability security clearance, and meet any other security requirements deemed necessary by the employer.

If you have a criminal record for which a record suspension (pardon) has not been granted, or a matter that is currently before the courts, you may be ineligible for employment."

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

COM 110	Client Service Skills
CORR 100	Managing Clients in Public Safety Settings
CORR 167	Criminal Justice System
HUMR 100	Roles and Responsibilities
HUMS 100	Traumatic Events Coordination
LEGL 161	Restorative Justice
MGMT 104	Case Management
MGMT 105	Volunteer Management
SPSY 100	Ethics and Professionalism
SPSY 119	Interpersonal Violence

Youth Care Worker

Certificate

Location

- Online/Distance
- Saskatoon

Start date

- September (full-time Saskatoon Campus delivery)

Duration

- 35 weeks

Admission requirements

- Grade 12
- English Language Requirement

Note

- Admitted students will be required to provide evidence of a Criminal Record Check and a Vulnerable Sector Search prior to entering required coursework and practicum with children, youth and adults. At the discretion of the agency, a student may be declined access to a practicum placement based on the contents of the Criminal Record Check, personal interview and/or medical assessment. A student must complete the practicum placements to graduate from the program. The cost

of the Criminal Record Check and Vulnerable Sector Search is the student's responsibility.
- Proof of current Standard First Aid and CPR 'C' or equivalent may be required prior to entry into a practicum.
- Accepted international students require a co-op work permit to complete the practicum requirements for this program. This is mandatory. Students who do not have a co-op work permit will not be allowed to participate in their practicums. It is the student's responsibility to ensure they have the required documentation to study in Canada and a co-op work permit to complete the practicum requirements of this program.

Program overview

Does a career of working one-on-one with youth and families interest you? Check out the Youth Care Worker program at Saskatchewan Polytechnic. You'll find two options: the one-year certificate or the two-year diploma. Whichever you choose, you'll need a steady personality, strong listening skills, compassion and respect for others.

Graduates of the one-year certificate program are qualified for jobs as youth or family service workers in educational, residential, social services or community-based agencies.

The one-year Youth Care Worker certificate program is offered full time at Saskatchewan Polytechnic Saskatoon campus only, and part time through distance education. Qualified instructors with experience in the field will help you develop the skills you need to build therapeutic relationships with children, youth, and families. Your studies will focus on:

- Indigenous awareness;
- addictions and the criminal justice system;
- behavioural intervention strategies and therapeutic activities;
- communication, employability, and problem-solving skills;
- crisis prevention/self-protection strategies;
- health &; wellness, human growth and development; and
- planning and implementing activities.

Practical, Real-World Learning - The program combines classroom theory with practical learning. You'll learn from guest speakers and participate in experiential activities. Two work-based practicums give you an opportunity to work directly with children and youth at risk on a day-to-day basis. You'll apply core concepts learned in class, develop your skills and engage in the design and delivery of programs.

Career Opportunities

When you graduate, look for positions as a youth worker, family support worker, group home staff, community outreach worker or classroom assistant. There are job opportunities in community-based child and youth programs, school-based programs, residential treatment centres, recreation programs, home-based care, child and youth advocacy, and community development.

For more information, contact the Student Employment Services at a campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

COMM 291	Interpersonal Communications
EMPL 180	Employability Skills
HLTH 183	Health Promotion in Youth Care
MGMT 193	Behaviour Supports in Youth Care
ORTN 385	Orientation
SAFE 109	Introduction to Crisis Intervention
SOCI 184	Sociology A
YCW 187	Youth Care Practices 1
YCW 282	Family Systems

Semester 2

HUMD 188	Human Growth and Development
PRAC 384	Practicum 1
REHA 281	Program Planning
SOCI 185	Sociology B
YCW 188	Therapeutic Activities
YCW 189	Indigenous Awareness
YCW 284	Addictions

Semester 3

PRAC 385	Practicum 2

Note: Students must be admitted to the program before taking the practicums.

Youth Care Worker
Diploma

Location
- Online/Distance

Start date
Varies by course

Duration
- 35 weeks

School of Human Services and Community Safety

Admission requirements

- Youth Care Worker Certificate
- English Language Requirement

Note

- A security clearance, personal interview and/or a medical may be required for practicum or observation visits.
- Admitted students are required to provide evidence of a Criminal Record Check and Vulnerable Sector Search prior to entering required coursework and practicum with children, youth and adults. At the discretion of the agency, a student may be declined access to a practicum placement based on the contents of the Criminal Record Check, personal interview and/or medical assessment. A student must complete the practicum placements to graduate from the program. The cost of the Criminal Record Check and Vulnerable Sector Search is the student's responsibility.
- Proof of current Standard First Aid and CPR 'C' or equivalent may be required prior to entry into a practicum.
- Accepted international students require a co-op work permit to complete the practicum requirements for this program. This is mandatory. Students who do not have a co-op work permit will not be allowed to participate in their practicums. It is the student's responsibility to ensure they have the required documentation to study in Canada and a co-op work permit to complete the practicum requirements of this program.

Program overview

The Youth Care Worker Diploma program is offered online only, through distance education.

- Visit the School of Continuing Education for course information and online registration
- Register to PLAR (Prior Learning Assessment and Recognition); get credit for what you know, by contacting Suong Polley at 306-659-4908 or suong.polley@saskpolytech.ca, or Marilyn Philipchuk at 306-659-4903 or marilyn.philipchuk@saskpolytech.ca

Does a career of working one-on-one with young people interest you? Check out the Youth Care Worker program at Saskatchewan Polytechnic. You'll find two options: the one-year certificate or the two-year diploma. Whichever you choose, you'll need a steady personality, strong listening skills, compassion and respect for others.

Graduates of the two-year diploma program are qualified for jobs as family support workers, group home staff, program coordinators or community outreach workers in a variety of educational, residential, social services or community-based agencies.

The two-year Youth Care Worker diploma program is offered through distance education. Qualified instructors will help you build on knowledge and skills developed in the Youth Care Worker certificate program. You'll learn more about:

- abnormal psychology
- agency administration and community development
- conflict resolution and small group facilitation
- cultural diversity and family systems
- individual assessment and development of case plans
- sexual victimization
- therapeutic intervention strategies and suicide prevention

Practical, Real-World Learning - You'll participate in two extended work-based practicums. You'll get hands-on experience implementing individual client programs, facilitating established agency programs, carrying out basic administrative functions and managing client education sessions. It's an opportunity to build your professional skills while enhancing your own personal growth.

Get a Degree - Use your Youth Care Worker diploma to transfer into third year of the Bachelor of Applied Arts in Justice Studies at Lethbridge College in Alberta.

Career Opportunities

As a graduate of the diploma program, you could work as a family support worker, group home staff, program coordinator or community outreach worker in a wide range of human service agencies. There are job opportunities in a wide range of settings—community-based child and youth programs, parent education and training, family support, school-based programs, residential treatment, recreation programs, therapeutic foster homes, child and youth advocacy, justice programs, AIDS education and support, life skills training and community development.

For more information, contact the Student Employment Services at a campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

HUMR 281	Group Facilitation
PSYC 188	Psychology A

SEM 105	Youth Care Worker Diploma Integration Seminar 1
YCW 281	Youth Care Practices 2
YCW 285	Conflict Resolution
Semester 2	
PRAC 398	Practicum 1
Semester 3	
ADMN 286	Administration
CLTR 180	Culture and Diversity
COUN 180	Suicide Intervention
PSYC 189	Psychology B
SEM 200	Youth Care Worker Diploma Integration Seminar 2
SPSY 184	Youth Criminal Justice
SPSY 290	Abnormal Psychology
YCW 283	Sexual Victimization
Semester 4	
PRAC 399	Practicum 2

School of Information and Communications Technology

Artificial Intelligence and Data Analytics
Post-Graduate Certificate

Location

- Regina
- Saskatoon

Start date

September and January (Regina and Saskatoon)

Duration

- 32 weeks

Admission requirements

- A conferred bachelor's degree in any discipline, with a minimum GPA of 60%
- English Language Requirement

Program overview

The goal of the program is to prepare internationally educated graduates with degrees in information and communications technology for the fields of data analysis and machine learning. Humans have always wanted to better understand the massive amounts of currently available and newly gathered data and what that means for future potential.

Artificial Intelligence and Data Analytics is the power to analyze and learn about large amounts of data from multiple sources and detect patterns to make future trend predictions. Business and industry benefits from predictive analytics to make decisions about production, marketing and development.

You will study:

- cost and benefit estimation for process change
- conversion of business questions into data mining problems
- enterprise data architecture and associated technologies
- strategies to leverage the popular data science language Python
- importance of business intelligence to the modern enterprise
- application of artificial intelligence (AI) application programming interfaces (APIs) to business applications
- application of algorithms to make predictions that form the foundation of machine learning
- ethical issues surrounding big data
- emerging application of AI to common business areas

Career Opportunities

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

ANLT 600	Business Mathematics and Data Analytics
CDBM 602	Data Engineering
COMP 603	Programming for Data Science
COMP 604	Web Analytics and Business Intelligence Tools
TCOM 600	Business Technology Communications

Semester 2

CDBM 603	Enterprise Data Architecture
COMP 605	Introduction to Artificial Intelligence
COMP 606	Machine Learning
COMP 607	Artificial Intelligence for Management and Ethical Issues
INDG 600	Indigenous Studies
PROJ 613	Capstone Project

Business Information Systems
Diploma

Location

- Moose Jaw
- Regina

Start date

- September

Duration

- 64 weeks:
  - There is a mandatory six-month paid Co-operative Education work term between Semesters 2 and 3. Semesters and co-op work term time patterns are listed in Courses below.

School of Information and Communications Technology

Admission requirements

- Grade 12 with any 30-level mathematics course or with ICTC FIT (Information and Communication Technology Council Focus on IT) certificate
- English Language Requirement

Program overview

Information technology, business software, mobile platforms—information systems are reinventing the way we do business. Computer-savvy people with programming and development skills are in demand in the business world. When your skill set includes training in business solution development, you're a hot commodity.

Business Information Systems (BIS) is a two-year diploma program offered full-time at Saskatchewan Polytechnic, Moose Jaw Campus. It includes four academic semesters and a six-month paid co-operative education work term.

The Business Information Systems program starts with a solid foundation in business basics with a focus on information technology functions and learning how to use them to develop meaningful business solutions. This includes training in:

- Software development languages (Visual Studio.NET, Java, COBOL);
- Computer hardware, networking and operating systems (Windows, Unix and Linux);
- Data gathering, modeling and database management systems (Oracle, SQL Server 2000);
- Retrieval techniques of databases and programming languages (SQL, PLSQL, ADO.NET, JDBC); and
- Target platforms, including Windows application development, networked software development, web application development (XHTML, JavaScript, ASP, Java).

You'll use cutting edge technology in servers, programming and mobile apps. You'll have opportunities to develop or enhance actual production applications, and build hands-on skills in systems analysis, design methodologies and project management.

Diploma to Degree

Graduates can apply to transfer into degree programs at the University of Regina's Paul J. Hill School of Business, the University of Regina's Computer Science department, the University of Lethbridge and Athabasca University.

Career Opportunities

You're job-ready at graduation. You could work as a software developer, systems analyst, programmer analyst, web/mobile app developer or help desk support. As you gain experience, explore opportunities in IT management or build specialized skills in database administration, advanced web development, project and network management. You could also build a name for yourself as a private consultant or independent contractor.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

ACCT 122	Introductory Financial Accounting 1
BCOM 120	Business Communications 1
COMP 122	Introduction to Programming for Information Systems
COMP 123	Introduction to Business Computing
COMP 255	Visual Application Development
STAT 120	Business Statistics

Year 1 - Semester 2

ADMN 220	Organizational Behaviour
COMP 215	Internet Application Development 1
COMP 233	Object Oriented Programming Concepts
COMP 234	Database
COMP 249	Information Security, Privacy and Ethics
COMP 254	Computer Architecture and Data Communications
JOBR 120	Job Readiness

Co-operative Work Term

COOP 150	Co-operative Education Work Term

Year 2 - Semester 3

COMP 214	Project Management
COMP 235	Internet Application Development 2
COMP 236	Operating Systems and Environment Configuration
COMP 237	Systems Analysis and Requirements Management
COMP 258	Object Oriented Software Development
COMP 259	Mobile Application Development 1

Year 2 - Semester 4

ACCT 225	Managerial Accounting
ADMN 209	Organizational Change
BCOM 121	Business Communications 2
COMP 253	Systems Project
COMP 262	Mobile Application Development 2

School of Information and Communications Technology

Cloud Computing and Blockchain
Post-Graduate Certificate

Location

- Regina
- Saskatoon

Start date

Winter 2023 and Fall 2023 (Regina); Fall and Winter (Saskatoon)

- Effective 2024: September - Regina and Saskatoon; January - Saskatoon

Duration

- 32 weeks

Admission requirements

- A conferred bachelor's degree in any discipline, with a minimum GPA of 60%
- English Language Requirement

Program overview

The post-graduate certificate in cloud computing and blockchain will prepare students for the challenges of evaluating the feasibility, designing, and implementing cloud-based solutions that fulfill the requirements of specific business cases. Additionally, the program content will provide students with the cognitive and technical skills to evaluate blockchain technologies beyond cryptocurrencies. Therefore, they can design and implement blockchain-based solutions.

The program content is based on the expectation that students will have developed necessary digital-literacy skills, such as online research, sharing information to create knowledge, being responsible online, among others, in their undergraduate information and communication technology degree and that the Cloud Computing and Blockchain post-graduate certificate program will enhance their existing knowledge and skills.

Career Opportunities

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

CCMP 600	Fundamentals of Cloud Computing
CCMP 601	Fundamentals of Blockchain
CCMP 602	Provisioning and Security of Cloud Resources
CCMP 603	Introduction to Smart Contracts
TCOM 600	Business Technology Communications

Semester 2

CCMP 604	Orchestration of Cloud Resources
CCMP 605	Cloud Data Management
CCMP 606	Integrated Services Using Smart Contracts
DEVP 600	Business Innovation with Development Operations (DevOps)
INDG 600	Indigenous Studies
PROJ 611	Adoption of Cloud Computing and Blockchain Technology in the Industry

Computer Automated Systems Technician
Diploma

Location

- Regina

Start date

September

Heath Armbruster, A.Sc.T., CFOT, Program Head: 306-775-7511
heath.armbruster@saskpolytech.ca

Duration

- 64 weeks

Admission requirements

- Grade 12 with Workplace and Apprenticeship Math 30 or Foundations of Math 20 or Pre-Calculus 20, or
- Computer Automated Systems Technician (CAST) certificate, or
- Telecommunications Networking Technician (TNT) certificate
- English Language Requirement

Admission Note Fall 2022:

Applicants who have either a CAST or TNT certificate will be placed in the program based on their previous coursework.

School of Information and Communications Technology

Program overview

More than ever, advances in computer technologies are making our world a smaller place. The computer industry continues to provide us with faster and more robust networks and devices that keep us all connected. This growth is ensuring that there is a strong demand for the technicians that can design, build, maintain, and repair the computer automation systems that produce global innovations.

Are you passionate about computers and technology? Do you have an interest in how smart devices and the Internet work? Are you finding yourself reviewing the newest and latest technology? If so, Saskatchewan Polytechnic's Computer Automated Systems Technician diploma program at Regina Campus will immerse you in the latest computer and automated technologies.

Hands-on labs and courses that focus on the computers, automated systems, and using industry-standard software and equipment, will give you the confidence to be successful in the fast-paced and evolving computer automated industry.

You will build a solid foundation in:

- computer hardware
- customer service
- Windows operating systems
- Linux operating systems
- simulation and prototyping software
- 3d modeling
- 3d printing
- data collection
- problem solving
- project management
- python programming
- Application Programming Interface (API) integration
- computer networks
- device and network security
- wireless technologies
- electronic communication technologies

The program's delivery methods focus on the technology of today and provide you with a hands-on approach to learning.

Assignments may require a considerable amount of time outside of regular class hours.

You Learn by Doing

You will develop a logical and technical awareness that will become the foundation of your professional competence. You will learn about leading software and hardware applications by using them in your classes and labs. You will create a variety of projects that are designed specifically to build skills that industry employers value.

Ready to Work

By graduation, you will have experience managing and producing an automated system from concept to deployment. You will work towards building a custom computer automated solution that will validate your employment skills and prepare you to work in the computer automated systems industry.

Career Opportunities

The computer automated systems technician industry consists of analytical teams and individuals using their logic, problem-solving and technical skills to develop and troubleshoot communications, automation, and computer systems for their employers. Graduates can work as part of a team or on an individual basis. Graduates must be able to handle the pressures of troubleshooting, installing, and configuring all types of computer and communication systems.

Graduates are found working in a variety of industry sectors such as internet service provision, wireless communications, information technology, and computer systems.

Look for employment in IT, technical support, on-site service technician, wireless systems, automation installation, custom automation solutions, home security, network support, and computer repair.

For more information, contact Student Employment Services at a campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

DSGN 108	3D Fabrication and Design
ELEC 150	Passive Direct Current (DC) Circuits 1
ELEC 151	Passive Direct Current (DC) Circuits 2
ELEC 152	Passive Alternating Current (AC) Circuits 1
ELEC 153	Passive Alternating Current (AC) Circuits 2
ELTR 135	Active Components and Circuits
MATH 158	Mathematics
ORTN 102	Orientation to Industry

Year 1 - Semester 2

CNET 113	A+ Cisco IT Essentials 1
CNET 114	A+ Cisco IT Essentials 2
COOS 101	LINUX+
ELTR 137	Digital Integrated Circuits 1

ELTR 138	Digital Integrated Circuits 2
SHOP 144	Fabrication Techniques
TCOM 105	Communications for Technicians

Year 2 - Semester 3

COM 200	Business Communications
ELTR 113	Electronic Telecommunication Principles 1
ELTR 148	Electronic Communication Principles 1
ELTR 149	Electronic Communication Principles 2
INDG 100	Introduction to Indigenous Studies
PROJ 213	Project
TELE 113	Optical Fiber Basics
TELE 115	Networking Essentials 1
TELE 116	Networking Essentials 2

Year 2 - Semester 4

BUS 203	Entrepreneurship for Engineering Technologies
CWEB 100	Software Applications
IOT 100	Internet of Things Fundamentals
IOT 101	Internet of Things Security
MATH 204	Business Mathematics
PROJ 108	Troubleshooting and Project
SHOP 145	Installation Practices
TELE 114	Wireless Systems

Computer Networking Technician
Certificate

Location

- Regina

Start date

September

Duration

- 36 weeks

Admission requirements

- Grade 12 with Workplace and Apprenticeship Math 30 or Foundations of Math 20 or Pre-Calculus 20*
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

- Math A30

Program overview

Computer networking technicians are called “network mechanics” because of their ability to solve problems in all kinds of network environments. Since just about every business depends on computer networks, computer networking technicians can find job opportunities in every sector. Your job might involve IT infrastructure support and service, information systems, network or systems administration.

It’s a career that calls for good analytical and organizational skills. Strong communication skills are also important, because you’ll be the go-to person when people need help resolving network issues.

Computer Networking Technician is an intensive certificate program that will help you launch a career in less than a year. The program is available full time at Saskatchewan Polytechnic Regina campus. You’ll learn the fundamentals of information technology (IT) with an emphasis on a hands-on approach to installing, maintaining, troubleshooting and repairing computer networking systems and equipment.

Over nine months, you’ll study IT specialties, including:

- desktop support
- server infrastructure
- network infrastructure
- Linux
- security

Equipment is provided for onsite lab learning, including Cisco routers and switches, desktop PCs and small business servers. You’ll have the opportunity to build complex networked computer systems to further your knowledge of working systems.

Designed with Industry Input

Leading industry representatives volunteer their time and input on our program advisory committee to ensure that your training is in tune with evolving trends and demands in the workplace.

Cisco Regional Academy

Saskatchewan Polytechnic is the Cisco Regional Academy for Saskatchewan. The big advantage for you is that most of your courses are designed around industry-recognized certifications. Saskatchewan Polytechnic’s Computer Networking Technician program will prepare you to:

- write the exam for Cisco Certified Network Associate (CCNA) designation; and
- write other industry-recognized exams for Cisco, CompTIA and Microsoft certifications.

Personal study is recommended before you write any industry certification exam.

School of Information and Communications Technology

Career Opportunities

Computer networking technicians work in computer-related support positions in just about every sector. Graduates are working in network administration, computer programming, hardware, applications and systems analysis and design. You might start your career as an IT analyst, help desk analyst, system support specialist, systems administrator, network support or network administrator.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

CNET 113	A+ Cisco IT Essentials 1
CNET 114	A+ Cisco IT Essentials 2
CNET 115	CISCO Network Associate 1A
CNET 116	CISCO Network Associate 1B
CNET 117	CISCO Network Associate 2A
CNET 121	Programming with Python
INDG 100	Introduction to Indigenous Studies

Semester 2

CNET 112	Managing Modern Desktops
CNET 118	CISCO Network Associate 2B
CNET 119	CISCO Network Associate 3A
CNET 120	CISCO Network Associate 3B
COOS 101	LINUX+
CSRV 103	Windows Server Administration
TCOM 105	Communications for Technicians

Semester 3

COAP 104	CCNA Cybersecurity Operations
CPMG 100	Information Technology Project Management

Computer Systems Technology
Diploma

Location

- Regina
- Saskatoon

Start date

- August

Duration

- 74 weeks:
  - Year 1 - 37 weeks; Year 2 - 37 weeks Note: Some year 1 semester 1 courses are offered online. If you plan to take these courses online, ensure that you apply for admission to the program as you near their successful completion. You must meet all admission requirements (including English language proficiency) at that time. Tuition for the online delivery of courses is significantly higher, as costs must be recovered in full.

Admission requirements

- Grade 12
- Minimum 60% in Foundations of Math 30 or Pre-Calculus 30*
- Minimum 70% in one of the following sciences: Physics 30, Chemistry 30 or Computer Science 30
- Minimum overall average of 65%
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

- Minimum of 70% in Math B30

Program overview

Computer systems technologists solve computer-related issues for businesses, government agencies, utilities, law enforcement agencies, health services providers, educational institutions and more. It's a career that demands a unique blend of skills—computer literacy, technical know-how and communications savvy—but also lets you specialize in areas that interest you the most, including programming, software design, mobile application programming, data communications and web design.

The two-year Computer Systems Technology diploma is available full time at Saskatchewan Polytechnic Saskatoon campus and Regina Campus, with a number of courses also available through distance and/or continuing education. Comprehensive technical training gives you a solid foundation of theory and hands-on lab practice in:

- designing, installing and managing local area networks
- developing computer programs in various programming languages
- developing interactive web pages with multimedia components
- developing proficiency in several common computer application packages
- installing and configuring computer hardware and software
- performing systems analysis and design

- programming apps for mobile devices (smart phones, tablets, etc.)
- providing end-user technical support services
- troubleshooting and repairing hardware problems

You'll also learn business principles, project management and communication skills—attributes potential employers look for when hiring for IT personnel.

Diploma to Degree

Transfer agreements with the University of Saskatchewan, University of Regina and University of Lethbridge let you ladder into a computer science degree with two more years of study. It's a great way to expand your career horizons, while leaving the door open to earn a living with your diploma.

Bachelor of Applied Management

Diploma graduates are eligible to take the Bachelor of Applied Management degree right here at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Career Opportunities

Graduates are prepared for a wide variety of jobs: computer programmer, software designer/developer, mobile app programming, network analyst, webmaster, web designer and systems administrator. You also have a broad choice of work environments in the public and private sectors. You could work in the IT department of a large organization or be a one-person IT department for a small business. You could join a company that provides computer sales, installation and support for other businesses. Or you could set up your own IT business and work directly with clients.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

ADMN 220	Organizational Behaviour
CNET 184	Data Communications and Networking 1
COAP 173	Data and Document Management
COOS 181	Operating Systems Fundamentals
COSC 180	Introduction to Programming
CWEB 180	Web Site Development
TCOM 102	Workplace Communication

Year 1 - Semester 2

CDBM 190	Introduction to Database Management
COHS 190	Hardware
COOS 190	Systems Administration 1
COSA 190	Systems Analysis and Design
COSC 190	Intermediate Programming
CWEB 190	Internet Programming/Web Applications 1
TCOM 190	Technical Communications

Year 1 - Semester 3

COSA 195	Systems Project
COSC 195	Mobile Application Programming
CPMG 195	Systems Project Management
CWEB 195	UX Fundamentals

Year 2 - Semester 4

CDBM 280	Database Management Systems
COHS 280	Enterprise Systems Support
COSA 280	IT Development Project 1
COSC 286	Advanced Programming 1
CPMG 280	IT Development Project Management 1
CSEC 280	Security 1
CWEB 280	Internet Programming/Web Applications 2
MATH 282	Mathematics of Computation
SEM 283	Seminar

Year 2 - Semester 5

COOS 291	Advanced Operating Systems
COOS 293	Systems Administration 2
COOS 294	Enterprise Server Administration
COSA 290	IT Development Project 2
COSC 292	Advanced Programming 2
COSC 295	Advanced Mobile Application Programming
CPMG 290	IT Development Project Management 2
TCOM 291	Career Path Search

Year 2 - Semester 6

COET 295	Emerging Technologies
COOS 295	Systems Administration 3
CSEC 295	Security Topics

Cyber Security

Post-Graduate Certificate

Location

- Regina
- Saskatoon

Start date

January and September - Saskatoon

- Effective 2024: January - Regina and Saskatoon; September - Saskatoon

Duration

- 41 weeks (January - October) or (September - June)

Admission requirements

- A conferred bachelor's degree in any discipline, with a minimum GPA of 60%
- English Language Requirement

Note:

Applicants should have previous networking training. Applicants might need a Criminal Record Check and be bondable to meet future employer requirements.

Program overview

The Cyber Security post-graduate certificate will prepare students for the challenges of identifying network and computer system vulnerabilities, conducting ethical hacks to determine system risk and designing organizational cyber security plans. The program content is based on the expectation that students will have developed problem-solving skills and basic research skills in their undergraduate information and communication technology degrees, and that the Cyber Security post-graduate certificate program will enhance their existing knowledge and skills. Cyber security is everyone's business, and developing current practical knowledge is important in this digital growth industry.

Career Opportunities

Through your studies, you will develop knowledge and skills in:

- cyber security operations
- penetration testing
- information security investigation and forensics
- web security
- security consultation
- security analysis
- security administration

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

CNET 601	Routing and Switching
CSEC 600	Operating Systems and Applications Security
CSEC 601	Web Security
CSEC 602	Security Planning
TCOM 600	Business Technology Communications

Semester 2

CSEC 603	Information Security Testing
CSEC 605	Network Monitoring and Penetration Testing
CSEC 606	Ethical Hacking and Exploits
CSEC 608	Cloud Security
INDG 600	Indigenous Studies
INTL 600	Information Technology

Semester 3

CSEC 607	Digital Forensics
INTL 601	Information Technology Auditing
PROJ 603	Capstone Project

Front-End Web Development

Applied Certificate

Location

- Online/Distance

Start date

September (accelerated); Varies (part-time):

Duration

- 27 weeks

Admission requirements

- Grade 12
- English Language Requirement

Note

- A basic understanding of computer terminology and operations is necessary for successful program completion. Contact the program at 306-765-1647 for more information.

Program overview

Please note: this program was formerly Web Site Design and Development.

-Websites play a crucial role for many organizations from public agencies to private companies. They provide a platform for communication, engagement, marketing, and revenue generation, enabling organizations to effectively connect with their target audience and achieve their objectives.

Front-end web development involves the creation and implementation of visual and interactive components of a website. It uses HTML, CSS, and JavaScript to build user interfaces and guide the user experiences. The goal of front-end development is to

produce a digital product that is visually consistent, responsive, and easy to navigate on various devices and browsers.

The Front-end Web Development applied certificate program consists of 12-courses taken entirely online. Learn the skills you need to:

- Create interactive websites using HTML, CSS, and JavaScript
- Use popular third-party libraries and frameworks
- Apply graphic design and UI/UX principles
- Build seamless and intuitive user experiences
- Apply responsive web design principles and techniques

Program curriculum is regularly updated to keep pace with new capabilities and evolving industry standards. This ensures your training is relevant and in demand.

Project-Based Learning

The applied certificate uses a hands-on approach to learning. Through class assignments, and projects, you'll learn how to design, develop, and manage a website from the ground up.

Online Advantage

Offering the entire 12-course program online lets you complete the applied certificate without needing to visit a campus. Courses use a proven combination of internet-based resources, videos, text-based chat sessions and more. Each course is led by an instructor, who provides guidance, answers questions, and offers feedback.

Career Opportunities

Front-end Web Development graduates work in a wide variety of web-related jobs. Typical job titles include front-end web developer, UI/UX designer, interactive developer, web designer, and web developer.

Potential employers include computer software firms, information technology (IT) firms, marketing agencies, and graphic design firms. Carve out a career as a freelance consultant or get a job in the IT department of a private corporation or an education, health, government, or municipal agency.

For more information about career opportunities, contact Student Employment Services at a campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

DSGN 103	User Experience Design 1
DSGN 110	Design Fundamentals
DSGN 202	User Experience Design 2
GRPH 109	Image Editing
INDG 100	Introduction to Indigenous Studies
MULT 114	Web Development 3
MULT 120	Web Development 1
MULT 124	Web Development 2
MULT 128	Web Development 4
MULT 205	Content Management Systems
MULT 213	Web Development 5
MULT 217	Creative Computing

Graphic Communications

Diploma

Location

- Regina

Start date

- September

Duration

- 68 weeks:
  - Year 1 - 32 weeks; Year 2 - 36 weeks

Admission requirements

- Grade 12
- English Language Requirement

Program overview

Are you creative, tech savvy and idea driven? Are you passionate about design and problem solving? Do you have an eye for detail? If so, Saskatchewan Polytechnic's Graphic Communications diploma program at Regina campus will challenge you both creatively and technically.

Design is vital to effectively communicate ideas, information, products and services in the world around us. Our comprehensive, dynamic and immersive program will equip you with the skills, knowledge and experience needed to excel in the design industry.

Over the course of two years, you will build a solid foundation in:

- industry-standard design software
- design principles and aesthetic awareness

- composition, typography and colour theory
- design thinking and creative problem solving
- photography and image editing
- vector graphic editing and creation
- motion graphics
- packaging and editorial design
- visual identity development
- user interface and user experience design
- web development
- marketing and social media
- self-promotion and portfolio development
- project management and client communication
- colour management and file preparation
- output for traditional, digital and wide-format printing
- screen printing and vinyl application

These skills will sharpen your creative abilities and enable you to generate effective design solutions. Success in the design industry requires more than just technical skills. The most successful designers are highly adaptable and proficient in communication. Through work-integrated learning, you will have the opportunity to develop and apply a combination of technical expertise and essential interpersonal skills.

Our instructors are industry professionals who bring their expertise into the classroom. They will guide you through the design thinking process, sharing valuable insights and practical techniques that will enable you to conduct user research, gather insights, and make informed design decisions. You will learn that a user-centred approach is essential to creating impactful and solution-driven designs.

If you are ready to embark on a creative journey that combines design thinking, comprehensive graphic design training and real-world experience, the Graphic Communications program is the perfect choice for you.

Hands-on Learning

At Sask Polytech, we believe that the best way to learn is by doing. Our hands-on approach to teaching provides you with the opportunity to work with the latest software, tools and equipment. Assignments may require a considerable amount of time outside of regular class hours.

Industry Ready

Upon graduation, you will have experience managing and creating a variety of projects, from concept to completion, that are designed specifically to build skills that employers value. You will also develop a professional portfolio and complete a four-week work experience in the graphic communications industry.

Diploma to Degree

Leverage your diploma into the Bachelor of Applied Management degree at Sask Polytech with only two years of additional study. Remote classes and part-time options are available.

Career Opportunities

The graphic communications industry consists of creative teams and individuals using their attention for detail, problem-solving and technical skills to develop visually appealing marketing solutions for their clients. Graduates often work as part of a team and must be able to handle the pressures of the competitive world of advertising, graphic design and marketing.

Graduates are found working in a variety of industry sectors such as advertising agencies, start-up companies, corporate communications and marketing departments, magazine and book publishers, signage and display companies, commercial and quick-print shops.

Look for employment in project management, branding, graphic design, packaging design, digital illustration, image editing, signage, digital press operation, and screen-printing.

For more information, contact the Student Employment Services at a campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

CLTR 119	Indigenous Cultural Awareness
GRPH 109	Image Editing
GRPH 114	Print Media
GRPH 118	Vector Graphics
GRPH 119	Digital Illustration
GRPH 147	Digital Page Layout 1
GRPH 148	Digital Page Layout 2
GRPH 154	Workflow Fundamentals
GRPH 155	Image Compositing

Semester 2

DSGN 110	Design Fundamentals
DSGN 111	Design 1
GRPH 115	Digital Page Layout 3
GRPH 116	Campaign 1
GRPH 117	Motion Graphics 1
GRPH 139	Marketing 1
GRPH 151	Self-Promotion

PHOT 126	Photography
Semester 3	
DSGN 103	User Experience Design 1
DSGN 211	Design 2
GRPH 204	Motion Graphics 2
GRPH 213	Editorial Design
GRPH 230	Packaging Design
GRPH 234	Brand Strategy
MULT 120	Web Development 1
TCOM 102	Workplace Communication
Semester 4	
BUS 204	Entrepreneurship for Creatives
DSGN 202	User Experience Design 2
DSGN 212	Design 3
GRPH 214	Campaign 2
GRPH 231	Project Management 1
GRPH 243	Marketing 2
GRPH 244	Project Management 2
PROJ 214	Capstone Project
Semester 5	
WORK 300	Work Experience

Interactive Design and Technology Diploma

Location

- Regina
- Saskatoon

Start date

September

Staggered intakes as of the 2024 academic year

Regina: intakes 2023 and odd years following (2025, 2027, etc.)

Saskatoon: intakes 2023 and even years following (2024, 2026, etc.)

Duration

- 67 weeks

Admission requirements

- Grade 12
- English Language Requirement

Note:

To be successful in the program, you will require basic computer literacy

Program overview

Are you ready to dive into a world where creativity meets technology and imagination drives innovation? Saskatchewan Polytechnic's Interactive Design and Technology Diploma is the perfect program for those who aspire to create meaningful and engaging digital experiences.

This two-year program, available at either our Saskatoon or Regina campus, combines art with technology, providing you with the essential skills to excel in the constantly evolving digital landscape. You will benefit from a balanced blend of hands-on learning and theoretical knowledge, developing a solid foundation in:

- User experience (UX) and user interface (UI) design
- Content creation and interactive storytelling
- Web design and front-end web development
- Virtual reality (VR) and augmented reality (AR)
- Audio and video production
- Digital marketing and social media strategies
- Project management and collaboration
- Design and visual communication
- 2D and 3D animation techniques

Our curriculum stays current with industry trends, incorporating the latest technologies and best practices to ensure you are well-prepared for a successful career. You will work on a variety of projects designed to prepare you for real-world challenges and hone your skills, enabling you to build captivating digital experiences, create immersive virtual worlds, and develop innovative website and applications.

You Learn By Doing

At Saskatchewan Polytechnic, we believe that the best way to learn is by doing. Our hands-on approach to teaching provides you with the opportunity to work with the latest software, tools, and equipment, allowing you to develop a comprehensive portfolio that highlights your abilities and sets you apart.

Ready to Work

Upon graduation, you will be prepared to work in a variety of roles within the interactive design and technology industry, such as web designer, front-end web developer, UX/UI designer, multimedia specialist, content creator, digital marketing professional, and more. With the skills and experience gained from our program, you will be well-positioned to thrive in this rapidly changing job market.

Diploma to Degree

Leverage your diploma into the Bachelor of Applied Management degree at Sask Polytech with only two years of additional study. Remote classes and part-time options are available.

Career Opportunities

Upon graduation from the Interactive Design and Technology program, you will be equipped with the skills and knowledge to pursue a variety of exciting career paths. You may find opportunities at website design firms, software studios, marketing or advertising agencies, production companies, and other industry sectors. You could work as a front-end web developer, web designer, UX/UI designer, multimedia specialist, digital marketing professional, and more. Your skills will open doors to a rewarding career in the dynamic field of interactive design and technology.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

DSGN 103	User Experience Design 1
DSGN 110	Design Fundamentals
GRPH 109	Image Editing
GRPH 118	Vector Graphics
MULT 120	Web Development 1
MULT 124	Web Development 2
PHOT 126	Photography
PROF 100	Professional Practices 1

Semester 2

DGTL 101	Audio
DGTL 105	Video 1
DGTL 112	Social Media
DSGN 202	User Experience Design 2
GRPH 200	Advanced Image Editing
MKTG 203	Digital Marketing 1
MULT 114	Web Development 3
MULT 128	Web Development 4

Semester 3

DSGN 210	Introduction to Mobile Application Design
GRPH 201	Advanced Vector Graphics
GRPH 202	Electronic Publishing
MKTG 206	Digital Marketing 2
MULT 123	3D Fundamentals 1
MULT 205	Content Management Systems
MULT 213	Web Development 5
PROF 200	Professional Practices 2

Semester 4

COMP 265	Introduction to Mobile Application Development
DGTL 206	Video 2
INDG 100	Introduction to Indigenous Studies
MULT 208	Emerging Interactive Technologies
MULT 212	3D Fundamentals 2
MULT 215	Immersive Technologies 1
MULT 216	Immersive Technologies 2
MULT 217	Creative Computing
PROJ 202	Interactive Media Project

Semester 5 - Must take 1 of 2 (1 of 2)

PROJ 101	Client Directed Project
WORK 106	Work Experience

Library and Information Technology
Diploma

Location

- Saskatoon

Start date

- August every second year
  - This program has one intake every second year (even numbered years only).

Duration

- 72 weeks:
  - Year 1 - 36 weeks; Year 2 - 36 weeks

Admission requirements

- Grade 12 with a minimum 60% average in English Language Arts A30 and English Language Arts B30
- English Language Requirement

Note

- Accepted applicants are required to provide evidence of a Criminal Record Check and Vulnerable Sector Search during the first term of the program. At the discretion of the work experience agency/school, you may be declined access to a work experience based on the contents of the Criminal Record Check and Vulnerable Sector Search. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.

Program overview

Today's library technologist is tech-savvy, socially engaged and passionate about life-long learning. It's a great career for anyone interested in literacy, learning and innovation.

School of Information and Communications Technology

Library techs are in demand—because libraries have become the go-to place for everything from traditional books to e-books, multi-media and online resources.

Saskatchewan Polytechnic's two-year Library and Information Technology diploma program has been developed in accordance with the Canadian Library Association Guidelines to address ongoing advances in technology and changing library user needs. Offered at our Saskatoon campus, the program prepares you to support librarians in any type of library—or to manage day-to-day operations on your own in a small library.

You'll take a variety of introductory academic courses to familiarize yourself with a wide variety of subjects, from world history to literature. You'll discuss the impact of new technologies, the political and economic factors impacting information sharing, the benefits and risks of digital storage, and more. Through lectures, labs and hands-on projects, you'll develop knowledge and skills in:

- acquisitions, circulation and interlibrary loans
- archives and records management
- computer-based and traditional library management
- database searching and reference research
- descriptive and subject cataloguing
- programming and public relations
- reader assistance
- website design and social media

Q &; A Sessions: Library technologists get asked a lot of questions. Your assignments reflect the kind of requests you might get, and you'll learn to use a wide range of resources to find answers.

In-Library Practicums: Work experience is an integral part of your learning. You'll participate in 2 three-week practicums, one in a Saskatoon public library, one in another community library. It's a chance to apply theory to practice, and class projects to a real working environment.

Career Opportunities

The potential job market for library technologists is bigger and broader than many know. There are career opportunities in municipal public libraries, regional public libraries, northern libraries and the Saskatchewan Provincial Library. There are also jobs in university, polytechnical and regional colleges, public and separate school divisions, health regions, government departments, archives, research centres and private businesses.

You could work on the front-line helping library users or behind the scenes in a technical capacity. Although a diploma does not qualify you as a librarian, it does open doors to working in supervisory or managerial roles in library service units or small libraries.

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

COMM 291	Interpersonal Communications
COMP 170	Basic Computer Operation
ENGL 101	Critical Reading and Writing
LIB 182	Borrower and Outreach Services
LIB 192	Introduction to Information Resources
LIB 196	Introduction to Cataloguing
LIT 182	Children's Materials
ORTN 190	Introduction to Library Service
SOCI 171	Culture and Diversity in Canadian Society
WORK 194	Library Site Visits

Semester 2

CDNS 280	Canadian Government
COMM 113	Applied Communications
COMP 171	Introduction to Microsoft Word
COMP 173	Introduction to Microsoft PowerPoint and Web Publishing
COMP 174	Introduction to Microsoft Excel 1
LIB 180	History of Libraries
LIB 191	Readers' Services
LIB 194	Introduction to Archives
LIB 197	Searching Information Resources
LIB 199	Subject Cataloguing

Semester 3

WORK 285	Work Experience 1

Semester 4

ENGL 102	Literature Survey
INDG 200	Indigenous Studies 1
LIB 200	Information Architecture Fundamentals
LIB 289	Digital Technologies
LIB 290	Cataloguing: Serials and Multimedia Resources
LIB 291	Information Resources: Social Sciences
MGMT 282	Library Management - Theory and Practice
PRPL 284	Public Relations and Programming

Semester 5

HIST 280	World History
INDG 201	Indigenous Studies 2
LIB 193	Current Trends in Libraries
LIB 282	Storytelling for all Ages
LIB 292	Acquisitions and Collections Development

LIB 293	Information Resources: Humanities and Science and Technology
LIT 183	Young Adults' Materials and Services
PROJ 211	Capstone Project

Semester 6

WORK 286	Work Experience 2

Library Clerk
Applied Certificate

Location

- Online/Distance

Start date

Courses begin in September and January each year

Duration

- 16 weeks (each course)

Admission requirements

- Grade 12
- English Language Requirement

Program overview

Library Clerk is a 18-credit applied certificate program offered online, and provides entry-level library skills and knowledge training.

Library clerks work directly with library technicians, librarians, and library users. They may be responsible for the circulation of library materials, sorting and shelving library materials, clerical functions, and providing general library information to users.

Learn Online

You can take all of these courses online through The School of Continuing Education. Our highly trained instructors have experience working within libraries of all types. You will develop knowledge and skills in:

- Children's materials and services; birth to grade six
- Young adult's materials and services; grades seven to 12
- Programming and public relations
- Reader's advisory
- Information resources

Ladder into a Saskatchewan Polytechnic Diploma

You can transfer all certificate courses into the Saskatchewan Polytechnic Library and Information Technology diploma program.

Career Opportunities

When you complete the applied certificate, you will be fully prepared to work as a library clerk within academic, public, school, and special libraries. Typical job titles are library clerk, circulation clerk, programming clerk, and library assistant.

In addition to libraries of all types, potential employers include health regions, government departments, and research centres.

For more information about career opportunities, contact Student Employment Services at a campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

LIB 191	Readers' Services
LIB 192	Introduction to Information Resources
LIT 182	Children's Materials
LIT 183	Young Adults' Materials and Services
ORTN 190	Introduction to Library Service
PRPL 284	Public Relations and Programming

Media Production
Diploma

Location

- Saskatoon

Start date

- September

Duration

- 69 to 71 weeks

Admission requirements

- Grade 12 with English Language Arts A30 and English Language Arts B30
- English Language Requirement

Note:

To achieve success in the program, we strongly recommend you have basic computer skills in word processing and spreadsheet software applications.

School of Information and Communications Technology

Program overview

Today's media is all about content—stories, ideas, words, sounds, images, and designs. If you are passionate about creating media and eager to embark on an exciting career in the dynamic and ever-evolving field of media production, look no further. Saskatchewan Polytechnic's comprehensive Media Production diploma program is specifically designed to equip you with the skills, knowledge, and experience necessary to thrive in this fast-paced industry.

Our program is a carefully crafted blend of theoretical knowledge and practical hands-on training, ensuring that you gain a holistic understanding of media production while honing your technical skills. Over the course of two years, you will be immersed in a dynamic learning environment where creativity, innovation, and collaboration are encouraged.

Our curriculum is thoughtfully designed to cover all aspects of media production, including pre-production, production, and post-production processes. In the first year you'll learn the fundamentals of:

- formatting, manipulating and editing graphics
- visual design
- audio recording and production
- scriptwriting
- video acquisition and editing
- lighting techniques and design
- web authoring

In the second year you'll learn the fundamentals of:

- audio and video post-production
- multi-camera video production
- producing and project management
- live audio production
- portrait and product photography
- effective imagery
- streaming media
- motion graphics

Hands-On Experience

We believe in learning by doing, which is why practical experience lies at the heart of our program. You will have access to production studios and equipment, allowing you to bring your creative visions to life. Through your final capstone projects that include writing and producing dramatic, corporate, and documentary projects as well as a final work experience or client directed project, you will have numerous opportunities to apply your skills and build a professional portfolio that showcases your talent and capabilities.

Diploma to Degree

Leverage your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Career Opportunities

Our strong industry ties and reputation ensure that our graduates are well-regarded by employers and possess the necessary skills to hit the ground running in their media production careers.

As a Media Production graduate, you can take your career in many different directions. You could work as a media technician, recording technician, camera operator, video producer, editor, graphic editor, copywriter or producer.

Pursue a career in film and video production, post-production, broadcasting, or digital media. Go the corporate route and get involved in media production for large companies, educational institutions, health organizations and government agencies. Use your experience to build a career as a freelancer or start your own production company.

For more information about career opportunities, contact Student Employment Services at a campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

AUDI 103	Audio Recording
DSGN 105	Structuring Screen Space
DSGN 110	Design Fundamentals
GRPH 109	Image Editing
GRPH 118	Vector Graphics
PHOT 126	Photography
PROF 100	Professional Practices 1
VDEO 101	Electronic Field Production Equipment

Year 1 - Semester 2

AUDI 201	Digital Audio Production
AUDI 202	Audio Processing and Mixing
AV 200	Lighting
CLTR 119	Indigenous Cultural Awareness
CRWT 101	Introduction to Script Writing
MULT 120	Web Development 1
VDEO 102	Videography
VDEO 103	Video Editing

Year 2 - Semester 3

AUDI 200	Audio Production
CRWT 200	Story Development
MULT 124	Web Development 2
PROJ 200	Production Management
VDEO 200	Effective Imagery
VDEO 202	Video Titling and Graphics
VDEO 203	Post-Production
VDEO 209	Interviews

Year 2 - Semester 4

AUDI 203	Live Audio Production
MULT 202	Motion Graphics and Visual Effects
PHOT 224	Portrait and Product Photography
VDEO 204	Dramatic Production
VDEO 205	Corporate Video Production
VDEO 206	Documentary Production
VDEO 207	Multi-Camera Video Production
VDEO 208	Introduction to Streaming Media

Year 2 - Semester 5

EMPS 200	Career Management

Semester 5 Electives (1 of 2)

PROJ 207	Client Directed Project
WORK 201	Work Experience

Note: Students must complete one of the following electives: PROJ 207 or WORK 201.

Software Developer

Post-Graduate Certificate

Location

- Saskatoon

Start date

September

Duration

- 39 weeks

Admission requirements

- A conferred bachelor's degree in any discipline, with a minimum GPA of 60%
- English Language Requirement

Program overview

The Software Developer post-graduate certificate will prepare you for the challenges of developing software products and web applications for clients. Software Developer is designed to expand your current knowledge and skills into the fields of technology, computer applications, data communications, data design, and software analysis and design.

You will gain programming experience through hands-on learning and develop the skills necessary to analyze and design information technology based solutions.

Career Opportunities

Through your studies, you will develop knowledge and skills in:

- computer programming
- web development and app development and deployment
- approaches to planning and executing IT projects
- role of IT in supporting business decision making

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

COSC 600	Introduction to Programming 1
COSC 601	Introduction to Programming 2
CWEB 600	Website Development
CWEB 601	Internet Programming and Web Apps 1
CWEB 603	Software Development Fundamentals

Semester 2

CDBM 601	Database Management Systems
COSC 602	Intermediate Programming 1
COSC 603	Intermediate Programming 2
COSC 604	Advanced Programming
CWEB 602	Internet Programming and Web Apps 2

Semester 3

INDG 600	Indigenous Studies
PROJ 602	Capstone Project
TCOM 601	Technical Communications

Technology Management

Post-Graduate Certificate

Location

- Moose Jaw
- Saskatoon

Start date

January (Jan to Apr; Sep to Dec) - Moose Jaw only

September (Sep to Dec; Jan to Apr) - Moose Jaw and Saskatoon

Duration

- 32 weeks

Admission requirements

- A conferred bachelor's degree in any discipline, with a minimum GPA of 60%
- English Language Requirement

Program overview

The post-graduate certificate in Technology Management will prepare you for the challenges of facilitating business operations and strategy through the provision of technology infrastructure and systems development. You will study the role technology plays in enabling business strategy and vision.

You will study the fundamentals of IT operations management and IT strategy, providing a high-level view of technology in an organization. You will also study agile project management and practical IT architecture in a hands-on setting, providing you with knowledge of how technology projects and initiatives are successfully executed. You will also learn about the technologies and techniques governing a business's critical data resources and how they support business decision making.

Career Opportunities

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

ANLT 600	Business Mathematics and Data Analytics
BCOM 600	Business Communications
CDBM 600	Database Design and Development
CNET 600	Enterprise Networking
COMP 600	Software Architecture and Programming

Semester 2

ANLT 601	Data Analytics and Business Intelligence
ETHC 600	Ethics, Privacy, and Legal Issues in IT
INDG 600	Indigenous Studies
MGMT 600	IT Operations Management and Strategic Planning
PROJ 600	Agile Project Management for IT
TCOM 600	Business Technology Communications

Web Site Design and Development

Applied Certificate

Location

- Online/Distance

Start date

October (accelerated); Varies (part-time):

- For more information, contact Kevin Mahlberg at kevin.mahlberg@saskpolytech.ca or 306-659-4691.

Duration

- 27 weeks

Admission requirements

- Grade 12
- English Language Requirement

Note

- A basic understanding of computer terminology and operations is necessary for successful program completion. Contact the program at 306-765-1647 for more information.

Program overview

This program has a new program title, please visit the Front-End Web Development program page for further information.

Every organization has a website. Public agencies and private companies, big box brands and mom &; pops—they all have a website (or need a better website). If this is something that interests you, check out Saskatchewan Polytechnic's online Web Site Design and Development program.

Learn to build easy-to-navigate websites, design interactive content, setup and customize a web development environment, develop security protocols and more. It's a great way to build your skill set … or take your career in an exciting new direction. Graduates are in demand as employees and independent contractors.

Web Site Design and Development is an 8-course applied certificate program that you take entirely online. Learn the skills you need to:

- apply graphic design and production principles
- build visually attractive, functional websites
- develop interactive content

- provide web site administration
- respond to website security issues
- set up and customize a web development environment
- use industry-standard applications, programming and scripting languages (HTML, CSS, JavaScript, etc.)

Program curriculum is regularly updated to keep pace with new capabilities and evolving industry standards. This ensures your training is relevant and in demand.

Project-Based Learning

The applied certificate uses a hands-on approach to learning. Through class assignments, projects and online discussions, you'll learn how to design, develop and manage a website from the ground up.

Online Advantage

Offering the entire 8-course program online lets you complete the applied certificate without needing to visit a campus. Courses use a proven combination of internet-based resources, videos, text-based chat sessions and more. Each course is led by an instructor, who provides guidance, answers questions and offers feedback.

Career Opportunities

Web Site Design and Development graduates work in a wide variety of web-related jobs. Typical job titles include web designer, web developer, web master, web technician, and website administrator.

Potential employers include computer software firms, information technology (IT) firms, marketing agencies and graphic design firms. Carve a career as a freelance consultant or get a job in the IT department of a private corporation or an education, health, government or municipal agency.

For more information about career opportunities, contact Student Employment Services at a campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

DSGN 101	Elements and Principles of Design 1
DSGN 103	User Experience Design 1
GRPH 100	Elements and Principles of Design 2
MULT 114	Web Development 3
MULT 120	Web Development 1
MULT 124	Web Development 2
MULT 125	Interactive Authoring 1
MULT 128	Web Development 4

School of Mining, Energy and Manufacturing

Building Systems Technician
Certificate

Location

- Regina

Start date

- September

Duration

- 40 weeks

Admission requirements

- Grade 12 with a minimum of 60% in Workplace and Apprenticeship Math 30 or 60% in Foundations of Math 20 or 60% in Pre-Calculus 20*
- English Language Requirement

Note

Although First Aid and CPR are not admission or graduation requirements, many employers will require them prior to commencing your work experience; therefore, you are encouraged to obtain this certification prior to program commencement or as soon as possible after program commencement.

***Previous Saskatchewan mathematics requirement also accepted:**

- Math A30

Program overview

There's a lot of technology at work in today's commercial and institutional buildings, from energy efficient boilers to complex HVAC systems (heating, ventilation, air conditioning). Building systems require regular, skilled maintenance—mechanical and technical. That's why building systems technicians are always in demand. It's a job that requires good problem-solving skills and the ability to work independently or as part of a team.

Building Systems Technician is a one-year certificate program offered at Saskatchewan Polytechnic, Regina Campus. You'll receive comprehensive training in maintaining and operating electrical, ventilation, refrigeration and water treatment systems.

Most courses include practical activities to develop your troubleshooting skills. Time in a working facility will give students a real life experience during the second semester work placement. It's a great way to use what you've learned in class and labs in a real-world setting. It's also a way to develop contacts for possible future employment.

Certification Opportunities

Industry certifications are important to your career mobility and earning power. So, in addition to developing your knowledge and skills, Saskatchewan Polytechnic helps you prepare for industry certification exams. You'll have an opportunity to write the Technical Safety Authority of Saskatchewan (TSASK) exams:

- 5th Class Power Engineering (5th Class Power Engineering qualifies the certificate holder to operate equipment at the Fireman Boiler Operator level)
- Refrigeration Engineer (Refrigeration Engineer qualifies the certificate holder to operate equipment at the Refrigeration Plant Operator level)

Personal study is recommended before you write any industry certification exam.

Career Opportunities

The Building Systems Technician certificate combined with industry certifications will open a lot of different doors. Graduates are working in building systems maintenance and operation in medium to large buildings (apartment blocks, hotels, malls, schools, health facilities, etc.). You could work in boiler and refrigeration plants, perform maintenance crew work or take charge of a building. Potential employers include building owners, property management companies and government agencies.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

BLDG 113	Building Applications 1
CODE 103	Legislation Codes and Safety
COMP 172	Introduction to Microsoft Word and Excel
ENGP 107	Power Lab 1
HEAT 100	Heating Systems
MAIN 109	Building Systems Maintenance
MATH 104	Applied Mathematics

TCOM 105	Communications for Technicians
THER 182	Thermodynamics and Mechanics

Semester 2

BLDG 114	Building Applications 2
BLDG 115	Consumption and Waste Management
BLDG 116	Energy Management
BLDG 117	Building Automation
CLTR 200	Culture and Diversity
ENGP 106	Power Lab 2
PROJ 287	Project Management
SEM 101	Technology Seminars

Semester 3

ENRG 100	Renewable Energy
PROJ 109	Capstone Project
RFRG 104	Refrigeration and Air Conditioning Systems
WORK 108	Work Experience

Chemical Technology

Diploma

Location

- Saskatoon

Start date

- September

Duration

- 70 weeks
  - Year 1 - 38 weeks; Year 2 - 32 weeks
  - Students will enroll in a four week industry specific research project in January of semester 3. *Relocation may be required

Admission requirements

- Grade 12 with a minimum 60% in each of the following subjects: English Language Arts A30, English Language Arts B30, Chemistry 30 and Pre-Calculus 30*
- English Language Requirement

Note

- Accepted applicants may be required to provide evidence of a Criminal Record Check prior to entering the practicum component of the program. At the discretion of the practicum agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check. The cost of the Criminal Record Check is your responsibility.

***Previous Saskatchewan mathematics requirement also accepted:**

- Minimum of 60% in a 30-level math

Program overview

If you love lab work and you're looking for a program that can launch you into a great career in just two years, check out the Chemical Technology program at Saskatchewan Polytechnic.

Chemical Technologists find employment throughout the province of Saskatchewan and beyond its borders. Many different industries employ graduates from the program including food manufacturing, mining, agriculture, cannabis, chemical manufacturing, and oil and gas. A Chemical Technology diploma will allow you the flexibility to choose a career path that suits you.

Chemical Technology is a nationally accredited, two-year diploma program offered through Saskatchewan Polytechnic, Saskatoon Campus, Idylwyld Dr. The program is designed to give you a well-rounded foundation in scientific principles and analytic practices--essential building blocks for a flexible career. You'll build knowledge and skills in:

- analytical instrumentation
- organic, physical, analytical and environmental chemistry
- handling and manipulating chemicals
- laboratory quality control and assurance
- recording, processing and reporting data

Learning is hands-on--you'll spend almost as much time in labs as in the classroom. And you'll apply what you've learned during a four-week industry research project.

Diploma to a Degree

Turn your Chemical Technology diploma into a university degree in just two years. Saskatchewan Polytechnic has transfer agreements with the University of Regina and University of Saskatchewan. You can also transfer into programs at Athabasca University (Alberta), Memorial University (Newfoundland), and Royal Roads University (B.C.). Use your diploma to ladder into a mining engineering technology degree at Queen's University in Ontario.

Bachelor of Applied Management Degree

Diploma graduates are also eligible to take the Bachelor of Applied Management degree right here at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Learning Environment

- 24 students are accepted each year
- Students will experience lectures and laboratory classes, as well as tours of relevant industrial laboratories
- Class hours are from 8 am – 4 pm daily; if desired, students can take part time studies and complete the program over 3 years
- Homework is required outside of scheduled class time

High Employment Rate

Because the program is designed with input from industry, your education matches real-world needs. And that's why Saskatchewan Polytechnic science graduates are so highly sought after by employers. A recent survey shows that the majority of Chemical Technology graduates are employed in a training-related field.

Career Opportunities

Chemical technologists can choose from a variety of job possibilities. Saskatchewan Polytechnic graduates are working as laboratory analysts, laboratory technologists, research technical assistants and sales managers.

Chemical Technologists work in a wide range of industries: agriculture, mining, oil and gas, chemical production, environmental protection, ethanol and malt production, food research, product testing, occupational health, and new opportunities are available in the cannabis industry. Job openings are often available in commercial, industrial or government laboratories, or in chemical product sales.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

CHEM 150	Organic Chemistry 1
CHEM 151	Organic Chemistry 1 Lab
CHEM 178	General Chemistry 1
COMP 174	Introduction to Microsoft Excel 1
LABT 150	Analytical Instrumentation 1
LABT 151	Analytical Instrumentation 1 Lab
MATH 189	Mathematics 1
MATH 192	Laboratory Mathematics
SFTY 185	Laboratory Safety
STAT 101	Introductory Statistics and Computer Applications

Semester 2

CHEM 152	Organic Chemistry 2
CHEM 153	Organic Chemistry 2 Lab
CHEM 179	General Chemistry 2
CHEM 295	Plant and Process Chemistry
LABT 152	Analytical Instrumentation 2
LABT 153	Analytical Instrumentation 2 Lab
MATH 289	Mathematics 2
PHYS 106	Physics

Semester 3

CHEM 282	Nuclear Chemistry
INDG 100	Introduction to Indigenous Studies
LABT 154	Sampling Techniques
STAT 281	Statistics and Computer Applications

Semester 4

CHEM 250	Analytical Chemistry
CHEM 251	Analytical Chemistry Lab
CHEM 292	Physical Chemistry 1
LABT 250	Analytical Instrumentation 3
LABT 251	Analytical Instrumentation 3 Lab
LABT 297	Laboratory Preparation Techniques in Chemistry
QC 250	Quality Control in Laboratories
QC 251	Quality Control in Laboratories Project
TCOM 102	Workplace Communication

Semester 5

CHEM 293	Physical Chemistry 2
CHEM 296	Water Chemistry
COMM 289	Communications 2
ENVR 290	Environmental Monitoring
LABT 252	Analytical Instrumentation 4
LABT 253	Analytical Instrumentation 4 Lab
PROJ 290	Applied Research 2
WORK 203	Practicum

Note: Each semester consists of major and minor subjects. Full-time students must take all courses listed plus any other courses deemed necessary. Applicants from industry are eligible to take any semester or part of any semester if they can demonstrate adequate background knowledge (this may require an entrance examination). Some industry opportunities require Criminal Record Checks and/or drug and alcohol testing.

Computer Engineering Technology

Diploma

Location

- Moose Jaw

Start date

- August 28, 2023

School of Mining, Energy and Manufacturing

Duration

- 76 weeks
    - There are five academic semesters and three mandatory four-month paid Co-operative Education work terms. Semesters and co-op work term time patterns are listed in Courses below.

Admission requirements

- Grade 12 with a minimum of 60% in Pre-Calculus 30*
- English Language Requirement

Note

***Previous Saskatchewan mathematics requirement also accepted:**

- Minimum of 60% in Math B30 and C30

Program overview

If you're fascinated by what makes computers tick, both inside (hardware) and out (software), becoming a computer engineering technologist has great possibilities. Work in information technology roles, network security, embedded systems, robotics, and automated systems. The future is still unfolding, and your career could go in many directions.

The Computer Engineering Technology program is a three-year, nationally recognized, diploma offered full time at Saskatchewan Polytechnic, Moose Jaw campus. You'll get an exceptional hands-on learning experience during five semesters of classroom study and three Co-operative Education work terms.

Saskatchewan Polytechnic is unique in our emphasis on both hardware and software. You'll learn how to:

- analyze, test and design analog and digital circuits
- design, fabricate and populate printed circuit boards
- program personal computers and microcontrollers using various programming languages
- design and test interfaces between computers and peripherals
- design, install and administer networks
- design and test various digital data transmission systems
- install, configure and maintain workstations and servers in various operating system environments

A capstone research project gives you an opportunity to apply what you've learned to the development of an original design, from concept through to prototype.

The Co-op Work Term Advantage

Co-operative work terms are paid, so you'll earn while you learn. Saskatchewan Polytechnic arranges your interviews; it's up to you to shine. It's also a chance to develop important "soft skills" in job interviewing, professional attitude, interpersonal communication and more.

Many of our co-op employers require both a valid Saskatchewan Driver's License and a clean Driver's Abstract. For international students, it can take up to 12 months to obtain a Driver's license; therefore, it is to your advantage to come with a Driver's License from your home country if possible.

Diploma to Degree

Diploma graduates are eligible to take the Bachelor of Applied Management degree right here at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

The diploma can also be used to ladder into an engineering degree at Lakehead University or mining engineering technology degree at Queen's University in Ontario or a technology degree at Memorial University in Newfoundland.

Learning Environment

- 24 students are accepted each year.
- Students will hands-on lab and project work, lectures and co-operative work terms.
- Class hours are 8:30 a.m. - 4:30 p.m. daily. Students are expected to complete 30-40 hours of homework each week outside of class time.
- There are many group projects that require coordination.
- It is very important that students take initiative and manage their work time effectively.

Get a Global Learning Experience

As a student in this program, you can sharpen your intercultural skills. You may have an opportunity to study and learn abroad. Learn more about global learning experiences at Sask Polytech.

Career Opportunities

Graduates work as network administrators, systems coordinators and systems analysts in IT training and support, research and development and customer sales and service. You can also pursue your dream career in gaming and multimedia development, graphical user interface development, IT security, web-based applications and more.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

CAD 100	Computer Aided Design
COMP 112	Introduction to Computer Programming
ENGE 120	Basic Electricity
LABS 120	Basic Electricity Lab
MAT 110	Mathematics for Engineering Technologies
SEM 101	Technology Seminars
STAT 200	Statistics for Technology
TCOM 102	Workplace Communication

Year 1 - Semester 2

COHS 220	Networking Computers
DGTL 110	Digital Logic
DGTL 111	Digital Logic Laboratory
ENGE 107	Semiconductor Electronics
ENGE 200	Alternating Current (AC) Basic Electricity
INST 223	Basic Instruments
MAT 112	Differential Calculus for Engineering Technologies
TCOM 103	Technical Communication

Co-operative Work Term 1

COOP 101	Co-operative Work Term

Year 2 - Semester 3

CIRC 220	Analog Integrated Circuits
CLTR 200	Culture and Diversity
COAP 222	Computer Programming
COMP 221	Computer Hardware Fundamentals
COMP 222	Microcontroller Programming
ENGE 221	Robotics and Embedded Systems
MAT 210	Integral Calculus for Engineering Technologies

Co-operative Work Term 2

COOP 201	Co-operative Work Term

Year 2 - Semester 4

BUS 203	Entrepreneurship for Engineering Technologies
CNST 220	Construction Techniques
COMP 207	Computer Interfacing
COMP 217	Computer Interfacing Laboratory
INST 229	Electronic Instruments
MAT 211	Advanced Mathematics for Engineering Technologies
PHYS 105	Physics
PROJ 287	Project Management

Co-operative Work Term 3

COOP 301	Co-operative Work Term

Year 3 - Semester 5

COAP 300	Artificial Intelligence
COAP 301	Artificial Intelligence Laboratory
COMP 227	Process Control Systems
COMP 301	Software Systems
COMP 302	Software Systems Laboratory
CSEC 300	Cybersecurity
PROJ 222	Capstone Research Project
TCOM 104	Applied Research in Technology

Design and Manufacturing Engineering Technology

Diploma

Location

- Saskatoon

Start date

- August

Duration

- 80 weeks (Year 1 - 40 weeks; Year 2 - 40 weeks)

Admission requirements

- Grade 12 with a minimum of 65% in Pre-Calculus 30* and a minimum of 70% in Physics 30
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

- Minimum of 60% in Math B30 and C30
- Effective beginning Fall 2021: Minimum of 65% in Math B30 and C30

Program overview

Imagine you could take an idea for a new smart product and bring it to life. Take a conceptual design, optimize it, do mechanical engineering analysis and create a prototype that may include user configurable options, intelligent control and sensors. As you design and prototype, you also plan how it will be manufactured with the latest automation and robotic equipment.

The Design and Manufacturing Engineering Technology program (formerly CAD/CAM Engineering Technology) has mechanical engineering subjects and mechanical design at its core, with specialty areas such as:

- Advanced Manufacturing (CNC machines, robots, industrial 3D printing)
- Mechatronics (Electronics, Microcontrollers - Arduino/Raspberry Pi, Programming)
- Computer systems and networking (Computer hardware, Wi-Fi, Networking)
- CAD and engineering software (2D/3D CAD, CNC simulation, Finite Element Analysis)

All these capabilities combine to enable smart product and systems design.

Work Integrated Learning methodology uses projects in many of the courses. Students have the opportunity to design and build products to reinforce the theory, rather than just theory and assignments.

Students also have an opportunity to participate in extracurricular activities including our Eco-car project, which is a student designed and built super mileage concept car. The car has placed as high as second in the world at the Shell Eco-marathon Drivers World Championship. There may also be opportunities for students to attend a short two-week international exchange to visit and learn in another country.

The Design and Manufacturing Engineering Technology program is a two-year diploma offered at Saskatchewan Polytechnic, Saskatoon Campus, Idylwyld Dr.

Saskatchewan Polytechnic's experienced instructors and leading-edge lab equipment provide an exceptional hands-on learning experience. The program enables your creativity and gives you the engineering and manufacturing tools and expertise that you need to bring ideas to life.

Career Opportunities

Design and manufacturing engineering technologists are practical thinkers with a flair for creative problem solving. They have a unique ability to visualize how things work and give ideas practical form and function. Career opportunities range from design and drafting, to production quality control, to CNC equipment programming and operation. Or you could work in product design, prototype development, mechatronics, 3D solid modelling, or advanced stress analysis.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

CAD 101	CAD Drafting
COMP 113	Spreadsheets for Engineering Technology
DRFT 290	Basic Drafting
ELTR 287	Information Technology (IT) Essentials
ENGM 191	Applied Mechanics: Statics
MAT 110	Mathematics for Engineering Technologies
MTRX 100	Introduction to Mechatronics
SEM 101	Technology Seminars

Year 1 - Semester 2

CAD 104	Parametric Part Modelling
ENGM 101	Strength of Materials
ENGM 180	Materials of Engineering
MAT 111	Calculus for Engineering Technologies
MTRX 101	Mechatronics 2-Programming
MTRX 102	Mechatronics 3-Electronics
TCOM 110	Workplace Communications
THER 101	Thermo-Fluid Fundamentals

Year 1 - Semester 3

CAD 105	Advanced Drafting and Assembly Modelling
CAD 200	Assembly Modeling and Project
MACH 191	Machine Shop Technology
MANU 100	Introduction to Computer Numerical Control (CNC)
SHOP 186	Mechanical Components and Systems Lab
TCOM 111	Technical Communication
WELD 387	Welding for Technologists

Year 2 - Semester 4

CAD 287	Computer Aided Manufacturing 1
DSGN 280	Mechanical Design 1
ENGM 193	Applied Mechanics - Dynamics
MANU 201	Additive Manufacturing Engineering
MANU 290	Manufacturing 1 - Metals
MTRX 200	Manufacturing Networking Systems
MTRX 201	Production Management and Mechatronics Project
THER 200	Thermo-Fluid Systems 2

Year 2 - Semester 5

CAD 288	Computer Aided Manufacturing 2
DSGN 207	Engineering Research and Technical Proposal
DSGN 282	Mechanical Design 2
ENG 291	Concurrent Engineering 1
ENG 292	Finite Element Modeling
MANU 202	Manufacturing 2-Plastics
MANU 203	Quality Assurance
MANU 291	Advanced Manufacturing
PROJ 287	Project Management

Year 2 - Semester 6

CAD 298	Engineering Seminars

CLTR 200	Culture and Diversity
DSGN 208	Concurrent Engineering 2
DSGN 283	Mechanical Design Project
MANU 204	Advanced Manufacturing Project
PROJ 218	Capstone Project

Electrical Engineering Technology

Diploma

Location

- Moose Jaw

Start date

- September

Duration

- 76 weeks:
  - There are five academic semesters and three mandatory four-month paid Co-operative Education work terms. Semesters and co-op work term time patterns are listed in Courses below.

Admission requirements

- Grade 12 with a minimum of 60% in Pre-Calculus 30*
- Physics 30
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

- Minimum of 60% in Math B30 and C30

Notes:

- Many of our co-op employers require both a valid Saskatchewan Driver's License and a clean Driver's Abstract. For international students, it can take up to 12 months to obtain a Driver's License; therefore, it is to your advantage to come with a Driver's License from your home country if possible. Some co-op opportunities require a Criminal Record Check and/or drug and alcohol testing.
- It is recommended that students have computer literacy, including Windows Operating System and Microsoft Office.

Program overview

Electrical engineering technologists are specialists in managing energy. It's a powerful career choice that demands good problem-solving skills and an eye for detail. In return, you'll enjoy good job prospects, excellent mobility and great earning potential.

The Electrical Engineering Technology program is a three-year diploma offered full time at Saskatchewan Polytechnic, Moose Jaw Campus. There are five academic semesters and three Co-operative Education work terms.

You'll study topics that provide comprehensive knowledge and skills in the generation, transmission and distribution, utilization, protection, and sustainable management of energy. Your knowledge and skills will become more focused as you advance. Some of the topics you'll study are:

- Electrical machines
- Electrical power generation
- Electrical system design
- Industrial automation and control systems
- Industrial power electronics
- Instrumentation
- Power transmission and distribution
- Project management
- Relaying and protection
- Renewable energy systems.
- and much more

Lab work and projects provide a hands-on focus to learning. You'll develop a technical proposal, apply research skills to a technical problem, design and build electrical systems and more.

The Co-op Work Term Advantage

Co-operative work terms are paid, so you'll earn while you learn. Saskatchewan Polytechnic arranges your interviews; it's up to you to shine. It's also a chance to develop important "soft skills" in job interviewing, professional attitude, interpersonal communication and more.

Many of our co-op employers require both a valid Saskatchewan Driver's License and a clean Driver's Abstract. For international students, it can take up to 12 months to obtain a Driver's license; therefore, it is to your advantage to come with a Driver's License from your home country if possible. Some opportunities require a Criminal Record Check and/or drug and alcohol testing.

Diploma to Degree

Ladder your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Use your diploma to ladder into an engineering degree at Lakehead University in Ontario or a mining engineering technology degree at

Queen's University in Ontario or a technology degree at Memorial University in Newfoundland.

Learning Environment

- 40 students are accepted each year.
- Students will experience lab and project work, lectures, and co-operative work terms.
- Class hours are 8:30 a.m. to 4:30 p.m. daily. On average students are expected to complete 20 hours of homework each week outside class time.
- There are some group projects that require coordination.
- It is very important that students take initiative and manage their work time effectively.

Career Opportunities

Demand for electrical engineering technology graduates is strong. There are opportunities in construction, manufacturing, consulting engineering, power generation, renewable energy, mining, oil and gas. You could work in plant operations and maintenance, technical sales and service, automated control systems, design, estimating, metering and more.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

CADD 120	Computer Aided Drafting 1
ENGE 120	Basic Electricity
LABS 120	Basic Electricity Lab
MAT 110	Mathematics for Engineering Technologies
PHYS 101	Engineering Physics
SAFE 112	Safety and Code Book Regulations
SEM 101	Technology Seminars
STAT 200	Statistics for Technology
TCOM 102	Workplace Communication

Year 1 - Semester 2

CLTR 100	Diversity
DGTL 221	Digital Logic Circuits
ELTR 221	Semi-Conductor Electronics
ENGE 201	Direct Current Machines
ENGE 220	Alternating Current Circuits
LABS 200	Direct Current Machines Lab
LABS 221	Alternating Current Circuit Lab
LABS 222	Semi-Conductor Electronics Lab
MAT 112	Differential Calculus for Engineering Technologies

Co-operative Work Term 1

COOP 101	Co-operative Work Term

Year 2 - Semester 3

CNTR 230	Industrial Machine Controls
DSGN 225	Power Transmission and Distribution
ELTR 223	Industrial Power Electronics 1
ENGE 202	Alternating Current Machines
INST 225	Instrumentation
LABS 201	Alternating Current Machines Lab
LABS 224	Industrial Power Electronics Lab 1
LABS 230	Industrial Machine Controls Lab
MAT 210	Integral Calculus for Engineering Technologies
SEM 208	Industry Engagement

Co-operative Work Term 2

COOP 201	Co-operative Work Term

Year 2 - Semester 4

COAP 232	Computer Programming
COMP 246	SCADA Systems
ENGE 231	Transformers
ENVR 206	Energy Resource Management
MAT 211	Advanced Mathematics for Engineering Technologies
PROJ 287	Project Management
TCOM 103	Technical Communication

Co-operative Work Term 3

COOP 301	Co-operative Work Term

Year 3 - Semester 5

CNTR 231	Control Systems
DSGN 209	Electrical Systems Design
ELTR 228	Industrial Power Electronics 2
ENGE 232	Power System Protection
ENRG 200	Renewable Energy Systems
LABS 227	Industrial Power Electronics Lab 2
LABS 232	Power System Protection Lab
PROJ 206	Capstone Project
TCOM 104	Applied Research in Technology

Electronic Systems Engineering Technology

Diploma

Location

- Saskatoon

Start date

- August

Duration

- 74 weeks:
  - Year 1 - 37 weeks; Year 2 - 37 weeks

School of Mining, Energy and Manufacturing

Admission requirements

- Grade 12 with a minimum of 60% in Pre-Calculus 30*
- Physics 30
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

- Minimum of 60% in Math B30 and C30

Program overview

Electronic systems are in everything—computers, robotics, medical electronics, fibre optics, automotive electronics, mobile communications, automation, aerospace and surveillance systems and more. That means your potential job market as an electronic systems engineering technologist is huge. It's diverse, dynamic and growing. Saskatchewan Polytechnic offers the well-rounded education you need to start a career designing, servicing and troubleshooting systems.

Electronic Systems Engineering Technology is a two-year diploma program offered full time at Saskatchewan Polytechnic, Saskatoon Campus, Idylwyld Dr. You'll gain knowledge and skills in:

- analog and digital circuits
- automation systems
- data and radio communications
- electronic prototyping
- microprocessors and microcontrollers
- printed circuit board design
- programmable logic controllers
- technical reporting and project management

You'll develop troubleshooting skills through practical labs, build project management skills and carry out an applied research project. Your studies culminate in hands-on projects that challenge you to design, test and construct your own electronic prototype.

Diploma to Degree

Use your diploma to ladder into a construction management degree or Bachelor of Applied Management degree at Sask Polytech, Bachelor of Engineering Technology Manufacturing or Bachelor of Engineering Technology Petroleum at Cape Breton University, Bachelor of Technology at Memorial University or a BTech (mining) degree at Queen's University.

Diploma graduates are eligible to take the Bachelor of Applied Management degree right here at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Subsidize Your Study

Check out the Canadian Armed Forces (CAF) Non-Commissioned Member Subsidized Training and Education Plan (NCM-STEP) for Weapons Engineering Technician in the Royal Canadian Navy. The plan covers your education and training costs while in school, and salary, vacation, medical and dental benefits. For more information, please visit www.forces.ca

Career Opportunities

You'll be job ready on graduation. First jobs are most often in the design, development, production, installation, sales and service of electronic products and systems. Employers include industrial facilities, manufacturers, commercial organizations, communications providers, resource companies and public agencies. You might create a career for yourself as an independent consultant or be part of a team in a large organization.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

DGTL 106	Digital 1
DGTL 107	Digital 1 Lab
DRFT 189	Electronic Drafting
ELCT 112	Basic Electricity 1
ELCT 113	Basic Electricity Lab 1
MAT 110	Mathematics for Engineering Technologies
SEM 101	Technology Seminars
SHOP 110	Fabrication Techniques
STAT 200	Statistics for Technology

Year 1 - Semester 2

CLTR 200	Culture and Diversity
DGTL 108	Digital 2
DGTL 109	Digital 2 Lab
ELCT 114	Basic Electricity 2
ELCT 115	Basic Electricity 2 Lab
ELTR 193	Industrial Electronics
ELTR 194	Industrial Electronics Lab
ELTR 195	Power Electronics
ELTR 197	Analog Devices

Year 1 - Semester 3

COMP 111	'C' Programming for Embedded Microcontrollers
ELTR 196	Mechatronics

ELTR 198	Troubleshooting
TCOM 102	Workplace Communication

Year 2 - Semester 4

CIRC 104	Sensors
CNTR 204	Automation
CNTR 205	Automation Project
DGTL 203	Microcontrollers
ELTR 200	Introduction to Communication Systems
MAT 111	Calculus for Engineering Technologies
MGMT 102	Project Management
TCOM 103	Technical Communication

Year 2 - Semester 5

CIRC 102	Printed Circuit Design
CNTR 105	Process Control
DGTL 204	Advanced Digital
DGTL 205	Digital Signal Processing
ELTR 203	Radio Communications
ELTR 204	Radio Communications Lab
PROJ 104	Project
TCOM 104	Applied Research in Technology

Year 2 - Semester 6

CNTR 202	Automation Systems
ELTR 201	Data Communications
ELTR 202	Data Communications Lab

Note: A technical thesis is an integral part of this program.

Engineering Design and Drafting Technology

Diploma

Location

- Moose Jaw

Start date

- September

Duration

- 80 weeks
    - There are five academic semesters and three mandatory four-month paid Co-operative Education work terms.

Admission requirements

- Grade 12 with Pre-Calculus 30*
- English Language Requirement

Note

- Physics 30 is recommended. Physics is not admission requirements; however, it would be extremely helpful to student success in the program.

***Previous Saskatchewan mathematics requirement also accepted:**

- Math A30, B30 and C30

Program overview

Engineering design and drafting technologists participate in multi-discipline engineering projects and are at the fore of building information modeling (BIM) and the integration of digital transformation technology into project management. As technologists in this dynamic role, we use industry-standard software to collaborate, design, model, draft, coordinate and document projects in many disciplines, such as construction, mining and manufacturing.

The Engineering Design &; Drafting Technology program is a three-year diploma offered full time at Saskatchewan Polytechnic, Moose Jaw Campus. You'll take five academic semesters and three Co-operative Education work terms. You'll be trained in:

Drafting fundamentals
- 2D drafting
- 3D modelling
- drafting standards and best practices

Project management
- Building information modeling (BIM)
- Digital transformation
- Digital twins
- 3D scanning and point cloud data manipulation

Industrial/Commercial structural and mechanical
- Structural steel detailing
- Fabrication and installation drawings
- Mechanical electrical and plumbing (MEP)
- Architecture engineering construction (AEC)
- Heating, ventilation, and air conditioning (HVAC)

Manufacturing and fabrication
- 3D parametric modelling
- Geometric dimensioning and tolerancing (GD&; T)
- Weldments and weld symbols
- Rapid prototyping

Municipal
- Road
- Infrastructure

Engineering design

Practical experience includes using current industry standard CAD software to design and produce engineering projects in 2D and 3D environments. You'll complete a major project using Building

Information Modeling (BIM) Technology by integrating civil, mechanical piping systems and structural design, applying the concepts of project management and carrying out an applied capstone research project.

The Co-op Work Term Advantage

Co-operative work terms are paid, so you'll earn while you learn. Saskatchewan Polytechnic arranges your interviews; it's up to you to shine. It's also a chance to develop important "soft skills" in job interviewing, professional attitude, interpersonal communication and more. Many of our co-op employers require both a valid Saskatchewan Driver's License and a clean Driver's Abstract. For international students, it can take up to 12 months to obtain a Driver's license; therefore, it is to your advantage to come with a Driver's License from your home country if possible. Some opportunities require a Criminal Record Check and/or drug and alcohol testing.

Diploma to Degree

Use your diploma to ladder into a construction management degree or Bachelor of Applied Management degree at Sask Polytech, Bachelor of Engineering Technology Manufacturing or Bachelor of Engineering Technology Petroleum at Cape Breton University, Bachelor of Technology at Memorial University or a BTech (mining) degree at Queen's University.

Learning Environment

- 24 students are accepted each year
- Students will experience computer-based assignments and project work, lectures, and co-operative work terms
- Class hours are 8:30am – 4:30pm Monday to Friday
- Students are expected to complete an average of 20 hours of homework per week, outside of class time, time management is important

Career Opportunities

Saskatchewan Polytechnic graduates are sought after as computer-aided draftspersons. Potential employers include engineering firms, construction companies, land surveyors, mining, manufacturing and fabrication companies, utilities and all levels of government. Your work could involve electrical, mechanical and structural design of buildings and other structures, land development or infrastructure projects such as sewer and water facilities.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

BIM 100	Building Information Modeling (BIM) 1
CADD 120	Computer Aided Drafting 1
CADD 126	Computer Aided Drafting Management
COMP 106	Spreadsheets for Engineering Technology
DRFT 106	Drafting Applications 1
MAT 110	Mathematics for Engineering Technologies
PHYS 104	Physics for Engineering Technologies
SEM 101	Technology Seminars
TCOM 102	Workplace Communication

Year 1 - Semester 2

CADD 127	Architectural Drafting
CADD 128	Manufacturing Drafting
CADD 211	Computer Aided Drafting 2
CLTR 200	Culture and Diversity
DRFT 205	Drafting Applications 2
ENG 100	Applied Theory of Structures
MAT 111	Calculus for Engineering Technologies
TCOM 103	Technical Communication

Co-operative Work Term 1

COOP 101	Co-operative Work Term

Year 2 - Semester 3

CVEN 198	Civil Drafting 1
ELEC 217	Basic Electricity
ENG 200	Applied Fluid Mechanics
ENG 201	Applied Mechanics of Materials
GEOM 100	Geographic Information System Applications and Mapping Concepts
MECH 200	Industrial Building Mechanical Drafting 1
SRVY 104	Survey Data Interpretation
STRU 104	Structural Drafting

Co-operative Work Term 2

COOP 201	Co-operative Work Term

Co-operative Work Term 3

COOP 301	Co-operative Work Term

Year 2 - Semester 4

CVEN 199	Civil Design
CVEN 200	Civil Drafting 2
ENG 202	Steel Design
ENG 203	Concrete and Timber Design
MANU 209	Product Manufacturing Drafting
MECH 201	Industrial Building Mechanical Drafting 2
MGMT 212	Project Management
STAT 200	Statistics for Technology

Year 3 - Semester 5

BIM 300	Building Information Modelling (BIM) 2
CVEN 201	Civil Drafting Project
ENG 300	Industrial Building Mechanical Design
MECH 202	Industrial Building Mechanical Project
PROJ 206	Capstone Project
STRU 202	Structural Drafting Project
TCOM 104	Applied Research in Technology

Fabricator - Welder

Certificate

Location

- Regina
- Saskatoon

Start date

- September

Duration

- 34 weeks

Admission requirements

- Grade 12 with Foundations of Math 20 or Workplace and Apprenticeship Math 20 or Pre-Calculus 20*
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted**

- Math 20

Program overview

Metal fabricator-welders are in high demand—in the oil patch, mining, manufacturing and construction. It's a trade that requires a high level of skill and a comprehensive knowledge of industrial welding and joining processes. The payoff is high wages and good career mobility.

It's a great way to jump into the workforce … in either the welding or steel fabrication trade.

Fabricator-Welder is a one-year, dual certificate program offered at Regina and Saskatoon campuses. You'll learn from experienced instructors how to interpret drawings and use different welding processes and metal forming machinery. Working in Saskatchewan Polytechnic's well-equipped shops, you'll be trained in:

- benchwork and trade safety
- communications, trade math and print reading
- layout, template development and fitting
- gas metal arc and gas tungsten arc welding
- oxy-fuel processes and plasma arc cutting
- rigging and electric overhead crane operation
- shielded metal arc welding
- shop management

You'll also fabricate several projects, complete your Canadian Welding Bureau (CWB) welder qualification tests and participate in a one-week work experience.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

As a graduate of the Fabricator-Welder program, you can work in the custom fabrication, construction, mass production, maintenance, petroleum, mining, forestry and railway industries. You can work in either welding or steel fabrication. Steel fabricators work in steel fabrication plants and heavy machinery manufacturing companies.

Welders work for companies that manufacture structural steel plate work, boilers, heavy machinery and other metal products, and for welding contractors and welding shops. Once you gain experience and skills, you can also contract yourself out or start your own business.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

BESK 101	Hand and Power Tools
COMM 127	Fundamental Communication Skills
COMP 172	Introduction to Microsoft Word and Excel
EQPT 116	Layout and Template Development
EQPT 117	Layout and Fitting
EQPT 118	Metal Working Equipment
INDG 100	Introduction to Indigenous Studies
JOBS 101	Shop Management
MATH 136	Trade Mathematics
METL 107	Metallurgy and Material Designations

PRNT 106	Hand Drafting
PRNT 107	Drawing Interpretation and Welding Symbols
PRNT 108	Introduction to Computer Aided Design
PROJ 123	Fab, Form and Fit Projects
PROJ 124	Tank and Vessel Project
PROJ 125	Final Fabrication Project
RIGG 105	Rigging and Crane Operation
SFTY 133	Trade Safety
WLDR 142	Shielded Metal Arc Welding Theory
WLDR 143	Shielded Metal Arc Welding Shop 1
WLDR 144	Oxy-Fuel Processes Theory
WLDR 145	Oxy-Fuel Processes Shop
WLDR 146	Oxy-Fuel and Thermal Cutting
WLDR 147	Wire Feed Welding Process Theory
WLDR 149	Canadian Welding Bureau W47.1 Welder Qualification
WLDR 150	Introduction to Gas Tungsten Arc Welding
WLDR 163	Shielded Metal Arc Welding Shop 2
WLDR 164	Wire Feed Welding Processes Shop 1
WLDR 165	Wire Feed Welding Processes Shop 2
WORK 119	Work Experience

Industrial Mechanics

Applied Certificate

Location

- Delivery is subject to needs assessment.

Start date

Delivery is subject to needs assessment

Duration

- 16 weeks

Admission requirements

- Grade 12 with one of the following mathematics: Foundations of Math 20 or Workplace and Apprenticeship Math 20 or Pre-Calculus 20
- English Language Requirement

Program overview

If you like working with machinery, enjoy solving mechanical problems and are good with your hands, check out Saskatchewan Polytechnic's Industrial Mechanics applied certificate program. You'll get the knowledge and skills you need to install, repair, overhaul and maintain stationary, industrial machinery and mechanical equipment.

Demand for industrial mechanics—also called millwrights—is high across western Canada. Oil and gas, and mining are big employers, but there's also demand in manufacturing, milling, power generation and chemical plants.

Industrial Mechanics applied certificate is a 16-week program offered at Saskatchewan Polytechnic Prince Albert campus and Regina campus. Working in well-equipped shops with highly qualified instructors, you'll get practical, hands-on training in:

- trade math, drafting and blueprint reading
- welding and cutting
- using tools of the trade

50% Shop Time, 50% Class Time

Hands-on learning means you'll spend much of your time applying what you learn in Saskatchewan Polytechnic's well-equipped shops. Strong industry support for our students means you'll work with the latest tools and equipment. You'll also get a chance to apply your skills during a two-week work experience.

The Industrial Mechanics applied certificate program may be offered at all Saskatchewan Polytechnic campuses subject to a needs assessment. It is also delivered off campus through continuing education.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Career Opportunities

Industrial mechanics are also known by other trade names (i.e., maintenance mechanics, millwrights or machine repairmen). Graduates may find employment in commercial or industrial operations that use machinery. These include wood, cereal, meat processing and power generating plants, hard rock and potash mines, mills and refineries.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

DRFT 113	Drafting and Blueprint Reading
INDG 100	Introduction to Indigenous Studies
MATH 107	Trade Math

METL 105	Metallurgy
RIGG 100	Rigging
SAFE 106	Safety and Communication Techniques
TOOL 114	Hand Threading Tools, Threads and Fasteners
TOOL 115	Assembly and Measuring Tools
TOOL 116	Power Tools
TOOL 156	Lay-Out and Hand Cutting Tools
WLDR 103	Welding and Cutting
WORK 117	Work Experience

Industrial Mechanics

Certificate

Location

- Prince Albert
- Saskatoon

Start date

- September

Duration

- 32 weeks

Admission requirements

- Grade 12 with one of the following mathematics: Foundations of Math 20 or Workplace and Apprenticeship Math 20 or Pre-Calculus 20
- English Language Requirement

Program overview

If you like working with machinery, enjoy solving mechanical problems and are good with your hands, check out Saskatchewan Polytechnic's Industrial Mechanics program. You'll get the basic knowledge and skills you need to install, repair, overhaul and maintain stationary, industrial machinery and mechanical equipment.

Demand for industrial mechanics—also called millwrights—is high across western Canada. Oil &; gas and mining are big employers, but there's also demand in manufacturing, milling, power generation and chemical plants.

Industrial Mechanics is a one-year certificate program offered at Saskatchewan Polytechnic Prince Albert campus, Regina campus and Saskatoon campus. Working in well-equipped shops with highly qualified instructors, you'll get practical, hands-on training in:

- basic math, drafting and blueprint reading
- basic welding, fabrication and installation
- pumps and pipe fitting
- mechanical components
- using tools of the trade

50% Shop Time, 50% Class Time

Hands-on learning means you'll spend much of your time applying what you learn in Saskatchewan Polytechnic's well-equipped shops. Strong industry support for our students means you'll work with the latest tools and equipment. You'll also get a chance to apply your skills during a two-week work experience.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

Saskatchewan Polytechnic Industrial Mechanics graduates work in many different industries: oil and gas, mining, milling, manufacturing, power generation and processing. Wherever mechanical equipment and machines need to be installed, repaired, overhauled and maintained, there is work for industrial mechanics and millwrights.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

COMM 127	Fundamental Communication Skills
DRFT 183	Drafting and Blueprint Reading
HYDR 100	Hydraulics
INDG 100	Introduction to Indigenous Studies
INDM 101	Belts, Chains, Shafts and Gears
INDM 104	Couplings, Clutches and Brakes
INDM 105	Pneumatics and Compressors
INDM 112	Machine Installation and Shaft Alignment
INDM 113	Lubrication, Seals and Gaskets

INDM 114	Rigging, Hoisting, Lifting and Safety
INDM 115	Bearings
MATH 181	Industrial Mechanics Certificate Trade Mathematics
METL 101	Metallurgy and Fabrication
PIPE 100	Pumps and Pipe Fitting
PRAC 182	Work Experience
TOOL 101	Machine Tool Operation
TOOL 102	Hand Cut Tools
TOOL 103	Assembly and Measuring Tools
TOOL 104	Power Tools
WLDR 137	Oxy Fuel, Cutting and Welding, Gas Metal Arc Welding (GMAW)
WLDR 138	Shielded Metal Arc Welding (SMAW)

Innovative Manufacturing
Diploma

Location

- Regina

Start date

September

Duration

- Year 1 - 44 weeks; Year 2 - 32 weeks

Admission requirements

- Grade 12 with:
- Minimum 60% in Foundations of Mathematics 20 or Pre-Calculus 20 or Workplace and Apprenticeship Math 30 *
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

- Minimum 60% in Math 20 or General Math 30

Program overview

Saskatchewan's manufacturing sector continues to grow and need skilled workers. With a diploma in Innovative Manufacturing, you will be prepared to help meet these needs. The program offers a wide range of skill-based training in all aspects of the manufacturing industry, including design, CAD/CAM drafting, Computer Numerical Control (CNC) machining, welding, fabrication, robotics, 3-D printing and project management. Throughout your studies you will practice your skills and complete projects using industry-standard tools and equipment. As part of your training, you will have an opportunity to participate in a two-week, industry-based work placement.

Program faculty are accredited in their respective fields, have worked in industry and will teach you up-to-date manufacturing techniques and processes.

Career Opportunities

As a graduate from the Innovative Manufacturing diploma program, you may find employment with independent manufacturing companies as well as government agencies. Depending on the wide range of industry requirements, some of your work duties may include designing, drafting and fabricating machine parts, developing working plans and prototypes, as well as contributing to quality assurance and quality control, safety, and production requirements.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

CAD 106	Autodesk Inventor (3D)
CLTR 200	Culture and Diversity
DRFT 174	Drafting Principles
ENGL 101	Critical Reading and Writing
MACH 108	Machine Shop Fundamentals
MATH 104	Applied Mathematics
MEAS 161	Precision Measurement and Tooling
SEM 101	Technology Seminars

Year 1 - Semester 2

COAP 172	Computer Applications
COM 170	Professional Workplace Communication
DRFT 177	Mechanical Drafting
MACH 155	Drilling Machine Operations
MATH 167	Applied Mathematics 2
MECH 160	Applied Mechanics: Statics
SEM 108	Innovative Manufacturing Seminar
WLDR 152	Cutting Processes and Shielded Metal Arc Welding
WLDR 153	Gas Metal Arc Welding 1

Year 1 - Semester 3

MACH 109	Introduction to G-code
MACH 110	Computer Numerical Control Lathe
MACH 111	Computer Numerical Control Mill
MACH 150	Milling Machine Operations
MACH 151	Lathe Operations

MANU 101	Introduction to Additive Manufacturing
MATE 170	Manufacturing Materials
WORK 169	Work Experience

Year 2 - Semester 4

CAM 200	Computer Aided Manufacturing 1
CAM 201	Computer Aided Manufacturing 2
HYDR 173	Fluid Power
MANU 170	Manufacturing Processes and Systems
MANU 205	Supply Chain Management
MANU 206	Introduction to Robotics in Manufacturing
MECH 161	Applied Mechanics: Dynamics
PROJ 287	Project Management
WLDR 154	Automation and Gas Metal Arc Welding

Year 2 - Semester 5

CAM 202	Computer Aided Manufacturing 3
MACH 202	Multi Axis Machining
MANU 207	Applications with Robotics in Manufacturing
MANU 208	Operations Management
PROJ 184	Project
TCOM 104	Applied Research in Technology
WLDR 155	Flux-Cored, Metal-Cored and Advanced Wire Feed Processes
WLDR 157	Fabrication Equipment

Instrumentation Engineering Technology Diploma

Location

- Moose Jaw

Start date

- September

Duration

- 76 weeks
  - There are five academic semesters and three mandatory four-month paid Co-operative Education work terms. Semesters and co-op work term time patterns are listed in Courses below.

Admission requirements

- Grade 12 with a minimum of 60% in Pre-Calculus 30*
- Physics 30
- English Language Requirement

Note

***Previous Saskatchewan mathematics requirement also accepted:**

- Minimum of 60% in Math B30 and C30

Program overview

Whether at urban power plants or remote mine sites, big machines are working 24/7. These machines are controlled by complex instruments… so complex it takes specialized technologists to look after them.

Instrumentation engineering technology is a specific skill set—you need to be comfortable with technology, good at visualizing how systems work and interested in troubleshooting solutions. It's also a career with diverse job opportunities. Demand is especially high in heavy industry, mining, manufacturing, and production.

Saskatchewan Polytechnic offers the only accredited instrumentation engineering technology program in Saskatchewan. The three-year diploma is offered full time at Saskatchewan Polytechnic Moose Jaw campus. During five academic semesters and three Co-operative Education work terms, you'll get practical training in:

- analytical instruments
- codes and standards
- computer programming
- data communications and networks
- digital and linear circuits
- digital logic
- distributed systems
- drafting
- electronics
- instrument measurement
- machine shop
- process applications
- project management
- relay and instrument controls

Classroom theory is supported by extensive lab time. You'll have access to leading-edge equipment and supportive instruction as you apply what you've learned in experiments, applied research and a major second-year project.

The Co-op Work Term Advantage

Co-operative work terms are paid, so you'll earn while you learn. Saskatchewan Polytechnic arranges your interviews; it's up to you to shine. It's also a chance to develop important "soft skills" in job interviewing, professional attitude, interpersonal communication and more.

Many of our co-op employers require both a valid Saskatchewan Driver's License and a clean Driver's Abstract. For international students, it can take up to 12 months to obtain a Driver's license; therefore, it is to your advantage to come with a Driver's License from your home country if possible.

Get a Global Learning Experience

As a student in this program, you can sharpen your intercultural skills. You may have an opportunity to study and learn abroad. Learn more about global learning experiences at Sask Polytech.

Diploma to Degree

Use your diploma to ladder into a technology degree at Memorial University in Newfoundland or a mining engineering technology degree at Queen's University in Ontario.

Bachelor of Applied Management

Ladder your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Career Opportunities

Instrumentation engineering technologists work at oil refineries, fertilizer, and petrochemical plants, mine and mill sites, manufacturing facilities, for consulting engineering firms, for sales and service companies. The type of work is also varied; you could be involved in installation, calibration, maintenance, operation and monitoring, upgrading and troubleshooting.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

CIRC 105	Basic Electronics
CIRC 106	Basic Electronics Lab
INST 105	Industrial Instrumentation Practices
MAT 110	Mathematics for Engineering Technologies
MEAS 111	Instrument Measurement 1
MEAS 112	Instrument Measurement 1 Lab
PHYS 107	Instrumentation Physics
SEM 101	Technology Seminars

Year 1 - Semester 2

CHEM 125	Chemistry 1
CIRC 107	Digital Electronics
CIRC 108	Digital Electronics Lab
INST 106	Instrumentation Safety
INST 107	Industrial Instrumentation Documentation
INST 221	Final Control Elements
MAT 112	Differential Calculus for Engineering Technologies
TCOM 102	Workplace Communication

Co-operative Work Term 1

COOP 101	Co-operative Work Term

Year 2 - Semester 3

CHEM 225	Chemistry 2
CIRC 200	Automation Circuits 1
CNTR 207	Instrument Control 1
CNTR 208	Instrument Control 1 Lab
COMP 218	Industrial Computer Applications
MAT 210	Integral Calculus for Engineering Technologies
MEAS 200	Instrument Measurement 2
TCOM 103	Technical Communication

Co-operative Work Term 2

COOP 201	Co-operative Work Term

Year 2 - Semester 4

CIRC 222	Automation Circuits 2
CNTR 209	Instrument Control 2
CNTR 210	Distributed Control Systems
MAT 211	Advanced Mathematics for Engineering Technologies
MEAS 201	Instrument Measurement: Analyzers 1
PROJ 227	Project Management

Co-operative Work Term 3

COOP 301	Co-operative Work Term

Year 3 - Semester 5

CIRC 201	Automation Circuits 3
CIRC 202	Industrial Data Communications and Networks
CIRC 203	Industrial Data Communications and Networks Lab
CLTR 100	Diversity
CNTR 229	Instrument Control 3
MEAS 202	Instrument Measurement: Analyzers 2
PROJ 206	Capstone Project
STAT 201	Statistics for Engineering Technology
TCOM 104	Applied Research in Technology

Machinist

Certificate

Location

- Regina
- Saskatoon

School of Mining, Energy and Manufacturing

Start date

August 28, 2023

Duration

- 34 weeks

Admission requirements

- Grade 10
- Effective Fall 2023 - Grade 12
- English Language Requirement

Program overview

Machinists are in high demand in western Canada—from the oil patch to power utilities, from manufacturing facilities to mines, mills and chemical plants. The job demands both problem-solving and creativity to machine parts to blueprint specifications.

Saskatchewan Polytechnic's Machinist certificate program can fast-track you into the workforce and give you a head start on apprenticeship. You'll need good computer skills, math skills and be comfortable working in industrial settings.

Machinist is a one-year certificate program offered in Saskatoon and Regina. You'll learn on a variety of machine tools in Saskatchewan Polytechnic's well-equipped shops including lathes, mills, drill presses, surface grinders, CNC lathes and machining centres. You'll also learn online, blended training for the CNC course, and participate in an industry-based work experience.

Experienced instructors who understand the demands of industrial workplaces, from maintaining workflow to working safely, will help you build knowledge and skills in:

- blueprint reading, technical drawing, precision measurement
- communications and applied math
- computer numerical control (CNC)
- drilling machine operations
- grinding and sawing operations
- heat treatment processes
- lathe operations
- materials selection
- milling machine operations

Apprenticeship Credit

With this Sask Polytech credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

Graduates of the certificate program are working in manufacturing facilities, equipment repair shops, custom machine shops, steel mills, metal fabrication plants, power generating plants, food processing plants, mines, welding repair shops, engine rebuilding shops and machine manufacturing companies.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

BESK 104	Benchwork 1
BESK 105	Benchwork 2
BESK 106	Benchwork 3
COMM 127	Fundamental Communication Skills
DRAW 100	Technical Drawing
INDG 100	Introduction to Indigenous Studies
MACH 101	Drilling Machine Operations
MACH 102	Precision Grinding Operations
MACH 105	Sawing Operations
MACH 122	CNC Basics
MACH 123	CNC Lathe
MACH 124	CNC Mill
MACH 125	Lathe Operations 1
MACH 126	Lathe Operations 2
MACH 127	Lathe Operations 3
MACH 128	Lathe Operations 4
MACH 129	Manual Milling Machine 1
MACH 130	Manual Milling Machine 2
MATE 100	Materials Selection
MATH 104	Applied Mathematics
MEAS 100	Precision Measurement
PRNT 100	Blueprint Reading
SAFE 117	Safe Working Environment
THER 100	Heat Treatment Processes
WELD 102	Welding Operations
WORK 100	Industrial Attachment

Mechanical Engineering Technology
Diploma

Location

- Saskatoon

Start date

- August

Duration

- 80 weeks

Admission requirements

- Grade 12 with a minimum of 65% in Pre-Calculus 30*, and 70% in Physics 30
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

- Minimum of 65% in Math B30 and C30

Program overview

Mechanical engineering technology (MET) bridges engineering and technical fields, supporting diverse and rewarding career opportunities. It combines theories of science and engineering with practical hands-on applications to problem solve and innovate. Its focused content and two-year delivery also makes MET an ideal choice for anyone interested in exploring a technical field, or seeking to shift career paths.

Mechanical engineering technologists (METs) are involved in all stages of design, development, and implementation - supporting projects from conception to completion and ongoing operation in a broad spectrum of industries. Whether you want to flex your design and analytical skills or make and influence policy and process improvements, the versatile education within the MET program provides the necessary foundation.

This foundation encompasses three primary areas of content focus and integration:

Mechanical design and development

- You will learn how to analyze and design complex machines and structures, leveraging software (e.g., CAD, FEA) in support. You will also investigate appropriate materials as well as manufacturing and fabrication processes.

Energy (thermal-fluid) systems

- You will learn how to evaluate, design, and implement a wide variety of energy systems (e.g., power generation, industrial processes, fluid power / hydraulics, piping networks, ventilation / air-conditioning) including emerging technologies. You will investigate effective green building design and energy-use strategies in context of environmental impact.

Instrumentation and controls

- You will learn how to integrate sensors and instrumentation into both mechanical systems as well as thermal-fluid energy systems for both monitoring and control purposes.

The overall program intent is to develop an individual whose skillset makes them an effective, contributing team-member from the start. Your fundamental curiosity and commitment to continued learning in the field will also allow you to pursue diverse roles of increasing complexity and responsibility throughout your career.

Get a Global Learning Experience

As a student in this program, you can sharpen your intercultural skills. You may have an opportunity to study and learn abroad. Learn more about global learning experiences at Sask Polytech.

Diploma to Degree

Use your diploma to ladder into bachelor of engineering or technology degree programs at Lakehead University in Ontario or Memorial University in Newfoundland or Queen's University in Ontario.

Bachelor of Applied Management

Ladder your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Career Opportunities

Mechanical Engineering Technology graduates are working in many different industries, both in Saskatchewan and worldwide. Locally, resource extraction and processing, manufacturing, the built environment, as well as research and design are dominant employment sectors. METs are also well poised to serve emerging fields such as energy management and decarbonization or reliability engineering.

You may perform mechanical design for an engineering design firm, oversee the manufacturing of specialized equipment, improve the reliability and operation of a specialized process, or project manage the construction of a building. There are entry-level jobs in mechanical design and drafting, product testing, process

instrumentation, systems inspection, technical sales and support. Potential employers include consulting engineering firms, mining and manufacturing companies, equipment distributors, utilities, municipalities and government agencies.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

CAD 101	CAD Drafting
COMP 113	Spreadsheets for Engineering Technology
DRFT 114	Drafting Principles
ENGM 191	Applied Mechanics: Statics
FMEC 100	Fluid Mechanical Energy Concepts
MAT 110	Mathematics for Engineering Technologies
MECH 100	Mechanical Engineering Concepts and Applications
SEM 101	Technology Seminars

Year 1 - Semester 2

ELEC 279	Basic Electricity
ENGM 101	Strength of Materials
ENGM 180	Materials of Engineering
FMEC 101	Fluid Transport and Energy Systems
MAT 111	Calculus for Engineering Technologies
SEM 107	Engineering Software Applications
TCOM 110	Workplace Communications
TCOM 111	Technical Communication

Year 1 - Semester 3

CAD 103	CAD Modelling 1
CLTR 200	Culture and Diversity
CNTR 206	Automation Control Applications
FMEC 102	Piping Analysis and Modeling
MACH 191	Machine Shop Technology
SHOP 186	Mechanical Components and Systems Lab
WELD 387	Welding for Technologists

Year 2 - Semester 4

CAD 201	Advanced Drafting/CAD Modelling 2
ENGM 193	Applied Mechanics - Dynamics
ENGM 280	Mechanical Design 1
HYDR 283	Fluid Power
MANU 200	Fabrication
SEM 208	Industry Engagement
THER 201	Vapour Systems and Heat Transfer

Year 2 - Semester 5

ENGM 200	Finite Element Modelling
ENGM 201	Mechanical Design 2
ENGM 202	Engineering Design and Development 1
HVAC 200	HVAC Fundamentals
INST 206	Sensors and Networks
PROJ 216	Project Management and Contracts
THER 202	Energy System Alternatives and Management

Year 2 - Semester 6

CAD 102	Building Mechanical Modelling
CNTR 203	Process Controls
ENGM 203	Engineering Design and Development 2
HVAC 201	Building Performance Modelling
PROJ 288	Capstone Project

Mining Engineering Technology
Diploma

Location

- Saskatoon

Start date

- August

Duration

- 70 weeks

Admission requirements

- Grade 12 with a minimum of 60% in Pre-Calculus 30*
- Physics 30 is recommended but not required
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

- Minimum combined average of 60% in Math A30, B30 and C30

Program overview

Mining is one of the fastest growing sectors in Saskatchewan. In the next 10 years, estimates predict over 15,000 new workers will be needed in the industry—including mining engineering technologists.

Mining engineering technologists work in hard and soft rock mining operations here in Saskatchewan, across Canada and around the world. It's a well-paying career that can involve surveying, ventilation, ground control, mine planning or supervision. You need to be a team player, good at problem solving, comfortable working with new technology and committed to workplace safety.

Mining Engineering Technology is a two-year diploma program offered at Saskatchewan Polytechnic Saskatoon campus. In the

classroom and in the lab, you'll learn to apply scientific principles to basic mining engineering situations.

You'll develop knowledge and skills in:

- basic geology, geophysics, electricity and instrumentation
- computer applications in mining
- fluid mechanics
- ground control
- mine hydrology and environmental concerns
- mine ventilation
- ore processing and transportation
- project management
- safety
- soil, concrete and shotcrete testing
- surveying and drafting

Hands-on learning involves everything from computer simulations to geology and surveying labs, to mechanical and materials testing labs. Second year projects will help you build skills in mine design, blasting and ventilation. You'll also carry out an applied research project. This emphasis on learning by doing ensures you're ready to work from day one after graduation.

Diploma to Degree

Use your diploma to ladder into a mining engineering technology degree at Cape Breton University, Queen's University, Memorial University or the University of Saskatchewan.

Bachelor of Applied Management

Ladder your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Career Opportunities

Mining engineering technologists are prepared to work in both surface and underground mining operations. Saskatchewan mining companies are eager to recruit graduates. You could also work for a testing lab, an engineering consulting firm or a mine equipment company. As you build experience, you could advance into design work, supervision, and project management.

Do you need help deciding if these careers could be a good fit for you? Contact Career Counselling Services.

Do you already know this is the program you want to take but need more detailed information or help applying? Connect with a Recruitment Advisor.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

CADD 120	Computer Aided Drafting 1
COMP 114	Microsoft Office for Engineering
MAT 110	Mathematics for Engineering Technologies
MINE 106	Mine Safety
SEM 101	Technology Seminars
SRVY 120	Surveying 1
TCOM 102	Workplace Communication
TERR 103	Terrain Evaluation

Semester 2

ENGM 100	Applied Mechanics
GEOL 101	Mineralogy and Ore Deposits
MAT 111	Calculus for Engineering Technologies
MINE 109	Soils and Concrete
MINE 111	Mining Methods 1
SRVY 123	Surveying 2
TCOM 103	Technical Communication

Semester 3

CAMP 105	Survey Camp
CLTR 100	Diversity
STAT 200	Statistics for Technology

Semester 4

FMEC 200	Fluid Mechanics
FMEC 201	Fluid Mechanics Lab
GRND 200	Introduction to Rock Mechanics and Ground Control
GRND 202	Introduction to Rock Mechanics and Ground Control Lab
MINE 201	Mining Methods 2
MINE 202	Mine Hydrology
MINE 203	Mine Blasting
MVNT 200	Mine Ventilation
PROJ 287	Project Management

Semester 5

ELEC 217	Basic Electricity
GEOL 200	Geophysical Data Collection and Analysis
GRND 201	Ground Control Design
MINE 204	Mine Design and Planning
MINE 205	Mining Software
MVNT 201	Mine Ventilation Planning and Design
PROJ 206	Capstone Project
SRVY 206	Underground Surveying
TCOM 104	Applied Research in Technology

Power Engineering Technician
Certificate

Location
- Delivery is subject to needs assessment

Start date

Duration
- 36 weeks

Admission requirements
- Grade 12 with Foundations of Math 30 or Pre-Calculus 30*
- Minimum overall average of 65%
- English Language Requirement

Note
- Chemistry and Physics are not admission requirements; however, they would be extremely helpful to your success in the program and may be required by some employers as a condition of employment.
- Accepted applicants are required to provide evidence of a current 2015 WHMIS Globally Harmonized System (GHS) certification within the first month of the program start date. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

***Previous Saskatchewan mathematics requirement also accepted:**

- Math B30

Program overview

For more information about college deliveries and college start dates, contact Great Plains College (1-866-296-2472), or Parkland College (1-866-783-6766).

Power engineering technicians help keep power plants running safely and efficiently. A shortage of certified technicians means job opportunities have never been better. You could work in the oil patch, mining, manufacturing, energy, health and other industries. It's a physical job that requires manual dexterity and good vision, as well as problem-solving skills and a knack for working with machinery.

Saskatchewan Polytechnic is Saskatchewan's primary provider of power engineering certification. We offer two levels of training: the one-year Power Engineering Technician certificate program and the two-year Power Engineering Technology diploma program.

The one-year Power Engineering Technician certificate program is offered at Great Plains College (Swift Current), and Parkland College (Yorkton). You'll study Fourth Class interprovincial standardized material, which will prepare you to challenge interprovincial Fourth Class examinations.

You'll receive practical training in boiler operations, maintenance techniques and tool use. You'll develop troubleshooting skills in practical labs, get boiler firing time in the power lab and industry work experience in your second term.

The balance of hands-on labs, work experience and exam preparation make Saskatchewan Polytechnic graduates productive on the job from day one—something employers look for when hiring and promoting.

Certification Opportunities

Power engineering is divided into levels of skill and training called classes (First Class is the highest level). You progress from one class to another through a combination of work experience, course completions and rigorous interprovincial exams.

As a Power Engineering Technician graduate, you will earn one year of Fourth-Class qualifying time credit from the Technical Safety Authority of Saskatchewan (TSASK), and be prepared to challenge:

- TSASK Fourth Class exams, and
- TSASK Refrigeration Engineers exam

TSASK certificates are recognized across the country.

Personal study is recommended before you write any industry certification exam.

The Technical Standards and Safety Authority (TSSA) of Ontario website includes a video that provides information about the power engineering industry and training that may be helpful in determining whether this career is right for you. (The program and students shown are not from Saskatchewan Polytechnic).

Provincial certification (TSASK) is required to work in the industry. TSASK test writing fees are not included in tuition.

TSASK examination fees are:

- Fourth Class - Two exams at $108 per exam
- Refrigeration Engineers - One exam at $108

Graduates are also eligible to enrol in Year 2 of the Power Engineering Technology program, based on seat availability.

Career Opportunities

Graduates are prepared to work as power engineers or process operators in a variety of industrial and heating plants. These include utility (power) plants, refineries, hospitals, pulp and paper mills,

breweries, mines, gas processing plants, heavy oil upgraders, fertilizer plants or chemical plants.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

COMP 172	Introduction to Microsoft Word and Excel
ELEC 188	Basic Electricity 1
ENGP 179	Applied Mechanics (Fourth Class)
ENGP 180	Power Lab 1
ENGP 181	Plant Maintenance 1
ENGP 190	Boiler and Boiler Systems
INST 182	Instrumentation
MATH 299	Intermediate Algebra and Basic Trigonometry
SFTY 172	Safety, Legislation and Codes
TCOM 105	Communications for Technicians
THER 185	Thermodynamics (4th Class)

Semester 2

ENGP 178	Heating Systems
ENGP 183	Prime Movers
ENGP 186	Pumps, Compressors, and Lubrication
ENGP 187	Power Lab 2
ENGP 188	Plant Operation and Maintenance
ENGP 191	Boiler Controls and Safety Devices
PROP 198	Plant and Process Operations
RFRG 183	Air Conditioning
RFRG 195	Refrigeration (4th Class)
WTER 182	Water Treatment (4th Class)

Semester 3

CLTR 200	Culture and Diversity
WORK 185	Work Experience 1

Power Engineering Technology
Diploma

Location

- Saskatoon

Start date

September

Duration

- 72 weeks
    - (includes two work experiences)

Admission requirements

- Grade 12 with Foundations of Math 30 or Pre-Calculus 30*
- Minimum overall average of 65%
- English Language Requirement

Note

- Prior to starting lab courses in Year 2 of this program, students must present their 4th Class Technical Safety Authority of Saskatchewan (TSASK) certificate and license.
- Chemistry and Physics are not admission requirements; however, they would be extremely helpful to your success in the program and may be required by some employers as a condition of employment.
- Accepted applicants are required to provide evidence of a current 2015 WHMIS Globally Harmonized System (GHS) certification within the first month of the program start date. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

***Previous Saskatchewan mathematics requirement also accepted:**

- Math B30

Program overview

The world runs on power. Power engineering technologists are in charge of operating and maintaining the complex systems used to operate industrial boilers, pumps, air conditioning and refrigeration systems. Demand for skilled power engineers is growing, opening the door to good jobs in the oil patch, mining, manufacturing, power generation utilities and more.

Power Engineering Technology is a two-year diploma program offered full time at Saskatchewan Polytechnic Saskatoon campus. You'll gain knowledge and skills in the operation of power (steam) plants and industrial processes, including:

- air conditioning and refrigeration
- boiler operations (high and low pressure)
- communications
- computer monitoring of plant operations
- controls and instrumentation
- environmental (pollution) management
- equipment checks and maintenance
- plant safety
- pump operations
- water treatment systems

The program combines classroom learning with hands-on labs, power labs, computer simulations and industry work experiences.

Graduates are productive on the job from day one—something employers look for when hiring and promoting.

Certification Opportunities

Power engineering is divided into levels of skill and training called classes (First Class is the highest level). You progress from one class to another through a combination of work experience, course completions and rigorous interprovincial exams.

After completing Year 1, you will earn one year of Fourth Class qualifying time credit from the Technical Safety Authority of Saskatchewan (TSASK), and be prepared to challenge:

- TSASK Fourth Class exams, and
- TSASK Refrigeration Engineers exams

After completing semester 3 and 4, you are prepared to challenge TSASK Third Class exams.

Upon successful completion of the diploma program, 9 months of credit will be granted towards work experience for your TSASK 3rd Class. Students who have successfully challenged all TSASK 3rd class exams and are enrolled in semester 5 will be eligible to challenge the TSASK 2nd Class Part A exams.

TSASK certificates are recognized across the country.

Personal study is recommended before you write any industry certification exam.

The Technical Standards and Safety Authority (TSSA) of Ontario website includes a video that provides information about the power engineering industry and training that may be helpful in determining whether this career is right for you. (The program and students shown are not from Saskatchewan Polytechnic).

Provincial certification (TSASK) is required to work in the industry. TSASK test writing fees are not included in tuition.

The TSASK examination fees are:

Fourth Class - (Year 1) - Two exams at $108 per exam Third Class - (Year 2) - Four exams at $108 per exam Second Class - (Year 2) - Three exams at $216 per exam (3 additional second class exams [Part B] are required after course completion) Refrigeration Engineers (Year 1) - One exam at $108

Diploma to Degree

Use your diploma to ladder into a mining engineering technology degree at Queen's University in Ontario.

Bachelor of Applied Management

Ladder your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Refer to Frequently Asked Questions for additional information.

Career Opportunities

Power engineering technologists work with large, complex power systems. You could work as a power engineer or process operator in utility (power) plants, refineries, pulp and paper mills, breweries, mines, gas processing plants, heavy oil upgraders, fertilizer plants or chemical plants. You could be responsible for heating, air-conditioning, ventilation and refrigeration systems in commercial, institutional or residential complexes. You can also put your knowledge to work in industrial and mechanical design and sales.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

COMP 172	Introduction to Microsoft Word and Excel
ELEC 188	Basic Electricity 1
ENGP 179	Applied Mechanics (Fourth Class)
ENGP 180	Power Lab 1
ENGP 181	Plant Maintenance 1
ENGP 190	Boiler and Boiler Systems
INST 182	Instrumentation
MATH 299	Intermediate Algebra and Basic Trigonometry
SFTY 172	Safety, Legislation and Codes
TCOM 105	Communications for Technicians
THER 185	Thermodynamics (4th Class)

Year 1 - Semester 2

ENGP 178	Heating Systems
ENGP 183	Prime Movers
ENGP 186	Pumps, Compressors, and Lubrication
ENGP 187	Power Lab 2
ENGP 188	Plant Operation and Maintenance
ENGP 191	Boiler Controls and Safety Devices
PROP 198	Plant and Process Operations
RFRG 183	Air Conditioning
RFRG 195	Refrigeration (4th Class)
WTER 182	Water Treatment (4th Class)

Year 1 - Semester 3

CLTR 200	Culture and Diversity

ENGP 284	Applied Mechanics (3rd Class)
ENGP 296	Chemistry, Metallurgy and Drawings
MATH 390	Technical Mathematics for Engineering Calculations
THER 281	Thermodynamics (3rd Class)
WORK 185	Work Experience 1

Year 2 - Semester 4

ELEC 291	Basic Electricity 2
ENGP 280	Refrigeration (3rd Class)
ENGP 285	Power Lab 3
ENGP 286	Codes and Calculations 1
ENGP 290	Pumps and Compressors
ENGP 292	Prime Movers and Plant Auxiliaries
ENGP 297	Combustion, Piping and Plant Management
INST 280	Controls and Instrumentation
PROP 280	Process Simulations 2
STEA 286	Steam Generation (3rd Class)
WORK 186	Work Experience 2
WTER 280	Water Treatment (3rd Class)

Year 2 - Semester 5

ADMN 288	Industrial Administration and Plant Management
ENGP 189	Codes and Calculations 2
ENGP 288	Applied Mechanics (2nd Class)
ENGP 289	Power Lab 4
ENGP 295	Metallurgy and Testing of Materials
PROP 290	Process Simulations 3
STEA 287	Steam Generation (Second Class)
THER 282	Thermodynamics (2nd Class)
WTER 282	Water Treatment (2nd Class)

Production Line Welding

Applied Certificate

Location

- Delivery is subject to needs assessment.

Start date

- Varies

For general inquiries, email at ConEd@saskpolytech.ca or call 306-659-4418.

For corporate training, contact training@saskpolytech.ca

Duration

- 9 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

Production Line Welding is an applied certificate program. It provides the skills needed to perform competently in a high volume, high deposition welding production environment.

This program is delivered off campus through outreach and training for industry.

Upon successfully completing WELD 115 (Gas Metal Arc Welding), you will be eligible to receive credit for WELD 105 (Gas Metal Arc Welding) in the Welding certificate program (offered at Saskatchewan Polytechnic Saskatoon campus, Saskatchewan Polytechnic Moose Jaw campus, Saskatchewan Polytechnic Regina campus and Saskatchewan Polytechnic Prince Albert campus).

Career Opportunities

Graduates may find employment in a shop, on an assembly line or at a construction site in the areas of manufacturing, transportation, distribution and logistics, or food and natural resources.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

INDG 100	Introduction to Indigenous Studies
METL 114	Heat Treatment of Metals
PRNT 114	Drawing Interpretation
SFTY 114	Trade Safety
WELD 114	Cutting Processes
WELD 115	Gas Metal Arc Welding

Radiation and Environmental Monitoring Technician

Applied Certificate

Location

- Prince Albert

Start date

Delivery is subject to enrolment

Duration

- 28 weeks

Admission requirements

- Grade 12 with a minimum grade of 60% in each of English Language Arts A30 and B30, Foundations of Math 30, Physical Science 20*
- English Language Requirement

***Previous Saskatchewan mathematics and science requirements also accepted:**

- Math 20
- Chemistry 20

Program overview

Radiation and environmental monitoring technicians are on the front lines of personal and environmental protection, particularly in uranium mining. You apply knowledge of radiation and environmental protection to ensure compliance with Canada's stringent regulations and world-leading practices for the protection of health and safety of people and the environment.

At Saskatchewan Polytechnic, you'll learn how to use equipment to monitor the radiation exposure levels of workers and work areas, as well as how to conduct monitoring of the environment, including air, water, and soil. The program prepares you for either of two distinct roles: radiation monitoring technician (radiation protection) and environmental monitoring technician.

Career Opportunities

Radiation monitoring technicians monitor, review and evaluate both personal and work site radiation health and safety hazards and ensure compliance with regulations to prevent and control radiation exposure. They monitor workers' radiation exposure and inspect work areas, equipment and practices to ensure compliance with corporate and government health and safety standards and regulations. Environmental monitoring technicians observe the environment and monitor the impacts of industrial and mining activities, to ensure compliance with regulations established by government and monitoring agencies. Both roles are employed in the public and private sector.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

CHEM 104	Radiation and Laboratory Safety
CHEM 189	Radiation Laboratory
CHEM 192	Uranium Processes
COMP 171	Introduction to Microsoft Word
COMP 174	Introduction to Microsoft Excel 1
ENVR 101	Environmental Science and Technology 1
ENVR 181	Land Surveying and Soil Sampling
INDG 100	Introduction to Indigenous Studies
MATH 178	Mathematics 1
MEAS 109	Environmental Measurements
QC 191	Quality Assurance and Control
SAFE 116	Safety and Wellbeing at Remote Work Sites
STAT 200	Statistics for Technology
TCOM 102	Workplace Communication
WORK 196	Work Experience

Welding

Certificate

Location

- Moose Jaw
- Prince Albert
- Regina
- Saskatoon

Start date

- September

Duration

- 34 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

Information session: Join us on April 27, 2023, to learn more about the industry, programs and career. Learn more and register to attend on the Careers in Welding page.

If you're interested in a hands-on trade, check out Saskatchewan Polytechnic's Welding program. We'll get you started on a career that offers a lot of options, great mobility and excellent pay.

Welders are in high demand—in oil and gas, mining, manufacturing and construction. You need to be good with your hands and enjoy working with tools. You also need to be a problem-solver and a team player who's able to follow instructions.

Welding is a one-year certificate program offered at all four Saskatchewan Polytechnic campuses in Moose Jaw, Prince Albert, Regina and Saskatoon. Build knowledge and skills in operating welding equipment and performing basic welding operations. You'll get hands-on instruction in:

- cutting processes
- gas metal arc, gas tungsten arc, shielded metal arc welding
- general shop practice and shop safety
- operating fabrication equipment
- oxy/acetylene fusion welding
- quality assurance
- using blueprints

Our Shop is Your Classroom

You'll spend 75% of your time in Saskatchewan Polytechnic's well-equipped shops learning from highly qualified instructors. You'll learn to work on your own and as part of a team. You'll also develop the quality assurance and shop safety practices employers look for when recruiting apprentices.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

When you graduate, you'll have the skills you need to do basic welding fabrication and repair. Skilled welders are in demand in many industries, including oil and gas, construction, mining, manufacturing, fabrication and transportation. Look for jobs in repair shops, with fabrication companies, at mine and mill sites, in manufacturing and processing plants, in oil refineries and more.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

COMM 127	Fundamental Communication Skills
COMP 172	Introduction to Microsoft Word and Excel
EQPT 103	Fabrication Equipment
INDG 100	Introduction to Indigenous Studies
MATH 169	Trade Mathematics
METL 100	Metallurgy and Heat Treatment of Metals
PRNT 106	Hand Drafting
PRNT 107	Drawing Interpretation and Welding Symbols
PRNT 108	Introduction to Computer Aided Design
PROJ 102	Shop Projects
QC 100	Quality Assurance
SFTY 103	Welding Safety
WLDR 144	Oxy-Fuel Processes Theory
WLDR 145	Oxy-Fuel Processes Shop
WLDR 149	Canadian Welding Bureau W47.1 Welder Qualification
WLDR 166	Oxy Fuel and Thermal Cutting Theory
WLDR 167	Oxy Fuel and Thermal Cutting Shop
WLDR 168	Wire Feed Processes Theory
WLDR 169	Wire Feed Processes Shop 1
WLDR 170	Wire Feed Processes Shop 2
WLDR 171	Shielded Metal Arc Welding Theory
WLDR 172	Shielded Metal Arc Welding Shop 1
WLDR 173	Shielded Metal Arc Welding Shop 2
WLDR 174	Shielded Metal Arc Welding Shop 3
WLDR 175	Shielded Metal Arc Welding Shop 4
WLDR 176	Shielded Metal Arc Welding Shop 5
WLDR 177	Shielded Metal Arc Welding Shop 6
WLDR 178	Gas Tungsten Arc Welding

Optional Course: PRAC 184 Work Experience

Welding Applied Certificate

Applied Certificate

Location

- Regina

Start date

Delivery is subject to needs assessment

Duration

- 20 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

If you're interested in a hands-on trade, check out Saskatchewan Polytechnic's Welding Applied Certificate program. We'll get you started on a career that offers a lot of options, great mobility and excellent pay.

Welders are in high demand—in oil and gas, mining, manufacturing and construction. You need to be good with your hands and enjoy working with tools. You also need to be a problem-solver and a team player who's able to follow instructions.

Welding Applied Certificate is a 20-week program offered at Sask Polytech's Regina campus. Build your knowledge and skills in operating welding equipment and performing basic welding operations. You'll get hands-on instruction in:

- general shop practice and shop safety
- oxy/acetylene fusion welding
- cutting processes
- gas metal arc welding
- shielded metal arc welding

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

Graduates may find employment in refineries, construction, pulp and paper mills, manufacturing or processing plants, mines or repair shops.

Trade time and academic credit may be available for graduates who find employment in the trade and register as apprentices. Please contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC) for further information.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

COMM 127	Fundamental Communication Skills
COMP 172	Introduction to Microsoft Word and Excel
INDG 100	Introduction to Indigenous Studies
MATH 169	Trade Mathematics
METL 100	Metallurgy and Heat Treatment of Metals
PRNT 114	Drawing Interpretation
SFTY 103	Welding Safety
WLDR 142	Shielded Metal Arc Welding Theory
WLDR 143	Shielded Metal Arc Welding Shop 1
WLDR 144	Oxy-Fuel Processes Theory
WLDR 145	Oxy-Fuel Processes Shop
WLDR 146	Oxy-Fuel and Thermal Cutting
WLDR 147	Wire Feed Welding Process Theory
WLDR 163	Shielded Metal Arc Welding Shop 2
WLDR 164	Wire Feed Welding Processes Shop 1
WLDR 165	Wire Feed Welding Processes Shop 2
WORK 113	Work Experience

School of Natural Resources and Built Environment

Agriculture and Food Production
Diploma

Location

- Moose Jaw

Start date

September

Duration

- 80 weeks

Admission requirements

- Grade 12 with any 30-level math
- English Language Requirement

Program overview

With the world's population at 7.9 billion people and growing, food security is becoming a critical issue. As one of the world's most reliable producers of high-quality grains, oilseeds and pulse crops, Saskatchewan plays an important role in feeding the world. We have a long history of agricultural innovation, from pioneering zero tillage to implementing GPS-guided machinery and now AI-driven crop management.

Agriculture is about more than growing food—it's about growing food sustainably, managing land and resources, understanding commodity trends and staying up to date on technology. Whether you enjoy being on the land, working with animals, figuring out logistics or working in finance, the new Agriculture and Food Production program can help launch your career.

The three-year Agriculture and Food Production diploma program is offered at the Moose Jaw campus and includes three paid co-operative education work terms. You'll get the foundational, technical, environmental and managerial knowledge you need to succeed in the evolving agriculture industry. In classes and hands-on labs, you'll develop practical skills in:

- Agricultural technology, including innovations in precision agriculture, global positioning, IoT devices, grain handling/storage/conveyance, food security and AI
- Agriculture machinery, including general familiarity with the operation of tillage, seeding, spraying, harvest, haying and other standard ag equipment
- Farm management, including business applications, financial record keeping, agricultural economics, commodity marketing, Indigenous resource rights, leadership and globalization
- Production and land management, including crop production, beef cattle production, weed and insect control, soil and crop nutrition, yield management and rangeland management
- Sustainability, including water management, meteorology, apiculture and environmental sustainability

The Co-op Work Term Advantage

The Agriculture and Food Production diploma gives you, hands-on learning in three co-operative education work terms. Co-op work terms are paid, so you'll earn while you learn. Saskatchewan Polytechnic arranges your interviews; it's up to you to shine. It's also a chance to develop important "soft skills" in job interviewing, professional attitude, interpersonal communication and more.

Many of our co-op employers require both a valid Saskatchewan Driver's License and a clean Driver's Abstract. For international students, it can take up to 12 months to obtain a Driver's license; therefore, it is to your advantage to come with a Driver's License from your home country if possible.

Some co-op work placements require a Criminal Record Check and/or drug and alcohol testing.

Learning Environment

- 30 students are accepted each year.
- You will participate in lectures, labs and project work at Moose Jaw campus.
- Classes and labs take 24–25 hours per week.
- Expect to spend the same amount of time on homework and self-directed study.
- Effectively managing your work time is important to your success.
- You will get hands-on experience with agricultural machinery and field plot space.
- Actual "seat time" on agricultural machinery will familiarize you with modern ag technology, including AI
- You will participate in three paid co-operative work terms.
- You will complete a capstone project that requires coordination and working with others.

Career Opportunities

The Agriculture and Food Production program opens many career doors. Use your skill set to run the show as a farm operator, manager or supervisor. Work your way up at a large-scale operation, join the family farm or build your own operation—farm, ranch, apiary, market garden or orchard.

Choose a career in the high-demand sector of crop and livestock production, management and logistics or in precision and smart agriculture. Explore opportunities in grain buying, marketing and transport, elevator or grain terminal operation, input sales, implement sales and marketing or agricultural research. Become an agricultural specialist in banking, finance or crop insurance.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

AGMC 100	Agricultural Machinery 1
AGRI 101	Introduction to Agribusiness
CHEM 102	General Chemistry 1
COM 170	Professional Workplace Communication
GIS 101	Geographic Information Systems 1
GPS 100	Basics of Global Positioning Systems (GPS)
HIST 100	History of Agriculture in Western Canada
MATH 114	Mathematics
SAFE 105	Safety Systems

Year 1 - Semester 2

AGMC 101	Precision Agriculture 1
AGRI 100	Agricultural Business Applications
AGRI 102	Agricultural Entomology
AGRI 103	Agronomy
AGRI 105	Principles of Crop Production
AGRI 106	Weed Management
CLTR 200	Culture and Diversity
ETHC 100	Professional Ethics
MKTG 101	Commodity Marketing 1

Co-operative Work Term 1

COOP 101	Co-operative Work Term

Year 2 - Semester 3

AGMC 205	Harvesting, Hay and Forage Machinery
AGRI 200	Principles of Sustainable Agriculture
ANLT 200	Food Security
APIC 300	Apiculture
IRRI 200	Irrigation
PEST 200	Pesticide Management
SOIL 200	Soil and Crop Nutrition
WTER 200	Water Management

Year 2 - Semester 4

AGMC 204	Agricultural Machinery 2
AGMC 206	Precision Agriculture 2
AGRI 104	Agricultural Business Planning
AGRI 201	Beef Cattle Production
AGRI 202	Rangeland Management
ECON 200	Introduction to Agricultural Economics
IOT 200	Internet of Things: Applications in Agriculture
MKTG 204	Commodity Marketing 2
RLAW 105	Indigenous Resource Rights

Co-operative Work Term 2

COOP 201	Co-operative Work Term

Co-operative Work Term 3

COOP 301	Co-operative Work Term

Year 3 - Semester 5

AGRI 300	Agricultural Intelligence
AGRI 301	Grain Handling, Storage and Conveyance
AGRI 302	Post-Harvest Food Production
ANLT 301	Globalization
BLAW 281	Business Law
CLIM 200	Meteorology
LEAD 301	Innovation and Leadership
PROJ 206	Capstone Project
TCOM 103	Technical Communication

BioScience Technology

Diploma

Location

- Saskatoon

Start date

- September

Duration

- 76 weeks

Admission requirements

- Grade 12 with a minimum of 65% in each of the following subjects: Chemistry 30, Biology 30 and Pre-Calculus 30*
- A combined average of 65% is required in English Language Arts A30 and English Language Arts B30
- English Language Requirement

Note

- Accepted applicants may be required to provide evidence of a Criminal Record Check prior to entering the practicum component of the program. At the discretion of the practicum agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check. The cost of the Criminal Record Check is your responsibility.

- To comply with safety regulations, students who wear contact lenses must have a pair of prescription glasses to wear in the labs.

***Previous Saskatchewan mathematics requirement also accepted:**

- Minimum of 65% in Math B30

Program overview

Bioscience technologists use applied science to research problems and develop solutions to some of life's many important questions, ranging from food safety to new medicines.

Saskatchewan Polytechnic's BioScience Technology program is a two-year diploma program that emphasizes a hands-on style of learning. Your classroom time includes theory, practical exercises and labs. A four-week practicum gives you on-the-ground experience working in a laboratory, so at the end of your program you're ready for the workplace.

The program is designed to give you a strong foundation in both scientific principles and analytic practices. The emphasis is on developing your lab skills to prepare you for work in the biosciences, biomedical research and applied research fields.

You'll develop the skills you need to:

- analyse DNA, RNA and protein samples
- follow good laboratory practices (GLP) guidelines
- handle and prepare laboratory chemicals
- organize and supervise laboratory activities
- record, process and report data
- use analytical instruments
- work with plants and animals in a research setting
- work with microorganisms

Did You Know?

Technology Accreditation Canada (TAC) accredits the program at the Technologist level.

TAC is a bold, world class accreditation organization, delivering accreditation services for the engineering technology and applied science profession in Canada.

After two years of suitable industrial experience, Saskatchewan Polytechnic graduates are eligible to apply for membership with the Saskatchewan Applied Science Technologists and Technicians (SASTT).

You can also use your diploma as a stepping stone to a university degree - receive up to two years' university transfer credits to continue your post-secondary education in biosciences.

How Does it Fit?

Working in the biosciences involves detail-oriented and meticulous laboratory work. It also requires an open mind, an aptitude for problem solving and the ability to think on your feet. Bioscience technologists are members of multidisciplinary teams, so communication, interpersonal and team-building skills are an asset.

The BioScience Technology program works with industry partners to grow the bioscience industry in Saskatchewan. Saskatoon is host to over 30 biotechnology related companies and has great community, provincial and federal support. Sask Polytech students are hired by many of these local companies.

Ladder into a Degree

Turn your BioScience Technology diploma into a university degree in just two years. Saskatchewan Polytechnic has a transfer agreement with the University of Saskatchewan. You can also transfer into programs at Athabasca University (Alberta), Memorial University (Newfoundland) and Royal Roads University (B.C.).

Diploma graduates are also eligible to take the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Learning Environment

- 24 students are accepted each year. Find out more about books and supplies.
- Students will experience laboratory work, lectures and a practicum work term.
- Class hours are 25 to 27 hours per week. Students can expect to complete 30-40 hours of homework each week outside of class time.
- There is a capstone group project that requires coordination.
- Students are involved in their practicum selection and location

Career Opportunities

The biosciences are an exciting and rapidly expanding field with plenty of job opportunities. Saskatchewan Polytechnic's BioScience Technology program trains highly qualified lab technologists to work in the agricultural biosciences, biomedicine, bioproduct and environment sectors of the Saskatchewan biosciences industry.

Saskatchewan Polytechnic BioScience Technology grads are working for agriculture bioscience companies, private research and development laboratories, university research labs, provincial and federal laboratories, food manufacturing companies (quality analysis of dairy, meat and brewery products, etc.) and bioscience equipment and supply companies.

Agriculture Biosciences

Graduates employed in this sector are involved in research and development of agricultural crops such as wheat, canola and specialty crops. The work focuses on plant breeding, molecular biology and plant tissue culture. Other aspects may include testing of plant and animal samples using instrumentation, working with animals in the area of animal disease, testing for microbial or contaminants in animals or animal products, feed analysis and cell culture.

Biomedicine

Graduates employed in this sector are involved in research into diseases such as Alzheimer's and types of cancer. Work includes microbiology, molecular biology, cell culture, and may include instrumentation. Other aspects of research may involve working with animals or animal products.

Bioproducts

Graduates employed in this sector are involved in processing and production of bioproducts such as specialty oils, proteins and foods. The work includes aspects of quality control and quality assurance. It involves testing food and other products for quality and may include standard tests for microbial contamination and other impurities. This may require basic microbial techniques or the use of analytical instruments.

Environment

Graduates employed in this sector conduct analysis of environmental samples and environmental remediation. The work includes aspects of microbiology, chemistry, molecular biology and analytical instrumentation. It involves testing environmental samples from the mining, chemical and oil and gas industries, as well as development of new techniques or solutions for environmental remediation.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

ANAT 183	Vertebrate Anatomy and Physiology
ANAT 184	Vertebrate Anatomy and Physiology Lab
BOTA 183	Botany
BOTA 184	Botany Lab
CHEM 171	General Chemistry
CHEM 172	General Chemistry Lab
CLTR 119	Indigenous Cultural Awareness
MATH 178	Mathematics 1
SAFE 180	Laboratory Safety

Year 1 - Semester 2

CHEM 173	Analytical Chemistry
CHEM 174	Analytical Chemistry Lab
CHEM 287	Organic Chemistry
PYSL 180	Plant Physiology
PYSL 181	Plant Physiology Lab
QC 179	Quality Assurance and Control
STAT 181	Introductory Statistics and Computer Applications 1
TCOM 105	Communications for Technicians

Year 1 - Semester 3

ANIM 182	Care and Management of Laboratory Animals
BIOC 281	Biochemistry
GENE 181	Genetics
STAT 286	Statistics and Computer Applications 2

Year 2 - Semester 4

GENE 285	Molecular Biology 1
GENE 286	Molecular Biology 1 Lab
HSTC 183	Histotechniques
LABT 182	Laboratory Preparation Techniques 1
LABT 200	Introductory Analytical Instrumentation
LABT 290	Plant Tissue Culture Lab
LABT 291	Animal Cell Culture Lab
MICR 282	General Microbiology 1
MICR 283	General Microbiology 1 Lab

Year 2 - Semester 5

COMM 289	Communications 2
GENE 287	Molecular Biology 2
GENE 288	Molecular Biology 2 Lab
IMMU 179	Immunology
LABT 201	Advanced Analytical Instrumentation
LABT 283	Laboratory Preparation Techniques 2
MICR 284	Applied Microbiology
MICR 285	Applied Microbiology Lab

Year 2 - Semester 6

PRAC 285	Laboratory Practicum

Basic theoretical courses complement more advanced technique-oriented courses where emphasis will be placed on your competency in laboratory skills. Your practicum consists of working in a private laboratory for four weeks in May. You will not be paid and you must find your own accommodation if you are placed outside of Saskatoon.

Civil Engineering Technologies (Civil Construction option or Water Resources option)

Diploma

Location

- Moose Jaw

Start date

- August

Duration

- 76 weeks (Construction option or Water Resources option)
  - There are two four-month mandatory paid Co-operative Education work terms. Semesters and co-op work term time patterns are listed in Courses below.

Admission requirements

- Grade 12 with Pre-Calculus 30
- Previous: Grade 12 with Math A30, B30 and C30
- English Language Requirement

Program overview

Civil Engineering Technologies is a 27-month diploma program offered full time at Saskatchewan Polytechnic Moose Jaw Campus. It includes five academic semesters and two four-month consecutive Co-operative Education work terms. The program offers two options: Construction and Water Resources. The first two semesters are common to both disciplines. You will build skills in:

- Surveying
- Computer applications and modelling
- Communications
- Materials analysis and testing procedures and protocols
- Hydraulics
- Project Management
- Municipal infrastructure

Students select their option after successfully completing the second semester. Thirty-six students will be accepted into the Construction option and twenty students will be accepted into the Water Resources option. If the number of students desiring either option is more than the available seats, a competitive entry process will be utilized based on student performance in the first two semesters.

In semesters three, four and five, you will focus on your chosen option. In Construction, you will develop well-rounded knowledge and skills in:

- Geotechnical Engineering (soils investigations and earthworks projects, etc.)
- Pavement design
- Structures (steel, timber, reinforced concrete)
- Transportation

In Water Resources, your studies will focus on:

- Meteorological and hydrometric data collection and analysis
- Water chemistry
- River engineering
- Hydrology
- Watershed Management
- Water supply and flood and drought management
- Water quality management

The emphasis on hands-on learning means you'll spend a lot of your time in labs and on field assignments. You will participate in field and survey camps, practical assignments, and carry out applied research and other projects.

The Co-op Work Term Advantage

Co-operative work terms are paid, so you'll earn while you learn. Saskatchewan Polytechnic arranges your interviews; it's up to you to shine. It's also a chance to develop important "soft skills" in job interviewing, professional attitude, interpersonal communication and more.

Many of our co-op employers require both a valid Saskatchewan Driver's Licence and a clean Driver's Abstract. For international students, it can take up to 12 months to obtain a Driver's licence; therefore, it is to your advantage to come with a Driver's Licence from your home country if possible.

Some opportunities require a Criminal Record Check and/or drug and alcohol testing.

Get a Global Learning Experience

As a student in this program, you can sharpen your intercultural skills. You may have an opportunity to study and learn abroad. Learn more about global learning experiences at Sask Polytech.

Nationally Recognized Credential

Technology Accreditation Canada (TAC) accredits the program at the Technologist level.

TAC is a bold, world class accreditation organization, delivering accreditation services for the engineering technology and applied science profession in Canada.

Diploma to Degree - Civil Engineering Technologies: Construction

Use your diploma to ladder into the Bachelor of Construction Management or Bachelor of Applied Management degree right here at Saskatchewan Polytechnic. Graduates can also ladder into an external engineering degree bridging program at Camosun College in British Columbia, an engineering degree at Lakehead University in Ontario, a degree in Construction Management in Calgary or a technology degree at Memorial University in Newfoundland or Queen's University in Ontario.

Civil Engineering Technologies: Water Resources

Use your diploma to ladder into the Bachelor of Construction Management or Bachelor of Applied Management degree right here at Saskatchewan Polytechnic or into external engineering degree at the University of Regina, an applied science degree at Lakeland College in Alberta, an environmental science or environmental management degree at Royal Roads University in British Columbia, or a technology degree at Memorial University in Newfoundland or Queen's University in Ontario.

Learning Environment

- Thirty-six Construction and 20 Water Resources students are accepted each year.
- Students will experience laboratory and project work, lectures and co-operative work terms.
- Class hours are 8:30 a.m. to 4:30 p.m. daily. Students are expected to complete 30 to 40 hours of homework each week outside of class time.
- There are many group projects that require coordination.
- It is very important that students take initiative and manage their work time effectively.

Career Opportunities

Civil Engineering Technologies: Construction

Saskatchewan Polytechnic graduates are working as civil engineering design technologists, traffic technologists, building inspectors, materials testing technologists, estimators and project coordinators. Potential employers include rural and municipal governments, provincial highway departments, consulting engineering firms, construction companies, research organizations, mining companies, telecommunication and transportation companies, power utilities and more.

Civil Engineering Technologies: Water Resources

Engineering Technologists with a specialty in Water Resources are in high demand. Potential employers include provincial and federal governments, research laboratories, inspection agencies, environmental agencies, engineering firms, consulting companies, industrial plants, and hydroelectric utilities. Upon graduation, you will be qualified to work as an engineering technologist, project manager, environmental protection officer (EPO), compliance officer, lab supervisor, lab technologist, hydraulics/hydrology technologist or a water analyst.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

CADD 120	Computer Aided Drafting 1
CONC 120	Concrete Technology 1
MAT 110	Mathematics for Engineering Technologies
MEAS 110	Analytical Measurements
SEM 101	Technology Seminars
SRVY 107	Surveying 1
TCOM 102	Workplace Communication
TERR 101	Engineering Geology
TERR 102	Engineering Geology Laboratory

Year 1 - Semester 2

CADD 125	Civil Design
CLTR 200	Culture and Diversity
MAT 111	Calculus for Engineering Technologies
PHYS 104	Physics for Engineering Technologies
SOIL 120	Soil Analysis
SRVY 108	Surveying 2
SRVY 109	Survey Camp
TCOM 103	Technical Communication

Co-operative Work Term 1

COOP 101	Co-operative Work Term

Co-operative Work Term 2

COOP 201	Co-operative Work Term

Semester 3 Civil Construction

CONC 220	Concrete Technology 2
HYDR 220	Hydraulics 1
PAVE 220	Asphalt Construction
SOIL 220	Soils
STAT 201	Statistics for Engineering Technology
STRU 235	Applied Mechanics
STRU 236	Mechanics of Materials
STRU 237	Structures

Semester 3 Water Resources

CHEM 200	Engineering Chemistry
HYDO 225	Groundwater Technology
HYDR 220	Hydraulics 1
INST 227	Instrumentation and Measurement 1
LABS 220	Water/Wastewater Lab Analysis
STAT 201	Statistics for Engineering Technology
WTER 232	Water and Wastewater

Semester 4 Civil Construction

HYDR 221	Hydraulics 2
MGMT 103	Construction Contracts
PAVE 223	Highway Materials
STRU 225	Structural Steel Design
STRU 231	Mechanics of Materials
TRAN 222	Transportation Engineering
WTER 233	Water and Wastewater

Semester 4 Water Resources

CAMP 226	Field Camp
HYDO 228	Hydrology 1
HYDR 221	Hydraulics 2
INST 231	Instrumentation and Measurement 2
MGMT 103	Construction Contracts
WTER 226	Organic Chemistry
WTER 231	Watershed Management

Semester 5 Civil Construction

MGMT 226	Project Management
MUNI 220	Municipal Infrastructure
PAVE 222	Pavement Structures
PROJ 206	Capstone Project
SOIL 222	Geotechnical Design
STRU 241	Wood and Concrete Design
TCOM 104	Applied Research in Technology
TRAN 223	Transportation Engineering

Semester 5 Water Resources

ENVR 232	Environmental Engineering
HYDO 229	Hydrology 2
MGMT 226	Project Management
MUNI 220	Municipal Infrastructure
PROJ 206	Capstone Project
RVRS 220	River and Reservoir Engineering
TCOM 104	Applied Research in Technology

Environmental Engineering Technology
Diploma

Location
- Moose Jaw

Start date
- September
    - For more information, contact the program head at Kaya.Forest@saskpolytech.ca

Duration
- 80 weeks:
    - There are five academic semesters and three mandatory paid Co-operative Education work terms. Semesters and co-op work term time patterns are listed in Courses below.

Admission requirements
- Grade 12 with Pre-Calculus 30*
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**
- Math A30, B30 and C30

Note: Physics 30 or Chemistry 30 is recommended. Physics and Chemistry are not admission requirements; however, they would be extremely helpful to student success in the program.

Program overview

Environmental engineering technologists are on the front lines of environmental protection. You apply science, ecology and engineering to minimize the adverse impacts of human activity on the natural world. You will develop the skills to apply engineering and technology solutions to real world environmental issues.

At Saskatchewan Polytechnic, you'll learn the applied science behind environmental protection. When you graduate, you'll have the skills to work in pollution monitoring, environmental audits, environmental management, site assessment and remediation, project management and waste management.

The Environmental Engineering Technology program is a 32-month diploma offered full time at Saskatchewan Polytechnic Moose Jaw campus. You will take five academic semesters and participate in three Co-operative Education work terms (two consecutive terms after first year, and one term in the summer of second year).

The well-rounded curriculum includes:
- environmental impact evaluation and mitigation
- environmental monitoring and control, and data collection and analysis
- environmental site assessment and remediation
- ecology, aquatic chemistry, hydrology and hydrogeology
- atmospheric quality and monitoring
- soil analysis and classification
- solid and liquid waste management
- surveying and drafting
- computer applications and modeling
- technical report writing

School of Natural Resources and Built Environment

Your learning time is 60 per cent in the classroom and 40 per cent in labs, field camps and activities and projects. You'll build practical skills that ensure you are job ready on graduation.

The Co-op Work Term Advantage

Co-operative work terms are paid, so you'll earn while you learn. Saskatchewan Polytechnic arranges your interviews; it's up to you to shine. It's also a chance to develop important "soft skills" in job interviewing, professional attitude, interpersonal communication and more.

Many of our co-op employers require both a valid Saskatchewan Driver's Licence and a clean Driver's Abstract. For international students, it can take up to 12 months to obtain a Driver's Licence; therefore, it is to your advantage to come with a Driver's Licence from your home country if possible.

Some opportunities require a Criminal Record Check and/or drug and alcohol testing.

Diploma to Degree

Use your diploma to ladder into an applied science degree at Lakeland College in Alberta, an environmental science degree at Royal Roads University in British Columbia or a technology degree at Memorial University in Newfoundland.

Bachelor of Applied Management

Ladder your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Career Opportunities

Jobs in environmental engineering technology can involve environmental monitoring and assessment, pollution control, site remediation and reclamation, environmental audits and impact assessments, construction and design, research, technical sales and support for waste management. You could work in an office or a field setting, as part of a team or independently. Potential employers include engineering firms, environmental consultants, utilities, municipalities, government agencies and non-governmental organizations.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

CADD 120	Computer Aided Drafting 1
ENVR 102	Environmental Sampling and Analysis
ENVR 103	The Living World
MAT 110	Mathematics for Engineering Technologies
SEM 101	Technology Seminars
SRVY 120	Surveying 1
TCOM 102	Workplace Communication
TERR 101	Engineering Geology
TERR 102	Engineering Geology Laboratory

Year 1 - Semester 2

CAMP 104	Environmental Field Work 1
ENVR 101	Environmental Science and Technology 1
ENVR 105	Environmental Site Assessment 1
GIS 110	Global Navigation Satellite Systems (GNSS) and Geographic Information System (GIS) Fundamentals
MAT 111	Calculus for Engineering Technologies
SOIL 102	Soil Testing, Taxonomy and Classification
TCOM 103	Technical Communication

Co-operative Work Term 1

COOP 101	Co-operative Work Term

Co-operative Work Term 2

COOP 201	Co-operative Work Term

Year 2 - Semester 3

CHEM 200	Engineering Chemistry
ENVR 204	Ecosystems
ENVR 236	Environmental Monitoring
HYDO 201	Groundwater Technology
LABS 202	Environmental Laboratory Analysis
PHYS 104	Physics for Engineering Technologies
STAT 201	Statistics for Engineering Technology

Co-operative Work Term 3

COOP 301	Co-operative Work Term

Year 3 - Semester 4

CAMP 204	Environmental Field Work 2
CAMP 205	Boreal Field Work
CHEM 201	Environmental Chemistry
ENVR 200	Atmospheric Environment
ENVR 205	Environmental Site Assessment 2
ENVR 206	Energy Resource Management
ENVR 208	Applied Ecology
HYDO 202	Hydrology

Year 3 - Semester 5

ENVR 203	Liquid and Solid Waste Management
ENVR 207	Remediation and Reclamation
ENVR 228	Environmental Management
ENVR 229	Environmental Impact Assessment
HYDO 200	Contaminant Hydrogeology
MGMT 212	Project Management
PROJ 206	Capstone Project
TCOM 104	Applied Research in Technology

Geographic Information Science
Certificate

Location
- Prince Albert

Start date
- Fall

Duration
- 32 weeks

Admission requirements
- Grade 12
- Minimum 65% average in English Language Arts A30 and English Language Arts B30 (combined)
- Minimum 60% in Workplace and Apprenticeship Math 30 or 60% in Foundations of Math 30 or 60% in Pre-Calculus 30*
- English Language Requirement

Note
- Computer literacy is recommended.

***Previous Saskatchewan mathematics requirement also accepted:**
- Minimum combined average of 60% in Math A30 and B30

Program overview

Geographic information science (GIS) is a relatively new field that uses computer technology to link maps to digital data. Resource managers and urban planners rely on the expertise of GIS technicians when they are making critical decisions about asset management, environmental assessment, development, and harvest. GIS skills are applicable in any organization that maintains assets in the environment. Graduates work with mines and resources, utility companies, First Nations, urban and rural municipalities, and health care agencies, to maintain information with geospatial reference.

Have you ever hovered your computer mouse over a map image and a name pops up? This is the simplest of GIS applications. If you have good computer skills, a keen eye for detail, and an interest in project management from conceptual design to rollout, the GIS program could be a good fit for you. With many employment opportunities, now is the time to launch your GIS career. Graduates are working in company offices and remotely.

GIS is a one-year certificate program offered full time at Saskatchewan Polytechnic Prince Albert Campus.

You'll learn the concepts, practice the applications, and build expertise in using GIS software to analyze and map data. In this hands-on approach to applying GIS technology, you will learn about:

- Drone, or Uncrewed Aerial Vehicle (UAV) data acquisition, processing, and interpretation
- Global Positioning Systems (GPS)
- GIS process automation
- GIS analysis and spatial mapping
- Database and worksheet design
- Web mapping and web cartography
- Remote sensing and image analysis

Learn by Doing

Your training will include hands-on learning, field experience, and an applied research project. Your project will be a relevant workflow with an industry partner. When you graduate, you will have much more than a textbook understanding of GIS theory—you will have experience using GIS applications in different situations. Computer literacy is essential to handling the course load.

Career Opportunities

Saskatchewan Polytechnic has an excellent track record when it comes to getting grads into jobs: 80% of GIS grads are working in their field within six months of graduation. They work as GIS mapping technicians, GIS specialists, mapping cartographers, GPS operators, data analysts or remote sensing analysts. With your specialized training in applying GIS to resource management, you can explore job opportunities with a wide variety of potential employers, including natural resource-based industries, First Nations industries, consulting firms, environmental agencies, government departments and municipal agencies.

A GIS certificate from Sask Polytech can also help you move your career forward. Read more about how a few graduates enhanced their education and careers by taking the GIS program.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

COMP 174	Introduction to Microsoft Excel 1
COMP 175	Introduction to Microsoft Excel 2
GIS 101	Geographic Information Systems 1
GIS 102	Introduction to ArcGIS

GIS 103	Data Input for Geographic Information Systems (GIS)
GIS 104	Introduction to Python
GIS 107	Geographic Information Systems (GIS) Hardware and Hardware Resources
GIS 363	Basic Statistics and Geostatistics
GPS 110	Basics of Global Positioning Systems (GPS)
INDG 100	Introduction to Indigenous Studies
MAPS 101	Introduction to Mapping and Compassing
WORK 126	Work Preparation
Semester 2	
GIS 105	Vector Analysis
GIS 108	Unmanned Aerial Vehicle (UAV) Data
GIS 109	Unmanned Aerial Vehicle (UAV) Data Processing
GIS 302	Introduction to Mobile Geographic Information Systems (GIS)
GIS 361	Raster Analysis
GIS 362	Three-Dimensional Analysis
MAPS 301	Cartography
MAPS 302	Geographic Information Systems (GIS) and the Internet
PROJ 117	Applied Research Geographic Information Science
PROJ 119	Geographic Information Science (GIS) Project Management
SYST 401	Remote Sensing 1
SYST 402	Remote Sensing 2

Note: Some work experiences may be in locations other than Prince Albert, so you may need to budget for additional transportation and accommodation expenses.

Integrated Resource Management

Diploma

Location

- Prince Albert

Start date

- Fall

Duration

- 70 weeks

Admission requirements

- Grade 12
- Minimum 65% average in English Language Arts A30 and English Language Arts B30 (combined)
- Minimum 60% in Workplace and Apprenticeship Math 30 or 60% in Foundations of Math 30 or 60% in Pre-Calculus 30*
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

- Minimum combined average of 60% in Math A30 and B30

Note:

- It is recommended that students entering the program have basic skills in Microsoft Word and Excel.
- For employment purposes, graduates may be required to obtain First Aid certification. Students will be offered the First Aid course FAID 1001 at the beginning of their program.

Program overview

Saskatchewan's natural resources are rich and varied—fisheries, forests, wildlife and park areas. Integrated resource management (IRM) takes a balanced approach to managing these resources. The focus is on sustainability and stewardship.

Integrated resource management practitioners are analytic thinkers who combine a knack for science with a love of the outdoors. It's an excellent career choice if you want to play a role in sustainable silviculture (forestry management), fisheries, wildlife or park management.

Integrated Resource Management is a two-year diploma program that gives you a unique perspective on balancing the environmental, economic and social factors of natural resource development. The program emphasizes hands-on learning through labs, camps, field exercises and work experience. You'll learn how to collect and analyze data, enforce regulations and monitor resource use. You'll develop knowledge and skill in:

- applying Global Positioning Systems (GPS) and Geographical Information Systems (GIS) to resource management situations
- applying statistics to resource management problems
- fish, wildlife, forestry and parks management
- implementing quality control
- mapping, compassing and remote sensing
- operating and maintaining chainsaws, boats and trailers
- plant and wildlife identification
- research design, analysis and technical reporting
- surviving in the wilderness

You'll graduate with hands-on experience from a North American Wildlife Technology Association (NAWTA) accredited program.

Get Your Feet Wet and Hands Dirty

Field camps are a popular part of Saskatchewan Polytechnic's Natural Resources programs. We have our own outdoor camp on the north side of Candle Lake, the Hannin Creek Education and Applied Research Centre. You'll spend three weeks here in the fall

learning a variety of hands-on skills. You'll return for winter camp to learn about winter ecology and outdoor survival.

Diploma to Degree

Ladder your Integrated Resource Management diploma into a degree at the University of Regina (Bachelor of Science in Environmental Biology), Lakeland College (Bachelor of Applied Science in Environmental Management) or University of Regina/First Nations University of Canada (Bachelor of Arts in Resource and Environmental Studies).

Bachelor of Applied Management

Leverage your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Career Opportunities

Career choices for Integrated Resource Management graduates are excellent. You could work as a fish and wildlife technician, forestry technician, plant specialist or park ranger across Western and Northern Canada. You might work for conservation authorities, First Nation communities, forestry companies, exploration and resource companies, government agencies, municipalities, private contractors and many more.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

CLTR 119	Indigenous Cultural Awareness
COMP 174	Introduction to Microsoft Excel 1
EMPS 109	Work Preparation For Resource Managers
ENVR 104	Introduction to Environmental Science and Technology
EQPT 401	Small Motors
FORE 102	Introduction to Forestry
GPS 110	Basics of Global Positioning Systems (GPS)
MAPS 101	Introduction to Mapping and Compassing
RLAW 104	Introduction to Resource Legislation
RSRC 102	Landscape, Soils and Ecoregions
RSRC 104	Introduction to Ecology
TAXO 100	Plant Taxonomy and Identification

Semester 2

CAMP 102	Winter Camp
CAMP 305	Winter Aquatic Surveys
COM 106	Technical Report Writing
FEMT 301	Botany
FIRE 101	Wildland Fire Fundamentals
FISH 301	Aquatic Ecology
FORE 400	Advanced Forestry
SFTY 106	Wilderness Survival
STAT 102	Stats for Resource Managers
WILD 101	Ecology, Biology and Management of Saskatchewan Wildlife
WILD 301	Wildlife Anatomy and Systematics

Semester 3

WORK 403	Work Experience

Semester 4

CAMP 412	Aquatic Field Surveys
CAMP 415	Natural Resources Field Technician-Forestry
CAMP 416	Natural Resources Field Technician-Wildlife
FISH 402	Aquatic Surveys
FISH 403	Advanced Aquatic Surveys
FORE 200	Forest Health
FORE 405	Forest Access Techniques
GIS 101	Geographic Information Systems 1
WILD 404	Wildlife Management Field Techniques
WILD 409	Wildlife Habitat Assessment

Semester 5

ENVR 401	Environmental Science and Technology 2
FISH 404	Fisheries Management
FISH 405	Current Topics in Fisheries
HORT 400	Urban Forestry
PARK 400	Park Programs
PROJ 401	Applied Research in Resource Management
RLAW 105	Indigenous Resource Rights
SYST 401	Remote Sensing 1
WILD 405	Wildlife Population Assessment and Regulation
WILD 406	Assessment of Wildlife Physiological Condition

Resource and Environmental Law

Diploma

Location

- Prince Albert

Start date

- Fall

Duration

- 70 weeks

Admission requirements

- Grade 12 with a combined minimum 65% average in English Language Arts A30 and English Language Arts B30 (combined), and a minimum of 60% in Workplace and

Apprenticeship Math 30 or 60% in Foundations of Math 30 or 60% in Pre-Calculus 30*
- A clear Criminal Record Check
- English Language Requirement

***Previous Saskatchewan mathematics requirement also accepted:**

- minimum combined average of 60% in Math A30 and Math B30

Notes:

- It is recommended that students entering the program have basic skills in Microsoft Word© and Excel©.
- For employment purposes, graduates may be required to obtain First Aid certification. Students will be offered the First Aid course FAID 1001 at the beginning of their program.
- For employment purposes, graduates may be required to perform the Physical Abilities Requirement Evaluation (PARE).

Program overview

From forestry to tourism, from First Nations to park users—we all enjoy Saskatchewan's natural resources. There are laws and environmental policies in place to ensure the long-term sustainability of our fisheries, forests and wildlife.

If you want to play an active role in ensuring these laws are respected, Resource and Environmental Law will appeal to you. It's a career that demands a strong belief in what you're doing, a good understanding of human behaviour and excellent communication skills.

Resource and Environmental Law is a two-year diploma program that specializes in conservation and environmental law enforcement. You'll develop solid skills in environmental protection, enforcement and investigation. You'll learn about:

- Indigenous resource rights
- Canadian criminal justice system
- control tactics
- courtroom procedures
- environmental and field investigations
- environmental legislation and compliance
- environmental sampling
- investigative techniques
- park services and enforcement
- wildlife and fisheries management

Hands-on learning is key. You'll augment classroom learning with lab exercises, simulated field investigations, outdoor camps and work experience. You'll work with trainers from different government agencies, participate in ride-alongs and more.

Get Your Feet Wet and Hands Dirty

Field camps are a popular part of Saskatchewan Polytechnic's Natural Resources programs. We have our own outdoor camp on the north side of Candle Lake. You'll spend three weeks here in the fall learning a variety of skills. You'll return for winter camp to learn about working in arduous outdoor conditions. Saskatchewan Polytechnic's excellent camp facilities give you first-hand experience working in the outdoors, from learning how to pull boats over for compliance checks in the summer to ice rescue in the winter.

Are You Up for the Challenge?

Because jobs in environmental law enforcement can be physically demanding, we put Resource and Environmental Law students through the same fitness test as new RCMP recruits.

Diploma to Degree

Turn your diploma into degree. Resource and Environmental Law grads can transfer into the third year of the Bachelor of Arts Resource and Environmental Studies (BARES) program at the University of Regina/First Nations University of Canada or the Bachelor of Science in Agriculture (major in Renewable Resource Management) at the University of Saskatchewan.

Career Opportunities

Resource and Environmental Law graduates can choose from a variety of career options. Work in the field as a conservation officer; environmental protection officer; park warden; or fishery, forestry or wildlife officer. Potential employers include environmental agencies, federal and provincial parks, natural resource companies, First Nation communities, even border services or law enforcement agencies.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

COM 106	Technical Report Writing
ENVR 101	Environmental Science and Technology 1
FORE 102	Introduction to Forestry
FTNS 100	Fitness 1
GPS 110	Basics of Global Positioning Systems (GPS)
MAPS 101	Introduction to Mapping and Compassing

RLAW 104	Introduction to Resource Legislation
RSRC 101	Elements of Ecology
RSRC 103	Forest Ecosystems
WILD 101	Ecology, Biology and Management of Saskatchewan Wildlife
WORK 126	Work Preparation
Semester 2	
CAMP 102	Winter Camp
CAMP 305	Winter Aquatic Surveys
FISH 301	Aquatic Ecology
FTNS 101	Fitness 2
RLAW 105	Indigenous Resource Rights
RLAW 107	Park Enforcement
RLAW 108	Canadian Criminal Justice 1
RLAW 109	Canadian Criminal Justice 2
SFTY 106	Wilderness Survival
SFTY 300	Firearm Safety
WILD 301	Wildlife Anatomy and Systematics
Semester 3	
WORK 402	Work Experience
Semester 4	
CAMP 402	Natural Resources Field Techniques
CAMP 413	Resource and Environmental Law Field Techniques
CLTR 119	Indigenous Cultural Awareness
GIS 101	Geographic Information Systems 1
RLAW 201	Responsibilities and Authorities
RLAW 202	Field Investigations 1
RLAW 203	Field Investigations 2
RLAW 204	Gathering Evidence 1
RLAW 205	Gathering Evidence 2
WILD 411	Wildlife Mgmt Field Techniques
Semester 5	
ENVR 401	Environmental Science and Technology 2
ENVR 402	Environmental Sampling
FISH 404	Fisheries Management
FTNS 200	Fitness 3
PR 401	Professionalism and Ethics in Law Enforcement
RLAW 200	Defense Tactics and Fitness
RLAW 206	Courtroom Procedures 1
RLAW 207	Courtroom Procedures 2
RLAW 403	Environmental Legislation and Compliance
RLAW 406	Environmental Investigation

School of Nursing

Bachelor of Psychiatric Nursing
Degree

Location
- Online/Distance

Start date
- Beginning September 16, 2013 for BPN Degree Completion program for Saskatchewan Polytechnic Psychiatric Nursing diploma graduates 2010 and beyond; Beginning January 2014 for BPN Degree Completion program for Psychiatric Nursing graduates prior to 2010. Annual intakes.

Duration
- BPN Degree Completion for Saskatchewan Polytechnic Psychiatric Nursing graduates 2010 and beyond is 2 years; BPN Degree Completion for Psychiatric Nursing graduates prior to 2010 is 2.5 years

Admission requirements

BPN Degree Completion Program for graduates of 2010 and beyond:

- Saskatchewan Polytechnic Psychiatric Nursing program diploma from 2010 and beyond
- Active registration and good standing with the Registered Psychiatric Nurses Association of Saskatchewan or with the psychiatric nurses regulatory body from the province in which the applicant resides

BPN Degree Completion Program for graduates prior to 2010:

- Psychiatric Nursing program diploma received prior to 2010
- Active registration and good standing with the Registered Psychiatric Nurses Association of Saskatchewan or with the psychiatric nurses regulatory body from the province in which the applicant resides

BPN Degree Completion Program for graduates of the Nursing Education Program of Saskatchewan (NEPS):

- Bachelor of Science in Nursing, University of Saskatchewan (NEPS)
- Active registration and good standing with the Registered Psychiatric Nurses Association of Saskatchewan or with the psychiatric nurses regulatory body from the province in which the applicant resides

All BPN Applicants
- English Language Proficiency (ELP) requirements will apply to students new to Saskatchewan Polytechnic (see Program-Specific ELP Requirements section)

Note:

- All successful applicants must provide proof of Standard First Aid and CPR Health Care Provider 'C' AED or equivalent, and submit the results of a Criminal Record Check, prior to commencement of the program. (When you are accepted to the program, you will be further advised of the required timelines for submission of the related documents. Please await further notice.)
- Accepted applicants are required to provide evidence of current N95 respirator mask testing prior to entry into the clinical practicum. The cost of N95 respirator mask testing is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

You will need access to a computer for the entire program.

Program overview

**** This program has been suspended for the 2023-24 academic year ****

Are you a graduate of a Psychiatric Nursing diploma program? Do you want to play a greater role in advancing the health and well-being of people and communities—while also opening the door to opportunities in leadership, management and education?

Saskatchewan Polytechnic's Bachelor of Psychiatric Nursing (BPN) degree completion program will interest you. Building on your Psychiatric Nursing diploma, we'll provide you with a strong foundation to grow your career provincially, nationally and internationally.

You'll study on a part-time basis, taking one or two courses at a time through distance learning, with a clinical practicum.

You'll deepen your understanding of standards and competencies related to clinical practice, leadership, management, education and research. Mental health promotion and primary health care are emphasized, with a strong focus on clinical practice education. You'll broaden your knowledge and skills in:

- addictions, sociology and psychology
- economic, social and political influences in psychiatric nursing
- informatics and statistics
- integrating leadership and management theory and skills
- research for evidence-based nursing practice

Designed for Working RPNs

The BPN degree completion program is designed to accommodate working RPNs. Depending on when you graduated, you'll be able to complete your degree through part-time study in 2 to 2.5 years.

- If you graduated before 2010, you'll take 1 to 2 courses per term over eight terms, earning your BPN in 2.5 years.
- If you graduated after 2010, you'll take 1 to 2 courses per term over six terms, earning your BPN in two years.

This program is offered with the written authorization of the Minister of Advanced Education, effective July 1, 2013. This authorization was provided after the program proposal underwent a quality assurance review and was found to meet the standards established by the Minister. Prospective students are responsible for satisfying themselves that the program and degree will be appropriate to their needs. Learn more about the 2018 External Review.

Refer to Frequently Asked Questions for additional information.

International applicants will not be considered for admission to the program.

For more information about this program, contact Caroline Hoffart, program head, Bachelor of Psychiatric Nursing Degree Completion program at caroline.hoffart@saskpolytech.ca or 306-775-7354.

Career Opportunities

Growing demand for psychiatric nurses is opening doors to careers in clinical practice, leadership, management, education and research. You'll continue to use your RPN designation, but your BPN will open the door to new opportunities in hospitals, long-term care facilities, correctional institutions and programs, community health settings and youth centres.

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you or visit www.healthcareersinsask.ca

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Prior to 2010 Bridging Sem A

PSYN 209	Physical Assessment
PSYN 307	Addictions

Prior to 2010 Bridging Sem B

PSYN 210	Health and Mental Health Literacy
SOCI 200	Culture and Diversity in Health Sciences

Prior to 2010 Year 1 Sem 1

ENGL 100	Critical Reading and Writing
PSYN 208	Informatics for Health Care Professionals

Prior to 2010 Year 1 Sem 2

PSYC 101	Introduction to Psychology
SOCI 100	Introduction to Sociology
STAT 202	Introductory Statistics

Prior to 2010 Year 1 Sem 3

PSYN 300	Research for Evidence-Based Nursing Practice

Prior to 2010 Year 2 Sem 4

PSYN 303	Economic, Social & Political Influences in Psychiatric Nursing

Prior to 2010 Year 2 Sem 5

PSYN 304	Integrating Leadership & Management in Psychiatric Nursing
PSYN 308	Open Elective 1

Prior to 2010 Year 2 Sem 6

PSYN 400	Consolidated Collaborative Practice
WORK 404	Consolidated Collaborative Work Experience

Beyond 2010 Year 1 Sem 1

ENGL 100	Critical Reading and Writing
PSYN 208	Informatics for Health Care Professionals

Beyond 2010 Year 1 Sem 2

PSYC 101	Introduction to Psychology
SOCI 100	Introduction to Sociology
STAT 202	Introductory Statistics

Beyond 2010 Year 1 Sem 3

PSYN 300	Research for Evidence-Based Nursing Practice

Beyond 2010 Year 2 Sem 4

PSYN 303	Economic, Social & Political Influences in Psychiatric Nursing
PSYN 308	Open Elective 1

Beyond 2010 Year 2 Sem 5

PSYN 304	Integrating Leadership & Management in Psychiatric Nursing
PSYN 309	Open Elective 2

Beyond 2010 Year 2 Sem 6

PSYN 400	Consolidated Collaborative Practice
WORK 404	Consolidated Collaborative Work Experience

Note: Students take one of either PSYC 101 or SOCI 100.

Collaborative Nurse Practitioner Program

Degree: Master of Nursing – Nurse Practitioner degree

Location: Online

Start date: September

Duration – see below

Admission Requirements

To be considered to the Collaborative Nurse Practitioner Program, you must satisfy the admission requirements listed in the University of Regina's Faculty of Graduate Studies and Research website. Additional requirements information can be found below.

The language of instruction in the MN (NP) is English. You must demonstrate an appropriate level of proficiency in English as required by the U of R.

Submission of a comprehensive curriculum vitae, comprised of education history, nursing work history, special contributions and acknowledgements, and community involvement is encouraged.

The Collaborative Nurse Practitioner Program has one intake per year with classes beginning in September. Preference is given to Saskatchewan applicants; however, applicants from other Canadian jurisdictions are encouraged to apply, with the exceptions of Quebec and British Columbia as they currently do not accept out of province student's clinical.

The program has designated equity seats that are representative of the Indigenous population in Saskatchewan. Indigenous students at the University of Regina are asked to self-declare their Indigenous status when they log into the University's Admissions online form. Like all other CNPP applicants, Indigenous students must fully meet the admission criteria. Unfilled equity seats will become available to other applicants.

Additional requirements

Risk Management documents are required to engage in the clinical **following** acceptance to the program.

NOTE: These documents are to be submitted to the Clinical Coordinator in PDF format by August 1.

- Current personal resume, professional appearance and in PDF format. This may be required when negotiating a clinical placement.
- **Record of Immunization:** Immunization requirements for educational programs will differ from your employment requirements for immunization but all information listed below is required for your clinical experience and must be submitted to the program.
    - ***History of Immunization:*** Copy of your history of immunization (Include childhood and employment records, and immunizations received for travel or other post-secondary programs)
    - ***Tuberculin Skin Test:*** results dated between August 1, 2019 and August 1, 2020. Positive

results require submission of an x-ray report in addition to a copy of the results
    - ***MMR (measles, Mumps, Rubella):*** Documentation of 2 doses of MMR
    - ***TdaP:*** documentation of primary series and 1 adult dose of TdaP after age 18 years
    - ***Hepatitis B:*** documentation of a 2 or 3 dose Hepatitis B series. Blood test for surface antibody (HBsAB) that confirms immunity.
    - ***Varicella (chickenpox):*** documentation 2 doses of Varicella-containing vaccine ***OR*** a blood test for Varicella-Zoster IgG that confirms immunity.
    - ***Polio:*** documentation of a primary series.
- Current Basic Life Support (BLS) for Health Care Providers (C) (Note: This must remain current during the duration of your program. It is your responsibility to ensure that you participate in the required course to remain current.)
- Respiratory Mask FIT Testing (Note: This must remain current during the duration of your program. It is your responsibility to ensure that you participate in the required course to remain current.)
- Workplace Hazardous Materials Information System (WHMIS) Training (Note: Training must be completed within 12 months of your program start date.)
- HSP*net* Consent Form
- Confidentiality Agreement Form
- Workers Compensation Form
- Student Authorization Form
- Student Photo/Video Consent Form

Program overview

As a CNPP student, you will study in the fall, winter and spring-summer semesters to obtain your degree. You will complete 702 hours of clinical practice experiences in primary care settings with a licensed registered nurse (nurse practitioner). Limited hours may be completed with a primary care physician and a pharmacist.

As a student, you will develop advanced nursing practice competencies while participating in community-centered practice.

The program is delivered through asynchronous online learning with the exception of an on-campus one-week mandatory residency requirement in MNUR 802. You will meet other students and faculty in person and experience high fidelity simulation learning.
For more information on the CNPP program, please visit
https://www.sasknursingdegree.ca/cnpp/program/

Continuing Care Assistant
Certificate

Location
- Online/Distance
- Prince Albert
- Regina
- Saskatoon

Start date
Fall (Prince Albert, Regina, Saskatoon); Winter (Prince Albert)

Duration
- 32 weeks

Admission requirements
- Grade 12 or successful completion of fifteen (15) post-secondary credits from a recognized institution
- English Language Requirement

Note

Applicants require:

- personal and physical suitability. This job is physically demanding, and you will be on your feet continuously throughout your shifts (aside from your coffee and meal breaks). It can also be mentally and emotionally stressful and students must have a strong support system and coping strategies in place to do well.
- a Criminal Record Check and Vulnerable Sector Search prior to entering the clinical component of the program (an interview may be required). At the discretion of the clinical agency, you may be declined access to a clinical placement based on the contents of the Criminal Record Check and Vulnerable Sector Search. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- Standard First Aid and CPR Heartsaver CPR AED – Level C or equivalent are required prior to entry into clinical.
- current immunization records.
- N95 respirator mask testing (2 mask minimum) prior to entry into the clinical practicum. The cost of N95 respirator mask testing is your responsibility.
- 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.
- current Transferring, Lifting and Repositioning (TLR®) © certification and Professional Assault Response Training (PART®) © Intermediate certification
- Food Safe Level 1 Certification prior to entry into the clinical practicum. Students are responsible for the costs of these certificates.
- a co-op work permit (international students only) to participate in the mandatory CLIN 100 and CLIN 219 in this program.

Program overview

The Continuing Care Assistant (CCA) program recently completed a program review and curriculum update. Students who started the program prior to the 2022-23 academic year can complete their CCA certificate on a part-time basis (must be completed within 4 years of your start date) through the School of Continuing Education (click link for detailed information).

The information that follows is for students who are just beginning their educational journey.

Continuing Care Assistants (CCAs) have been called the eyes and ears of the frail and vulnerable. The need for CCAs has never been greater and employment opportunities are available in a variety of settings. You'll support clients with ambulation, meal assistance/nutrition, personal care (bathing, toileting, dressing and grooming), medication monitoring, communication, and end of life care. You'll work directly with clients across the life span who have a variety of health care needs and you'll become an important and respected member of the healthcare team.

Saskatchewan Polytechnic's Continuing Care Assistant program is a one-year certificate program that you can take in Saskatoon, Regina or Prince Albert. You can also take it through your local regional college or through part-time distance flexible learning through the School of Continuing Education.

The program combines classroom instruction with hands-on learning in labs and during clinical practicums. You'll build knowledge and skills in:

- addressing individual psychosocial needs.
- developing effective communication skills.
- using personal protective equipment when working with infectious diseases.
- performing personal care such as bathing and toileting for older adults.
- death and dying practices.
- dementia management strategies.
- gerontology (a major area of study).
- long-term care philosophy in different settings.
- promoting independence in a safe environment.
- working with individuals with different physical and cognitive impairments.
- working with people of different cultures and lifestyles.

You will participate in two clinical placements (at different facilities) over a 6-week timeframe. Under the supervision of your instructor and working alongside experienced CCAs you'll put your skills into practice with clients in long-term care facilities. It's a great way to build your knowledge and confidence.

Career Opportunities

Continuing Care Assistant graduates enjoy high employment rates. You could work in a home care setting, long-term care facility, private care home, acute care facility, integrated facility, supportive housing or special needs classroom. You'll work as part of a health-care team under the supervision of registered nurses, registered psychiatric nurses or licensed practical nurses.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

ANAT 100	Body Systems
CLIN 100	Clinical 1 - Special Care
COMM 197	Helping Skills
COMM 291	Interpersonal Communications
DEMC 100	Dementia Care
SPCR 101	Observing, Reporting, and Recording
SPCR 104	Personal Care 1
SPCR 105	Personal Care 2
SPCR 106	Introduction to Caregiving
SPCR 192	Personal Competence

Semester 2

CLIN 219	Clinical 2 - Special Care
HUMD 187	Human Growth and Development
SOCI 160	Foundations of Sociology
SPCR 102	End of Life Care
SPCR 107	Community Care
SPCR 108	Special Procedures
SPCR 284	Special Needs 1
SPCR 285	Special Needs 2

Critical Care Nursing
Advanced Certificate

Location

- Online/Distance
- Prince Albert
- Regina
- Saskatoon

Start date

September, January

Duration

- 18 weeks

Admission requirements

Before you apply, please contact criticalcarenursing@saskpolytech.ca or call administrative support, at 306-775-7573 (toll free at 1-866-467-4278) to determine the next available intake based on clinical capacity.

- To enroll in the program, you must be currently licensed with the registered nurses' licensing body in the province where you will be completing your clinical practice education experience.
- English Language Requirement documentation is considered met as evidenced through licensure with the registered nurses' licensing body in Canada.

The following are not required on admission but are required prior to participating in the clinical component:

- Current immunization
- Current CPR Health Care Provider “C” AED or equivalent
- Transferring, Lifting and Repositioning (TLR) certification
- Evidence of current N95 respirator mask testing. The cost of N95 respirator mask testing is your responsibility.

Program overview

Are you an RN wishing to expand your current skill set and knowledge base, enabling you to provide care for patients with complex multi-system health issues? Do you thrive in a high intensity environment, and desire to be a part of a multidisciplinary team that seamlessly blends knowledge and technology, all while delivering holistic, evidence-based patient care? If so, a career in critical care nursing might be the path for you.

Critical care nurses are skilled health-care providers who are able to rapidly integrate knowledge and skill. An essential part of the health-care team, critical care nurses work with a variety of health-care professionals, providing care to patients and families during times of stress and crisis.

Saskatchewan Polytechnic’s Critical Care Nursing is an advanced certificate program for practicing registered nurses (RNs). It is offered through a blend of distance education and hands-on lab and clinical practicum experiences in Saskatchewan. You can choose to study fast track or regular track, whichever suits your schedule.

The program integrates information through a step-by-step approach, building on a comprehensive knowledge base. Through online classes, skills labs, simulation experience and clinical practicums, you’ll broaden your knowledge and skills in:

- What it means to work in critical care and concepts such as patient- and family centered care, infection control, and working with a team.
- Anatomy and physiology with a critical care focus.
- Assessment and diagnosis in critical care.
- Disorders and management in critical care.
- Multisystem dysfunction and management in critical care.
- Exploring the impact of critical care on you, the long-term outcomes on patients, future concepts in critical care, and the process of change.

Why Saskatchewan Polytechnic?

Saskatchewan Polytechnic is one of the most respected providers of nursing education in Canada. Our Critical Care Nursing program follows standards set by the Canadian Association of Critical Care Nursing. When you graduate, you’ll have the foundation you need to successfully write the national critical care certification exam.

A Stepping Stone

If you’re registered with the College of Registered Nurses of Saskatchewan (CRNS) while taking the program, you can apply for practice hours to maintain your registration. On graduation, you qualify for transfer credits towards post-RN degree programs at the Athabasca University of Alberta.

To Apply

Before you apply, please email criticalcarenursing@saskpolytech.ca or call toll-free at 1-866-467-4278 to determine the next available intake based on clinical capacity. Provide your name and phone number, and our program team will respond.

The Critical Care Nursing program is open to registered nurses actively licensed with the College of Registered Nurses of Saskatchewan (CRNS).

Refer to Frequently Asked Questions for additional information.

Career Opportunities

As a graduate of the Critical Care Nursing program, you’re qualified to be a leader and team player in critical care settings, including intensive care, cardiac care and surgical intensive care units. In Saskatchewan, some health regions sponsor and hire local RNs to take the program and work in critical care areas in regional hospitals and tertiary care centres.

For more information, visit www.healthcareersinsask.ca

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

CLIN 233	Fundamental Clinical Practice Education in Critical Care
CLIN 234	Progressive Clinical Practice Education in Critical Care
NRSG 283	Cardiac Output and Perfusion in Critical Care
NRSG 284	Ventilation, Oxygenation, and Neurologic Perfusion in Critical Care
NRSG 285	Multisystem Perfusion in Critical Care
NRSG 286	Introduction to Critical Care Nursing within a Patient and Family-Centred Environment

Medical Device Reprocessing Technician

Certificate of Achievement

Location

- Online/Distance

Start date

- August, October and January

For additional information, contact the program at 306-775-7575 ormdr.regina@saskpolytech.ca

Duration

- 24 weeks

Admission requirements

- Grade 12
- English Language Requirement

Note:

Prior to the start date of the program, accepted applicants will be required to provide evidence of the following:

- Current immunization records, and meet Saskatchewan Polytechnic immunization requirements prior to engaging in work integrated learning experiences
- Criminal Record Check. At the discretion of the work integrated learning site, you may be denied access based on the contents of the Criminal Record Check. The cost of the Criminal Record Check is your responsibility.
- Transfer Lifting Repositioning (TLR®) © Object Moving training certification is mandatory for Saskatchewan applicants. Out of province applicants must meet the placement requirements of their province or jurisdiction. The cost of this certification is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

Program overview

Saskatchewan Polytechnic's Medical Device Reprocessing Technician is a 24-week certificate of achievement program offered through distance education. The program will prepare you to apply principles of infection prevention and proper handling in the decontamination, inspection, assembly, sterilization and storage of reusable patient care equipment and instrumentation in health-care settings.

Medical device reprocessing technicians (MDRT) operate and maintain a variety of sterilization equipment such as instrument washers, sonic sinks, cart washers and steam autoclaves to clean and disinfect surgical equipment for reuse according to standardized safety practices. During their daily work, an MDRT's role involves standing, walking, and heavy lifting of surgical pans that can weigh up to 10 kg/22 lbs. As well as responding to auditory alarms on sterilization equipment and maintaining ongoing communication with hospital departments to provide updates on equipment deliveries. The MDRT visually inspects, reassembles equipment, and prepares sterile supplies and instruments for delivery to the operating room, endoscopy, and other hospital departments.

Work Experience

You will participate in four one-day work experiences, each designed to integrate your course learning with a practical experience in a medical device reprocessing department. Under the supervision of a staff member, you will observe and work in the different areas of a medical device reprocessing department. You will collaborate with your instructor to arrange work experiences in a site of your preference.

Career Opportunities

Medical Device Reprocessing Technician program graduates are in high demand. You could have a variety of opportunities in health-care facilities, such as hospital medical device reprocessing departments, veterinary clinics, public and private endoscopic clinics, dental clinics and private surgical centres.

For more information about career opportunities related to this program, visit the Health Careers website.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

MED 100	Foundations of Medical Device Reprocessing
MED 101	Decontamination: Cleaning and Disinfection
MED 102	Preparation and Packaging
MED 103	Sterilization, Storage and Distribution

After you complete your Medical Device Reprocessing Technician Applied Certificate, some employers require a practicum. Please consult your local health authority to confirm their practicum requirements. Some examples of practicum length and cost are outlined below: Saskatoon, SK 240 hours (approx. 6 weeks) Alberta Health, AB* 500 hours (approx. 12 weeks) Covenant Health, AB* 400 hours (approx. 10 weeks) PEI 400 hours (approx. 10 weeks) The tuition cost for the practicum is $585.To determine if you require a practicum, contact your prospective employer. Please email nursingconed@saskpolytech.ca for questions about PRAC 1603 and PRAC 1604.

Nursing Re-entry

Applied Certificate

Location

- Online/Distance

Start date

- Ongoing:

For more information, contact rnre-entry@saskpolytech.ca

Duration

- You must complete all courses within 3 years

Admission requirements

- A recommendation letter from the Saskatchewan Registered Nurses' Association (SRNA)

Note

The following is required prior to participating in clinical practice education. The cost and time required to meet these requirements are the student's responsibility.

- Current CPR Health Care Provider "C" AED, or equivalent
- Current immunization
- Transferring, Lifting and Repositioning (TLR) certification
- Evidence of current N95 respirator mask testing
- Criminal Record Check (A student may be declined access to a clinical placement based on the contents of the Criminal Record Check)
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

Program overview

Note: Current students will complete this program August 20, 2021.Effective August 31, 2020, this program will be known as Registered Nursing Bridging Program for Re-entry to Practice (RNBP/RTP).

You've been thinking about getting back into nursing. You miss your ability to touch so many lives as a registered nurse. And whether you want to practice at the bedside or work in research, community health or education, job opportunities for RNs are more diverse than ever.

Saskatchewan Polytechnic's Nursing Re-entry program is your first step back to the career you love. When you graduate, you'll have the knowledge and skills you need to move confidently into today's primary health-care settings.

Saskatchewan Polytechnic's Nursing Re-entry is an applied certificate program for RNs previously registered in Canada. There are three major components to the program: theoretical concepts (12 self-study courses), simulation labs and onsite clinical practice education. Your studies will focus on:

- child, adult and older adult nursing
- health assessment
- issues and trends in professional nursing
- mental health nursing
- perspectives in community nursing
- pharmacology

Why Saskatchewan Polytechnic?

Saskatchewan Polytechnic is one of the most respected providers of nursing education in Canada. Our Nursing Division offers innovative online programs. Each is designed with input from the health care profession, so your education is up-to-date and matches opportunities in the field.

Learn At Your Own Pace

Because Saskatchewan Polytechnic Nursing Re-entry program is an online, distance-based program, you can work from your own home, on your own time and at your own pace. You have three years to complete all courses. You'll build your knowledge through course work, develop your practical skills through simulation labs and gain real world experience through clinical practicums. You'll also have one-on-one interaction with faculty throughout your program.

Update Your Professional Credentials

On completion of the program, you'll be eligible for re-licensure as a Registered Nurse with the Saskatchewan Registered Nurses' Association (SRNA) or you'll be eligible to write the Canadian Registered Nurse Exam (CRNE).

Refer to Frequently Asked Questions for additional information.

Career Opportunities

When you graduate, you'll be ready to move confidently into today's primary health-care settings—acute-care hospitals, regional hospitals, long-term care facilities, home-care settings and more. Most RNs work in direct patient care, but your background and experience could open doors to jobs in administration, education, research and more.

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you or visit www.healthcareersinsask.ca

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

CLIN 200	Clinical Experience 1
CLIN 201	Clinical Experience 2
NRSG 200	Health Assessment 1
NRSG 201	Health Assessment 2
NRSG 202	Issues and Trends in Professional Nursing 1
NRSG 203	Issues and Trends in Professional Nursing 2
NRSG 204	Perspectives in Community Nursing
NRSG 205	Mental Health Nursing
NRSG 206	Nursing Re-entry Lab 1
NRSG 207	Nursing the Childbearing Family
NRSG 208	Child Health Nursing
NRSG 209	Adult Health Nursing 1
NRSG 210	Adult Health Nursing 2
NRSG 211	Nursing the Older Adult
NRSG 212	Nursing Re-entry Lab 2
PHAR 200	Pharmacology in Nursing

You will need Microsoft Word (2000 or newer) and Internet access for NRSG 200, NRSG 201, NRSG 202, and NRSG 203.You can purchase your books and manuals from the Wascana campus Bookstore. You must complete the program within three years. Because there is no faculty support available during July and August, these months are not counted when determining your course end date.

Occupational Health Nursing

Post-Graduate Certificate

Location

- Online/Distance

Start date

- August, January, and April

For more information, contact: Occupational Health Nursing, School of Nursing Saskatchewan Polytechnic Regina Campus Phone: 1-306-775-7573Toll Free: 1-866-467-4278.
Email: occupationalhealthnursing@saskpolytech.ca

Duration

- 12 weeks per course

Admission requirements

- Graduate of a bachelor of nursing program (or other relevant bachelor's degree)
- Licensed and currently registered with the registered nurses' licensing body in the province where you will participate in clinical practice education
- English Language Requirement

Program overview

****This program has been suspended for the 2023-24 academic year****

Occupational Health Nurses are registered nurses who play a vital role in workplace wellness. Their exciting role encompasses health promotion, health maintenance, and the prevention of illness and injury in the workplace.

If you are seeking a role in nursing where you will work independently as well as in collaboration with others, and where you will advocate for workers to improve workplace health and safety - this career is for you.

Who Qualifies

To enroll in this program, you must be a graduate of a recognized bachelor of nursing program, and be licensed and currently registered with the registered nurses' licensing body in the province where you will participate in clinical practice education.

Why Saskatchewan Polytechnic

Saskatchewan Polytechnic's post-graduate certificate in Occupational Health Nursing will prepare you for the pace and pressures experienced by a nurse working in industry. Best of all, the program is available online, which allows you to study at a time, pace, and location that is convenient for you.

Your specialized studies will focus on:

- assessing workers, and disabilities
- exploring safety systems
- assessing hazards
- creating safe work environments
- managing projects
- providing nursing leadership in the workplace

Your studies will be based on the latest, evidence-informed practice for the specialty. You will have an opportunity to apply theory and demonstrate critical thinking, problem solving and skill mastery in a simulated lab setting.

Your learning experience culminates with an 80-hour field work opportunity in an industry setting, where you will apply what you have learned and will be mentored by an employed registered nurse.

Refer to Frequently Asked Questions for additional information.

Career Opportunities

Occupational Health Nurses play a unique role in health promotion and safety. They work independently and as part of a team, in outpatient care centres, educational institutions, factories, large corporations, public health clinics and hospital settings.

As a result of industry growth in western Canada, an aging population, and a focus on workplace safety, there is an increase in employment opportunities in this specialty.

If you want to make a difference in workplace health and safety - this career is for you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

LEAD 202	Leadership and Team Management in Occupational Health Nursing
NRSG 287	Foundations of Occupational Health Nursing
NRSG 288	Health Assessment and Health Promotion in Occupational Health Nursing
NRSG 289	Work Environments and Health 1
NRSG 290	Work Environments and Health 2
NRSG 291	Disability Case Management in Occupational Health Nursing
NRSG 292	Occupational Health Nursing Lab
PRAC 214	Occupational Health Nursing Practice Education
PROJ 205	Project Management in Occupational Health Nursing
SFTY 201	Managing Health and Safety Systems from an Occupational Health Nursing Perspective

Orientation to Nursing in Canada for Internationally Educated Nurses

Applied Certificate

Location

- Online/Distance

Start date

September, January and April

Duration

- 64 weeks (16 weeks x 4 semesters)
    - You will have two years to complete the program. For a list of currently available courses, click here.

Admission requirements

- A letter from the SRNA (or from the regulatory body in the province where the student resides) recommending the candidate for the ONCIEN program and indicating the candidate meets English language proficiency

Note:

- Proof of current Transferring, Lifting and Repositioning (TLR) certification is required prior to entry into the clinical practicum. The cost of TLR certification is your responsibility.
- Current CPR Health Care Provider "C" AED or equivalent is required prior to participating in CLIN 209 Clinical Experience. The cost of CPR certification is your responsibility.
- Current immunization is required prior to participating in CLIN 209 Clinical Experience.
- A Criminal Record Check and Vulnerable Sector Search is required prior to participating in CLIN 209 Clinical Experience. A student may be declined access to a clinical placement based on the contents of the Criminal Record Check and Vulnerable Sector Search. A student must complete the clinical practice experience to graduate from the program. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- Accepted applicants are required to provide evidence of current N95 respirator mask testing prior to entry into the clinical practicum. The cost of N95 respirator mask testing is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

Program overview

Note: Current students will complete this program August 20, 2021.Effective August 31, 2020, this program is known as Registered Nursing Bridging Program for Internationally Educated Nurses (RNBP/IEN).

If you're an internationally-educated nurse who wants to practice nursing in Saskatchewan, you will need to update your credentials to meet the competencies set out by the Saskatchewan Registered Nurses' Association (SRNA), or for the regulatory body in the province in which you reside. We are unable to accept internationally educated nurses from Ontario. Saskatchewan Polytechnic is here to help you gain the knowledge and skills to work as a registered nurse (RN) in Canada.

Saskatchewan Polytechnic's Orientation to Nursing in Canada for Internationally Educated Nurses (ONCIEN) program is an online applied certificate program. It is designed to provide the knowledge and skills you need to work as a nurse in Canada. You will:

- learn about the Canadian health care system
- study health assessment, health challenges, communications, and care of the elderly
- study medical technology, terminology and drug therapy theory in Canada

- study regulations, ethics, safety and cultural competency
- explore issues generated by language barriers and cultural differences
- have your clinical skills assessed in comparison to techniques and equipment used in Canada
- take part in simulation labs and supervised clinical practice education, and
- prepare to write the National Council Licensure Examination (NCLEX)

Why Saskatchewan Polytechnic?

Saskatchewan Polytechnic's Orientation to Nursing in Canada program is highly regarded across Canada. Because it is offered online (with access to tutor support via telephone, fax and/or email), you can work from your own home, on your own time and at your own pace. You have two years to complete all courses.

Practical Learning

The program is designed to give you hands-on practice with nursing skills, documentation and equipment. You'll take part in simulation labs and supervised clinical practice education, and you'll have your clinical skills assessed in comparison to techniques and equipment used in Canada.

You're Ready to Earn Professional Credentials

Refer to Frequently Asked Questions for additional information.

Graduation/Completion Requirements

- Successful completion of all theory courses (except the Communications courses) with a grade of 50% or better
- Successful completion of the Communications courses, skills lab and clinical experience is a pass-fail designation based on identified criteria
- PLAR and Transfer Credit
  For more information on PLAR and Transfer Credit, please contact the program at oncien@saskpolytech.ca

Career Opportunities

Whether you already live in Saskatchewan or are planning to move here, Orientation to Nursing in Canada for Internationally Educated Nurses will help you qualify to practice in the province. Once your credentials are recognized by the SRNA, you'll discover career opportunities in hospitals, northern health facilities, community clinics, long-term care facilities and more.

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you or visit www.healthcareersinsask.ca

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

NRSG 103	Nursing in Canada
NRSG 120	Fundamentals of Canadian Nursing Communication

Semester 2

NRSG 104	Health Assessment
PHAR 202	Pharmacology

Semester 3

NRSG 221	Adult Health Nursing
NRSG 222	Gerontological Nursing

Semester 4

CLIN 209	Clinical Practice Education Experience
NRSG 223	Clinical Skills Lab

Pain Management for Nursing Professionals

Certificate of Achievement

Location

- Online/Distance

Start date

Continuous Enrolment

Duration

- 12 weeks

Admission requirements

- Registered Nurse or Licensed Practical Nurse or Registered Psychiatric Nurse (diploma or degree graduate), or
- Currently enrolled in a post-secondary nursing degree program and have completed year 2 of the program; program approval may be required to receive elective credits
- English Language Requirement

Program overview

This certificate of achievement is a one-course program that can be completed in 12 weeks or less. LPN's and RNs are required to provide their license number at the time of course registration.

Pain management impacts a patient's recovery, which affects all areas of care and subsequently, all areas of nursing. As a student in the Pain Management for Nursing Professionals program, you will become familiar with the mechanisms of pain and the practice of pain management in nursing.

You will review up-to-date research focusing on the role of nurses in the inter-professional team management of chronic and acute pain across the lifespan in various populations.

An introduction to the epidemiology and neurophysiology of pain will provide the basis for in-depth discussions related to the appropriate use of several nursing interventions including pharmacological and non-pharmacological pain management methods in pediatric, adult, and Indigenous clients.

You will also review:

- opioid safety
- the use of cannabis, and
- end of life pain management

The program includes discussion related to the role of nurses in leadership and advocacy in the field of pain management. Knowledge gained from this course will be relevant and applicable to all nursing care clinical settings.

All materials are included. No additional texts are required.

This program is an approved elective for the University of Saskatchewan Nursing students.

Career Opportunities

Nursing care often involves managing pain alongside other conditions in a variety of health care settings. This certificate of achievement further develops your nursing practice and adds value to your workplace by expanding your skills and knowledge in caring for clients who are experiencing pain. The skills learned in this program can be immediately implemented in your nursing practice as a student during upper year clinical placements or as a staff nurse in any health care setting.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

NURS 010 Pain Management

Perioperative Nursing/LPN

Advanced Certificate

Location

- Online/Distance

Start date

August, October, January

Duration

- 33 weeks

Admission requirements

- Licensed with the practical nurses' licensing body in the province where you will participate in the clinical component. Your registration must be active and current to participate in the clinical component.
- English Language Requirement

Graduates of the Saskatchewan Polytechnic Practical Nursing Program prior to 2001 and graduates of a licensed practical nursing program that did not include administration of oral and intramuscular medications and catheterization must also provide proof of successfully completing:

- Administration of Medications for LPNs (or equivalent)
- NURS 1601 - Catheterization (or equivalent)
- PHAR 1602 - Intramuscular Injection Completer (or equivalent)

Note

Accepted applicants are required to provide evidence of the following upon admission into the program:

- Current immunization records, and meet Saskatchewan Polytechnic requirements
- Current CPR Health Care Provider/AED Level 'C' Certificate
- Current N95 respirator mask testing. The cost of N95 respirator mask testing is your responsibility.
- 2015 WHMIS Globally Harmonized System (GHS) certification. The cost of WHMIS certification is your responsibility.

Program overview

If you're a licensed practical nurse who enjoys working directly with patients in a fast-paced environment, explore Saskatchewan Polytechnic's Perioperative Nursing/LPN program. You could be a scrub nurse working directly with surgeons or a circulating nurse participating in surgical procedures and assisting anaesthetists. Our online program lets you build your professional credentials while looking after family and job responsibilities.

Perioperative Nursing/LPN is an advanced certificate program offered full-time or part-time through online distance education. Choose the full-time option to complete the program in eight months or the part-time option to complete the program in three years. You'll learn aseptic technique and basic technical skills for working within a surgical environment.

Who Qualifies?

To enrol in the program, you must be currently licensed with the practical nurses' licensing body in the province where you plan to do your clinical practice education. If you graduated from the Saskatchewan Polytechnic Practical Nursing Program prior to 2001, or if you are a graduate of another institution's licensed practical nursing program that did not include courses in administration of oral and IM medications and catheterization, you must provide proof of completion of the following courses:

- Administration of Medications for LPNs or equivalent
- NURS 1601 Catheterization of equivalent
- PHAR 1602 IM Completer course or equivalent

Why Saskatchewan Polytechnic?

Sask Polytech is one of the most respected providers of nursing education in Canada. As a student, you'll access innovative virtual reality videos of real surgery. Our emphasis on hands-on learning ensures you have the knowledge, the skills and the confidence you need to deliver patient care in the surgical environment.

Hands-on Learning

A one-week lab lets you apply the technical skills you've studied online. You'll practice in a safe, supervised setting using simulations. You'll begin your 10-week clinical practice with a four-week instructor-led clinical practicum, followed by another six weeks of preceptored clinical practice in different surgical areas, including gynecology, urology and orthopedics. Clinical placements take place in Regina and Saskatoon. Out of province clinical placements are only available through a contractual arrangement between a health care facility and Saskatchewan Polytechnic.

Individuals must apply directly to one of the approved clinical sites, using the Site Confirmation form. Simply submit the completed form with your application to the program, or separately by fax or email as indicated on the form. If you wish to apply to more than one clinical site, you must submit a separate application with fee.

Maintain Your Professional Credentials

When you graduate, you can apply the program's course hours toward the continuing education requirements of the Saskatchewan Association of Licensed Practical Nurses (SALPN) to maintain licensure.

Refer to Frequently Asked Questions for additional information.

Career Opportunities

Perioperative nurses are in demand across Canada, thanks to evolving health care delivery models and advances in medical technology. It's an exciting career path with a growing number of opportunities in urban and regional hospital operating rooms, ambulatory surgery centres, freestanding clinics and more.

Do you need help deciding if these careers could be a good fit for you? Contact Career Counselling Services or visit www.healthcareersinsask.ca

Do you already know this is the program you want to take but need more detailed information or help applying? Connect with a Recruitment Advisor.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

ANAT 266	Anatomy Review
CLIN 220	Perioperative Nursing Practice/LPN
NURS 202	Psychomotor Skills Lab
NURS 214	Perioperative Nurse Anesthesia/LPN
NURS 244	Surgical Environment
NURS 246	Surgical Equipment
NURS 248	Surgical Procedures
NURS 250	Perioperative Nursing Process/LPN

Perioperative Nursing/RN
Advanced Certificate

Location

- Online/Distance

Start date

August, October, January

Duration

- 33 weeks

Admission requirements

- Licensed with the registered nurses' licensing body in the province where you will participate in the clinical experience. Your registration must be active and current in order to participate in the clinical component.
- English Language Requirement

Note

Accepted applicants are required to provide evidence of the following upon admission into the program:

- Current immunization records, and meet Saskatchewan Polytechnic requirements
- Current CPR Health Care Provider/AED Level 'C' Certificate
- Current N95 respirator mask testing. The cost of N95 respirator mask testing is your responsibility.
- 2015 WHMIS Globally Harmonized System (GHS) certification. The cost of WHMIS certification is your responsibility.

Program overview

Are you an RN who thrives in a high-energy environment? Do you enjoy life-long learning? Are you interested in becoming a leader of collaborative patient care? Consider becoming a perioperative nurse.

Perioperative nurses care for patients undergoing surgery or invasive procedures. As part of the perioperative team, you practice as a scrub nurse and circulating nurse, collaborating with surgeons and anesthesiologists to facilitate surgical procedures.

Saskatchewan Polytechnic's nationally accredited Perioperative Nursing/RN program prepares you to work in the fast-paced world of today's OR. Best of all, our online program enhances your professional credentials while allowing you to maintain professional and personal responsibilities.

Perioperative Nursing/RN is an advanced certificate program offered full-time or part-time through online distance education. Choose the full-time option to complete the program in eight months or the part-time option to complete the program in three years. Your education is based on the latest evidence-informed best practices for perioperative nursing. You'll study the nursing process in perioperative nursing, principles and practices of aseptic technique and highly technical skills for working within a surgical environment.

Who Qualifies?

To enroll in the program, you must be currently licensed with the registered nurses' licensing body in the province where you will be completing your clinical practice education.

Why Saskatchewan Polytechnic?

Sask Polytech is one of the most respected providers of nursing education in Canada. The Perioperative Nursing/RN program is approved by the Operating Room Nurses' Association of Canada (ORNAC), which opens doors to jobs across the country. As a student, you'll access innovative virtual reality videos of real surgery. Our emphasis on hands-on learning ensures you have the knowledge, the skills and the confidence you need to deliver patient care in the surgical environment.

One-Week Skills Lab

Patient safety is the focus of a one-week skills lab. It's an opportunity to apply what you've learned in a supported environment, using simulations to practice hands-on skills.

10-Week Clinical Practice

Your learning experience culminates in a 10-week clinical practice. It begins with a four-week instructor-led clinical practicum, followed by another six weeks of preceptored clinical practice in different surgical areas, including gynecology, urology and orthopedics. Clinical placements take place in Lloydminster, Moose Jaw, Prince Albert, Regina, Saskatoon and Swift Current. You will be able to select your preferred clinical site when you submit your application, using the Site Confirmation form. Simply submit the completed form with your application to the program, or separately by fax or email as indicated on the form. If you wish to apply to more than one clinical site, you must submit a separate application with fee.

Earn Professional Credentials

When you graduate, you're eligible to:

- Write the Canadian Nurses Association (CNA) certification exam to earn a CPN(c) designation
- Apply for practice hours to maintain your registration with the Saskatchewan Registered Nurses' Association (SRNA)
- Earn transfer credits to post-RN degree programs at the University of Saskatchewan

Refer to Frequently Asked Questions for additional information.

Career Opportunities

Perioperative nurses are in demand across Canada, thanks to evolving health care delivery models and advances in medical technology. It's an exciting career path with a growing number of opportunities in urban and regional hospital operating rooms, ambulatory surgery centres, freestanding clinics and more.

Do you need help deciding if these careers could be a good fit for you? Contact Career Counselling Services or visit www.healthcareersinsask.ca

Do you already know this is the program you want to take but need more detailed information or help applying? Connect with a Recruitment Advisor.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

ANAT 266	Anatomy Review
CLIN 221	Perioperative Nursing Practice/RN
NURS 202	Psychomotor Skills Lab
NURS 244	Surgical Environment
NURS 245	Perioperative Nursing Process/RN
NURS 246	Surgical Equipment
NURS 247	Perioperative Nurse Anesthesia/RN
NURS 248	Surgical Procedures

Practical Nursing
Diploma

Location
- Online/Distance
- Prince Albert
- Regina
- Saskatoon

Start date
- September:
  - On campus Program - September intake each year;
  - Online Program - September intake each year

Duration

- 76 weeks
  - Year 1 - 38 weeks; Year 2 - 38 weeks A summer break over the months of July and August occurs between Year 1 and Year 2.

Admission requirements

The Practical Nursing program is subject to the competitive admission process.

- Grade 12 with a minimum overall score of 65% in the following five subjects: English Language Arts A30, English Language Arts B30, Foundations of Math 30 or Pre-Calculus 30 or Workplace and Apprenticeship Math 30*; one of Biology 30, Chemistry 30 or Physics 30; and one of Social Studies 30, History 30 or Native Studies 30
- English Language Requirement Specific to Practical Nursing (see Program-Specific ELP Requirements section)

Note:

- Please indicate on your application form whether you are applying to the on-campus or online program.
- Applicants should have the Requisite Skills and Abilities (pdf) to become a Licensed Practical Nurse in Canada.
- Accepted applicants will be required to provide evidence of a Criminal Record Check and Vulnerable Sector Search upon admission into the program. At the discretion of the practicum agency, you may be declined access to a clinical or work placement based on the contents of the Criminal Record Check and Vulnerable Sector Search. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- Proof of current Standard First Aid and Heart and Stroke Foundation CPR is required prior to entry into the clinical practicum. The required course for CPR is Basic Life Support – Health Care Provider (BLS-HCP). The cost of Standard First Aid and CPR is your responsibility.
- Accepted applicants will be required to provide evidence of Transferring Lifting Repositioning (TLR®) certification upon admission into the program.
- Accepted applicants are required to provide current immunization records and meet Saskatchewan Polytechnic immunization requirements prior to entry into clinical experiences.
- Accepted applicants are required to provide evidence of current N95 respirator mask testing prior to entry into the clinical experiences. The cost of N95 respirator mask testing is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

***Previous Saskatchewan mathematics requirement also accepted:**

- Math A30, Math B30, Math C30, Calculus 30, or General Math 30

Program overview

Please Note: The Practical Nursing program is subject to the competitive admission process, and the application period is now closed.

It opens for application on October 1, and closes on February 15, each academic year. On February 15, paper applications are accepted until 4:30 p.m., and online applications are accepted until 11:59 p.m. (Saskatchewan times). All supporting documentation is required by 4:30 p.m. (Saskatchewan time) on March 1.

Licensed Practical Nurses are a vital part of today's health care team - in acute hospital care, long-term care and in the community. They provide compassionate, professional nursing care to individuals throughout the human lifespan, infants to seniors. If this sounds interesting to you, explore Saskatchewan Polytechnic's Practical Nursing program. In just two years, we'll help you develop into a competent, confident nurse capable of making a positive difference in the health and well-being of individuals, their families and our communities.

Practical Nursing is a two-year diploma program offered at Sask Polytech Saskatoon Campus, Regina Campus, and Prince Albert Campus, with online distance learning options. Onsite labs and community-based clinical practice education experiences let you apply nursing knowledge, theory and skills in a variety of environments.

The program is a sequential 6-semester program allowing the concepts from one semester to be built on in subsequent semesters. The 6 semesters run over 76 weeks, over a 2-year period. Classes are designed to meet diverse learning styles.

Our experienced faculty help you grow into a competent, confident nurse capable of bringing a holistic, humanistic approach to patient care. You'll study:

- Anatomy and physiology
- Foundations of health
- Pharmacology
- Health assessment through the lifespan
- Long-term and rehabilitative care
- Medical and surgical care
- Obstetrics and pediatrics
- Mental health and addictions
- Community
- Sociology

Courses are delivered in a blended model which comprise of onsite face-to-face and online course delivery. Our instructors engage with students through a variety of instructional methods such as seminars, observational experiences, pre- and post-clinical conferences, small group presentations, lectures, demonstrations, role-playing, storytelling, discussion, reflective thinking and writing and simulation lab experiences.

Opportunities for critical reflection about caring-based practice, development of employability skills and understanding the role and scope of practice of the licensed practical nurse (LPN) are blended into the program's learning activities.

The clinical practice education courses are integrative in nature, and, as such, the evaluation of your performance in the clinical setting involves evaluating the application of the theoretical concepts learned in all other courses. This is what ultimately determines your progress toward achieving the competencies of the beginning practical nurse.

The focus of each semester is as follows:

- Semester 1 - Health Promotion/Illness Prevention
- Semester 2 - Rehabilitative and Supportive Care
- Semester 3 - Restorative and Curative Care
- Semester 4 - Acute Medical and Surgical Care
- Semester 5 - Acute Medical Surgical Care/Maternal-Child Health/Community
- Semester 6 - Transition from Student to Graduate

Note: Students who have previously completed the following courses may be eligible to receive transfer credit upon acceptance into the program: BIOL 102, BIOL 103, SOCI 160, SOCI 201.

For more information about the program, including the admission process and program requirements, refer to the Admission Requirements and Selection Criteria sections below, and to our program Frequently Asked Questions (FAQ).

If you have questions about this program, please email practicalnursing@saskpolytech.ca

Why Saskatchewan Polytechnic?

Sask Polytech is one of the most respected providers of nursing education in Canada. Our small class sizes mean more opportunities to interact with faculty. High-tech simulation centres use near-life scenarios to give you hands-on practice. Clinical practice education lets you transfer your nursing knowledge and skills into the real world.

Extensive Hands-on Learning

Apply what you learn in class and gain real-world experience in actual health-care settings.

- Lab and Simulation – Application of your nursing knowledge and skills will occur in Saskatchewan Polytechnic's state-of-the-art lab and high-fidelity simulation centres.
- Clinical Practice Education – Each semester contains a clinical experience that gives you the opportunity to put theory into practice. Clinical is completed in a variety of practice settings: long-term care, rehabilitation, acute care, community, and more.
- Experience with Preceptors - In the final experience of the program, you will be preceptored with a practicing LPN who is licensed with the SALPN. This time will assist in your transition from student nurse to practicing nurse.

Study Close to Home

You can enrol in Sask Polytech's Practical Nursing diploma program while staying close to home by enrolling in the full-time online program. The online program allows students to study class theory at home and join mandatory scheduled labs/seminars and clinical experiences in either Regina or Saskatoon, with eight designated clinical spots for each site. Scheduled labs/seminars and clinical experiences typically occur a few days a week over the course of each semester.

Furthermore, we offer the program in partnership with regional colleges and Dumont Technical Institutes around the province.

Earn Your Professional Credentials

The Practical Nursing program meets the approval of the Saskatchewan Association of Licensed Practical Nurses (SALPN). Graduates are eligible to write the Canadian Practical Nurse Registration Exam (CPNRE), which is necessary to become licensed as a practical nurse.

Diploma to Degree

Leverage your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of

additional study. Remote classes and part-time options are available.

Career Opportunities

Employment opportunities for licensed practical nurses are excellent. Most LPNs work in acute care hospitals, rehabilitation hospitals, medical centres and long-term care facilities. Choose an area that interests you - gerontology, maternal-child, medical, mental health, palliative, pediatric, rehabilitation or surgical nursing.

You also can pursue a career in a community setting: a nursing clinic, home care agency, private nursing agency, community health centre or physician's office.

Saskatchewan Polytechnic Practical Nursing graduates enjoy national reciprocity, which means you can work in any province in Canada or the Northwest Territories. Our graduates have also found jobs in the United States and overseas.

Further investigate this program choice as a career:

- Conduct informational interviews with people working in this field.
- Explore the possibility of job shadowing.
- Read more about NOC 3233 Licensed Practical Nurses.
- Arrange an INSIGHT experience or attend an Open House event at Sask Polytech.
- Read more about Licensed Practical Nursing practice and regulation by visiting the SALPN website.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

BIOL 102	Anatomy and Physiology 1
CLIN 103	Health Assessment and Praxis 1
NURS 163	Professional Practice and Communication 1
NURS 171	Foundations 1 – Foundations of Health
NURS 172	Variations in Health 1
PHAR 101	Pharmacology 1

Year 1 - Semester 2

BIOL 103	Anatomy and Physiology 2
CLIN 104	Health Assessment and Praxis 2
NURS 176	Foundations 2 - Mental Health
NURS 240	Professional Practice and Communication 2
NURS 293	Variations in Health 2
PHAR 102	Pharmacology 2

Year 1 - Semester 3

CLIN 105	Integrated Clinical Practice 1
SOCI 160	Foundations of Sociology

Year 2 - Semester 4

CLIN 240	Health Assessment and Praxis 3
NRSG 257	Professional Practice and Communication 3
NRSG 258	Addictions
NURS 294	Variations in Health 3
SOCI 201	Culture and Diversity in Health Sciences

Year 2 - Semester 5

CLIN 241	Health Assessment and Praxis 4
NRSG 298	Foundations 4 - Community Health
NRSG 299	Variations in Health 4
NURS 292	Foundations 3 – Maternal Child Health
PHAR 215	Pharmacology 3

Year 2 - Semester 6

CLIN 242	Integrated Clinical Practice 2

The program follows this academic education schedule. Sept - Dec Jan – Apr May - June Year 1 Semester 1 Semester 2 Semester 3 Year 2 Semester 4 Semester 5 Semester 6

Please note that courses in this program are delivered in a variety of modalities including face-to-face and online. Furthermore, student learning occurs in the classroom and includes seminars, labs, and clinicals. Courses in the program that will be delivered online for all students, including those who are accepted into the on-campus program, are outlined below: Semester 1: NURS 172 Variations in Health 1 Semester 2: NURS 240 Professional Practice & Communication 2 Semester 3: None Semester 4: NRSG 258 Addictions and SOCI 201 Culture and Diversity in Health Sciences Semester 5: NURS 292 Foundations 3 – Maternal Child Health Semester 6: None

Psychiatric Nursing

Advanced Diploma

Location

- Regina
- Saskatoon

Start date

- September

Duration

- 96 weeks

Admission requirements

- Grade 12 with a minimum overall score of 70% in the following five subjects (or their equivalents): English Language Arts A30, English Language Arts B30, Foundations of Math 30 or Pre-Calculus 30 Biology 30, Chemistry 30
- English Language Requirement

Effective September 2024: English Language Requirement Specific to Psychiatric Nursing

The language of instruction and assessment for this program is English. In addition to the general admission requirements, if your first or primary language is not English and/or your country is not exempt, you must demonstrate an appropriate level of proficiency in English. English language proficiency will be based on submission of evidence for one of the following: Completion of studies at a Canadian or U.S. high school (secondary education) Completion of grades 10, 11, and 12 English, in sequence, as part of three full academic years in a high school using provincially accredited Canadian or state-accredited U.S. curriculum with a minimum grade of 70% in English Language Arts A30 and English Language Arts B30 or equivalent. English as a Second Language courses will not be considered. Completion of studies at an English-speaking post-secondary school Successful completion of a minimum of two full years (minimum 24 credits) from an accredited program at a recognized institution or a combination of accredited programs at institutions recognized by Saskatchewan Polytechnic, where English is the official language of instruction and examination with a grade point average of 60% or equivalent. If one of the above requirements is not met, evidence of one of the following English proficiency tests meeting the specified exam standards must be submitted:

IELTS (Academic): Must meet the minimum in each component shown below, and an overall minimum of 7

- Writing – 6.5
- Speaking – 7
- Listening – 7
- Reading – 6.5

CELBAN: For internationally educated nurses only

- Writing – 7
- Speaking – 8
- Listening – 9
- Reading – 8

TEF Canada

- Reading – 4
- Listening – 4
- Writing – 4
- Speaking – 5

Note

- All successful applicants must provide proof of Standard First Aid and CPR Health Care Provider 'C' AED or equivalent and submit the results of a Criminal Record Check and Vulnerable Sector Search, prior to commencement of the program. (When you are accepted to the program, you will be further advised of the required timelines for submission of the related documents. Please await further notice). The cost of CPR certification, the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- Accepted applicants are required to provide evidence of current N95 respirator mask testing prior to entry into the clinical practice education setting. The cost of N95 respirator mask testing is your responsibility.
- You will need access to a computer for the entire program.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.
- Accepted applicants are required to provide evidence of current (TLR®) certification. The cost of TLR® certification is your responsibility.
- Accepted applicants are required to provide evidence of current Professional Assault Response Training (PART) - Advanced Level, prior to Clinical 214. The cost of PART certification is your responsibility.

***Previous Saskatchewan mathematics requirement also accepted:**

- one 30-level math (one of Math A30, Math B30, Math C30, Calculus 30, or General Math 30)

Program overview

Psychiatric nurses educated at Saskatchewan Polytechnic are known for their high standards of practice, ethical behaviour, acceptance of diversity and compassion. Expert faculty and staff help prepare students for graduation and gratifying careers as registered psychiatric nurses.

Psychiatric nursing is a respected and distinct field of practice in western Canada. As a Saskatchewan Polytechnic psychiatric nursing student, you will be introduced to foundational knowledge and skills to prepare you to be an integral part of the interdisciplinary health care team. Faculty will guide you as you link theory with practice, demonstrating that caring is the foundation that provides a framework for psychiatric nursing. You will learn the importance of using a holistic approach to help clients reach their maximum potential.

If you want to play a vital role in the advancement of mental health and contribute meaningfully to the well-being of individuals, groups, families and communities, Saskatchewan Polytechnic's two-and-a-half-year Psychiatric Nursing advanced diploma program will appeal to you.

For more information, visit the program's frequently asked questions.

Year-to-Year Breakdown

Year one of the program is offered in both Regina and Saskatoon and consists of theoretical courses, face-to-face mandatory simulated labs and two clinical practice education components (total 225 hours). Onsite face-to-face simulated labs help build a strong

nursing foundation as you prepare to use your knowledge and practice your skills with clients at clinical practice education settings.

At present, the majority of theory is delivered virtually from the Regina site, with assistance and participation from Saskatoon faculty. Students are encouraged to be present in a classroom at each site, but at times, they have the flexibility to participate in theory virtually from a home office. Regina and Saskatoon have a designated on-campus classroom for those students who wish to learn with their peers. Some courses have mandatory face-to-face components.

Year two of the program consists of courses delivered virtually, face-to-face labs, and three clinical practice education components (total 495 hours). You will be placed in an instructor led group at one of the following satellite sites (Moose Jaw, Saskatoon, Swift Current, North Battleford, Prince Albert and two sites to be determined).

Year three (four months in length) of the program consists of one clinical practice education experience with a preceptor (total 375 hours). It is a time that allows students to further hone their skills and explore an area of special interest. Students can identify their preference for the clinical practice education experience (in Saskatchewan only) and the program will accommodate student preferences (where possible)

Earn Your Professional Credentials

The Psychiatric Nursing advanced diploma program meets the approval of the Registered Psychiatric Nurses Association of Saskatchewan (RPNAS). Graduates are eligible to write the Registered Psychiatric Nurses of Canada Examination (RPNCE), which is required to become licensed as an RPN.

The program is also recognized by all other regulatory bodies for the profession in Canada. At present RPNs practice in Saskatchewan, Alberta, Manitoba, British Columbia, the Yukon, Northwest Territories and Nunavut.

Students are required to complete 2,145 hours (143 credits) to meet the standards and competencies required of an RPN. Upon program completion, graduates receive an advanced diploma credential. The credential aligns to the Saskatchewan Polytechnic framework and recognizes the length and complexity of the program.

Lighten Your Workload

Many incoming students choose to take courses prior to being accepted to lighten their workload while in the program. You can take any/all the following courses (offered through our School of Continuing Education) and receive credit for them prior to being admitted in the program.

- Anatomy and Physiology 1 (BIOL-102)
- Anatomy and Physiology 2 (BIOL-103)
- Culture/Diversity in Canadian Society (SOCI-171)
- Critical Reading and Writing (ENGL-101)

Students should ensure courses they take from other post-secondary learning institutions are equivalent prior to starting the program. The program head can assist you with choosing the right courses if you are interested in lightening your workload.

Diploma to Degree

Leverage your diploma into the Bachelor of Applied Management degree at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Program Approval

The program meets provincial and national standards set by the RPNAS.

Below are the key guiding documents for the psychiatric nursing program:

- Registered Psychiatric Nurse Entry-Level Competencies
- Standards of Psychiatric Nursing Practice
- Code of Ethics
- Psychiatric Nurse's Pledge

Career Opportunities

Registered psychiatric nurses are in high demand and are qualified to work in a variety of settings.

You could work in a hospital, long-term care facility, correctional institution (forensics), community mental health setting, home care or with children and youth. This program provides you with a strong foundation in psychiatric nursing practice.

Further investigate this program choice as a career:

- Read more about NOC 3012 Registered Psychiatric Nurses
- Arrange an INSIGHT experience or attend an Open House event at Sask Polytech.
- Read more about registered psychiatric nursing practice and regulations by visiting the RPNAS website

For more information, visit www.healthcareersinsask.ca

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Year 1 - Semester 1

BIOL 102	Anatomy and Physiology 1
CLIN 107	Clinical Practice Education 1
NRSG 100	Promotion of Psychiatric Nursing Praxis
NRSG 101	Introduction to Psychiatric Nursing Concepts
NRSG 110	Foundations of Nursing Practice
NRSG 111	Medical/Surgical Nursing Skills 1

Year 1 - Semester 2

BIOL 103	Anatomy and Physiology 2
NRSG 109	Interpersonal Partnerships
NRSG 112	Pathophysiology
NRSG 113	Medical/Surgical Nursing Skills 2
NRSG 114	General Pharmacology
NRSG 234	Physical Assessment

Year 1 - Semester 3

CLIN 108	Clinical Practice Education 2
SOCI 171	Culture and Diversity in Canadian Society

Year 2 - Semester 4

CLIN 214	Clinical Practice Education 3
ENGL 101	Critical Reading and Writing
NRSG 238	Individual Partnerships
NRSG 240	Psychotropic Pharmacology
NRSG 241	Psychiatric Nursing Assessment and Interventions 1
PSYC 163	Healthy Lifespan Development

Year 2 - Semester 5

CLIN 215	Clinical Practice Education 4
NRSG 239	Addictions
NRSG 242	Group Partnerships
NRSG 246	Family Partnerships
NRSG 259	Psychiatric Nursing Assessment and Interventions 2

Year 2 - Semester 6

CLIN 216	Clinical Practice Education 5
NRSG 247	Forensics
NRSG 248	Community Partnerships

Year 3 - Semester 7

CLIN 243	Clinical Practice Education 6

Registered Nursing Bridging Program for Internationally Educated Nurses

Certificate

Location

- Online/Distance
- Regina

Start date

September, January and May

Duration

- 64 weeks (16 weeks x 4 semesters)
  - You will have two years to complete the program. For a list of currently available courses, click here.

Admission requirements

- A letter from the CRNS (or from the regulatory body in the province where the student resides) recommending the candidate for the program

English Language Requirements

The language of instruction and assessment for this program is in English. In addition to the general admission requirements, if your first or primary language is not English and/or your country is not exempt, you must demonstrate an appropriate level of proficiency in English. English language proficiency will be based on submission of one of the following:

Completion of International English Language Testing Scores (IELTS)

- Overall minimum score of Band 6.5 with a minimum score of 6.5 in each component is required

OR

Completion of Canadian English Language Benchmark Assessment for Nurses (CELBAN) with the following acceptable scores:

- Speaking 8
- Writing 7
- Listening 9
- Reading 8

Note:

- Valid Transferring, Lifting and Repositioning (TLR) certification is required prior to entry into the clinical practice education experience. The cost of TLR certification is your responsibility.
- Valid CPR Health Care Provider "C" AED or equivalent is required prior to participating in the clinical practice education experience. The cost of CPR certification is your responsibility.
- Valid immunization is required prior to participating in the clinical practice education experience.
- A Criminal Record Check and Vulnerable Sector Search is required prior to participating in the clinical practice education experience. A student may be declined access to a clinical placement based on the contents of the Criminal Record Check and Vulnerable Sector Search. A student must complete the clinical practice education experience to graduate from the program. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- Accepted applicants are required to provide evidence of current N95 respirator mask testing prior to entry into the

clinical practice education experience. The cost of N95 respirator mask testing is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain valid. The cost of WHMIS certification is your responsibility.

Program overview

If you're an internationally-educated nurse who wants to practice nursing in Saskatchewan, you will need to update your credentials to meet the competencies set out by the College of Registered Nurses of Saskatchewan (CRNS), or for the regulatory body in the province in which you reside. We are unable to accept internationally educated nurses from Ontario. Saskatchewan Polytechnic is here to help you gain the knowledge and skills to work as a registered nurse (RN) in Canada.

Saskatchewan Polytechnic's Registered Nursing Bridging Program for Internationally Educated Nurses is an online certificate program. It is designed to provide the knowledge and skills you need to work as a nurse in Canada. You will:

- learn about the Canadian health care system
- study health assessment, health challenges, communications, and care of the elderly
- study medical technology, terminology and drug therapy theory in Canada
- study regulations, ethics, safety and cultural competency
- explore issues generated by language barriers and cultural differences
- have your clinical skills assessed in comparison to techniques and equipment used in Canada
- take part in simulation labs and supervised clinical practice education, and
- prepare to write the National Council Licensure Examination (NCLEX)

Why Saskatchewan Polytechnic?

Saskatchewan Polytechnic's Registered Nursing Bridging Program for Internationally Educated Nurses is highly regarded across Canada. Because it is offered online (with access to tutor support via telephone, fax and/or email), you can work from your own home, on your own time and at your own pace. You have two years to complete all courses.

Practical Learning

The program is designed to give you hands-on practice with nursing skills, documentation and equipment. You'll take part in simulation labs and supervised clinical practice education, and you'll have your clinical skills assessed in comparison to techniques and equipment used in Canada.

You're Ready to Earn Professional Credentials

Refer to Frequently Asked Questions for additional information.

Graduation/Completion Requirements

- Successful completion of all theory courses (except the Communications courses) with a grade of 50% or better
- Successful completion of the Communications courses, skills lab and clinical experience is a pass-fail designation based on identified criteria
- PLAR and Transfer Credit

  For more information on PLAR and Transfer Credit, please contact the program at rnbpien@saskpolytech.ca

Career Opportunities

Whether you already live in Saskatchewan or are planning to move here, our program will help you qualify to practice in the province. Once your credentials are recognized by the CRNS, you'll discover career opportunities in hospitals, northern health facilities, community clinics, long-term care facilities and more.

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you or visit www.healthcareersinsask.ca

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1	
NRSG 103	Nursing in Canada
NRSG 106	Mental Health Nursing
NRSG 120	Fundamentals of Canadian Nursing Communication
Semester 2	
NRSG 104	Health Assessment
NRSG 107	Maternal-Newborn Nursing
PHAR 202	Pharmacology
Semester 3	
NRSG 108	Pediatric Nursing
NRSG 221	Adult Health Nursing
NRSG 222	Gerontological Nursing
Semester 4	
CLIN 209	Clinical Practice Education Experience
NRSG 223	Clinical Skills Lab

Registered Nursing Bridging Program for Re-entry to Practice

Certificate

Location

- Online/Distance
- Regina

Start date

September, January and May
For more information, contact rnbprtp@saskpolytech.ca

Duration

- 64 weeks (16 weeks x 4 semesters)

Admission requirements

- A recommendation letter from the College of Registered Nurses of Saskatchewan (CRNS), (or from the regulatory body in the province where the student resides), recommending the candidate for the program

Note

- Valid Transferring, Lifting and Repositioning (TLR) certification is required prior to entry into the clinical practice education experience. The cost of TLR certification is your responsibility.
- Valid CPR Health Care Provider "C" AED or equivalent is required prior to participating in the clinical practice education experience. The cost of CPR certification is your responsibility.
- Valid immunization is required prior to participating in the clinical practice education experience.
- A Criminal Record Check and Vulnerable Sector Search is required prior to participating in the clinical practice education experience. A student may be declined access to a clinical placement based on the contents of the Criminal Record Check and Vulnerable Sector Search. A student must complete the clinical practice education experience to graduate from the program. The cost of the Criminal Record Check and Vulnerable Sector Search is your responsibility.
- Accepted applicants are required to provide evidence of valid N95 respirator mask testing prior to entry into the clinical practice education. The cost of N95 respirator mask testing is your responsibility.
- Accepted applicants are required to provide evidence of 2015 WHMIS Globally Harmonized System (GHS) certification upon admission into the program. Recertification will be required every three years to remain current. The cost of WHMIS certification is your responsibility.

Program overview

You've been thinking about getting back into nursing. You miss your ability to touch so many lives as a registered nurse. And whether you want to practice at the bedside or work in research, community health or education, job opportunities for RNs are more diverse than ever.

Saskatchewan Polytechnic's Registered Nursing Bridging Program for Re-entry to Practice is your first step back to the career you love. When you graduate, you'll have the knowledge and skills you need to move confidently into today's primary health-care settings.

This is a certificate program for RNs previously registered in Canada. There are three major components to the program: theoretical concepts (9 online courses), simulation labs and onsite clinical practice education. Your studies will focus on:

- health assessment
- issues and trends in professional nursing
- maternal-newborn nursing
- mental health nursing
- pediatric, adult and gerontological nursing
- perspectives in community nursing
- pharmacology

Why Saskatchewan Polytechnic?

Saskatchewan Polytechnic is one of the most respected providers of nursing education in Canada. Our School of Nursing offers innovative online programs. Each is designed with input from the health care profession, so your education is up-to-date and matches opportunities in the field.

Learn At Your Own Pace

Because this is an online, distance-based program, you can work from your own home, on your own time and at your own pace. You have three years to complete all courses. You'll build your knowledge through course work, develop your practical skills through simulation labs and gain real world experience through clinical practicums. You'll also have one-on-one interaction with faculty throughout your program.

Update Your Professional Credentials

On completion of the program, you'll be eligible for re-licensure as a Registered Nurse with the College of Registered Nurses of Saskatchewan (CRNS).

Refer to Frequently Asked Questions for additional information.

Career Opportunities

When you graduate, you'll be ready to move confidently into today's primary health-care settings—acute-care hospitals, regional hospitals, long-term care facilities, home-care settings and more. Most RNs work in direct patient care, but your background and experience could open doors to jobs in administration, education, research and more.

For more information, contact the Student Employment Services at the Saskatchewan Polytechnic campus nearest you or visit www.healthcareersinsask.ca

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

NRSG 103	Nursing in Canada
NRSG 105	Community Health Nursing
NRSG 106	Mental Health Nursing

Semester 2

NRSG 104	Health Assessment
NRSG 107	Maternal-Newborn Nursing
PHAR 202	Pharmacology

Semester 3

NRSG 108	Pediatric Nursing
NRSG 221	Adult Health Nursing
NRSG 222	Gerontological Nursing

Semester 4

CLIN 106	Clinical Practice Education Experience
NRSG 223	Clinical Skills Lab

You will need Microsoft Word (2000 or newer) and Internet access. You can purchase your books and manuals from any Sask Polytech Bookstore. You must complete the program within three years.

Saskatchewan Collaborative Bachelor of Science in Nursing

Degree

Location

- Regina
- Saskatoon

Start date

- September

Duration

- 4 years

Admission requirements

High School Admission Requirements

If you have completed or are in the process of completing Grade 12, you must present the following courses for admission to the program.

- English Language Arts A30 *See note 1
- English Language Arts B30 *See note 1
- One of Foundations of Math 30, Pre-Calculus 30, Math A30, Math B30, Math C30 or Calculus 30 **See note 2
- Biology 30
- Chemistry 20 (Chemistry 30 is recommended)

***Note 1: Applicants may substitute one of Francais Fransaskois A30/B30 or Francais Immersion 30 for English Language Arts A30 or B30. Applicants from Fransaskois and French Immersion programs may also substitute the equivalent subjects taught in French for those listed above. **Note 2: Current Saskatchewan high school students can present math requirements under the new and former curriculums.**

A minimum grade of 70% is required on each of the above required courses. Applicants with the highest admission average*** will be selected. Applicants from other Canadian provinces or from other countries can present equivalent courses. GED will not be accepted in lieu of Grade 12. ***Students who are currently enrolled in high school will be considered under the University of Regina's Early Conditional Admission process. High school graduates will be assessed using the five courses listed above.

Post-Secondary Admission Requirements

Applicants who have attempted 24 or more credit hours of approved post-secondary education will be admitted based on the following criteria.

- Successful completion of the required high school course (listed above) or a post-secondary equivalent. (If prerequisites were completed at the high school level, a high school transcript must be provided in addition to post-secondary transcripts); and
- A minimum of 65% UGPA on all post-secondary courses completed
- If transferring from another Nursing program, a minimum UGPA of 65% and a positive recommendation on the Clinical Reference form.

Applicants with the highest-grade point averages will be selected.

Additional Requirements

All successful applicants must provide the results of a criminal record check and vulnerable sector search, proof of completion of Standard First Aid, CPR Health Care Provider, and Transfer, Lifting

and Repositioning (Trademark TLR) courses, and an up-to-date immunization record prior to the commencement of the program.

English Language Proficiency (ELP) Requirements

The language of instruction at the University of Regina is English. All applicants to the University of Regina must demonstrate an appropriate level of proficiency in the English language. The following will be accepted as satisfactory evidence:

- Completion of grades 11 and 12 English, in sequence, as part of two full academic years, in a high school using a provincially- or state-accredited Canadian or U.S. curriculum or a grade of 80% OR
- A grade of 80% or better in a Grade 12 provincially-examined English course, as part of one full term of study.
- Applicants who are eligible to be considered for Adult 12 admission status must have completed the last three years of their formal education at an English-language school or present other evidence of proficiency in English).
- Successful completion of the English as a Second Language (ESL 050) program or a minimum average score of 55 on the ESL placement exam both offered through the Centre for Continuing Education at the University of Regina. For further information, please contact the English as a Second Language Office, University of Regina, Tel: 306-585-4585, Email: esl@uregina.ca
- Successful completion of at least 24 credit hours (University of Regina degree level equivalent) in an approved English-language post-secondary institution, including at least 6 credit hours in humanities or social science subjects and with a grade point average of 60.00% or equivalent.
- GCSE/IGCSE/GCE Ordinary Level English, English Language, or English as a Second Language with minimum grade of 'B' or GCE A/AS/AICE Level English or English Language with minimum grade of 'C'.

If you do not meet one of the above requirements, you will need to submit results for one of the following tests. Test results must be received by Registration Services at Saskatchewan Polytechnic, directly from the testing service.

- CanTEST: A minimum score of 4.5 in each of Listening, Reading and Writing and a 5.0 or higher in Speaking
- CAEL: A minimum score of 70 with a minimum sub-score of 70 in Speaking and minimum sub-scores of 60 in all other components
- IELTS: An overall band score of 7.0 with a 7.0 or higher in Speaking
- MELAB: A minimum score of 85 with a minimum sub-score of 3+ in Speaking
- TOEFL: Internet-based (iBt): A minimum overall score of 90 with minimum sub-scores of 20 in Reading and Writing, 26 in Speaking and 22 in Listening
- TOEFL: Paper-based: A minimum overall score of 580 with a minimum sub-score of 50 in each of Listening and Speaking, and a minimum score of 5.0 in each of Writing and Reading

Program overview

Saskatchewan Polytechnic and the University of Regina are collaborating on the delivery of the innovative Saskatchewan Collaborative Bachelor of Science in Nursing program.

As a student in this new program, you will be exposed to the most contemporary practices in nursing education, have the opportunity to learn about nursing first-hand during Year 1, and benefit from the combined strengths of two leading post-secondary institutions. You will acquire the theoretical knowledge, clinical practice and critical thinking skills needed to assess the patient's physical, psychological and spiritual needs to provide holistic, patient- and family-centered care within interprofessional health care teams.

Learning opportunities will occur through a variety of methods, including classroom instruction, small group discussion, videoconferencing, simulation learning, and clinical practice education.

The program has been approved by the Saskatchewan Registered Nurses' Association (SRNA), the professional regulatory body for nursing in the province. The SRNA granted preliminary approval of this program in February 2011. This is the highest approval available to a program until there are graduates from the program.

The Senate of the University of Regina approved the program leading to the degree of Bachelor of Science in Nursing (BScN) on June 9, 2010.

Note

This program is open for application from 8:00 a.m., October 1 to 4:30 p.m., February 15 (Saskatchewan time) each academic year. Official transcripts of all secondary and post-secondary grades must be submitted to Saskatchewan Polytechnic by March 1. Saskatchewan high school students must request a transcript to be electronically sent from the Ministry of Education to Saskatchewan Polytechnic by March 1 and at the end of the school year. The final official transcript must be submitted by August 1.

As well, more program and course details are available at our Saskatchewan Collaborative Bachelor of Science in Nursing site.

Career Opportunities

Graduates of the new program will be prepared with the knowledge and skills to work in a wide range of settings with a wide variety of professional groups. This includes work in community health where the focus is on health promotion and illness prevention, as well as in acute care hospitals and clinic settings where the focus is to cure illness, manage chronic disease and support people at the end of their lives.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

School of Transportation

Agricultural Equipment Technician
Certificate

Location

- Saskatoon

Start date

- August

Duration

- 35 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

Agricultural Equipment Technicians diagnose, repair, modify, overhaul, service and maintain some of today's most technologically advanced machines—tractors, combines, cultivators, seeders, sprayers. If you like working with ag equipment and troubleshooting mechanical problems, it's a great career choice.

You'll find your skills are in demand at leading equipment dealerships. You might work as a technician in a fully-equipped service centre or travel to farms and rural areas on service calls. You can also transfer your skills to other industries, such as mining and construction.

Agricultural Equipment Technician is a one-year certificate program offered at Saskatchewan Polytechnic Saskatoon campus. Get hands-on training in:

- air conditioning, heating and electrical
- engines, fuel systems, hydraulics, power trains
- gas and arc welding
- harvest, hay and forage equipment
- onboard computer and global positioning systems (GPS)
- precision farming
- seeding, tillage, sprayers and applicators
- shop procedures and safety
- tractor set-up and pre-delivery

This is Hands-On Learning

You'll spend most of your "classroom" time in the shop with Saskatchewan Polytechnic's highly trained instructors, learning how to assemble, service, repair, modify and overhaul a wide range of equipment. You'll round out your program with a two-week work experience in an agricultural dealership. It's a great opportunity to introduce yourself to a potential employer, while building your practical knowledge and skills.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Close Ties to Industry

Your program is designed with input from the provincial and national agricultural equipment industry. The industry also supports students by providing new, technologically advanced equipment while local dealerships supply used equipment for hands-on training. This means your knowledge and skills are up-to-date with real world needs.

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

Agricultural Equipment Technicians are in demand at equipment dealerships. There are also opportunities with large farming operations, custom combine companies and in short-line agricultural equipment vendors. Your skills are also transferable to other industries, including mining-manufacturing and construction.

For more information, contact Student Employment Services at the Saskatchewan Polytechnic campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

AIR 183	Air Conditioning and Heating
ELEC 296	Electrical Basics
ELEC 298	Electrical Starting and Charging Components
ELEC 299	Electrical System Diagnostics
ENGN 128	Engine Overhaul and Assessment
ENGN 129	Engine Overhaul and Assembly
ENGN 191	Engines Basics
ENGN 192	Engines Fuel Systems

EQPT 194	Seeding and Tillage Equipment
EQPT 196	Harvesting Equipment
EQPT 197	Hay and Forage Equipment
EQPT 198	Sprayers and Applicators
EQPT 199	Pre-Delivery and Performance
FMMT 100	Precision Farming Operations
HYDR 124	Introduction to Hydraulic Pumps and Valves
HYDR 125	Introduction to Hydraulic Flow Controls
JOBS 125	Essential Job Skills
MATH 169	Trade Mathematics
SHOP 124	Hand Tools and Shop Safety
SHOP 125	Machine Safety and Operation
TRNM 190	Primary Driveline Components, Belts and Chains
TRNM 191	Clutch Drive Systems
TRNM 192	Differentials and Final Drives
WLDR 158	Oxy Fuel Cutting (OFC) and Plasma Arc Cutting (PAC)
WLDR 159	ARC Welding (Shielded Metal Arc Welding)
WORK 191	Dealership Work Experience

Note: During your two-week work experience, you will experience how an agricultural dealership operates and will be able to start to apply the knowledge and skills you have acquired.

Auto Body Technician

Certificate

Location

- Regina
- Saskatoon

Start date

July - Saskatoon (domestic and international students)

August - Regina (two intakes - mixed domestic and international students) and Saskatoon (domestic students only)

January - Regina and Saskatoon (both international students only)

Duration

- 32 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

Information session: Join us for INSIGHT into Auto Body on June 7, 2023. Pre-registration is required.

Do you like working on cars? Want to get into the workforce quickly? Saskatchewan Polytechnic's Auto Body Technician program could be a great fit for you. The program prepares you for work in auto body shops, auto dealerships and private garages.

The job involves bending, standing and lifting heavy equipment. But it's also creative work—a good eye for colour and detail will ensure your skills are in demand.

Auto Body Technician is a one-year certificate program offered on campus in Saskatoon and in Regina.

Note: The Regina and Saskatoon winter (January) deliveries of this program is marketed almost exclusively to international students with a study permit, although it may be available to domestic students as well.

The program gives you a solid foundation in the knowledge and skills you'll need to work in motor vehicle body repair and refinishing. You'll get practical training in:

- basic and advanced metal work;
- basic and advanced painting;
- benchwork and safe working procedures;
- door servicing, glass installation and electrical systems;
- front sheet metal and plastic material repair;
- industry communications and math;
- welding.

Hands-On Learning

You'll learn from experienced instructors and get practical experience in Saskatchewan Polytechnic's well-equipped auto body shops. You'll hammer out dings, paint a vehicle, install a glass windshield, align a bumper and more. You'll also spend one week in an auto body repair shop getting a first-hand taste of the job.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

When you graduate, you'll be ready for entry-level positions in auto body repair shops, private garages, paint shops and large commercial fleets. Auto body techs are trained in a variety of tasks,

but you could find yourself specializing in painting, frame and wheel alignment, glass installation or body repair.

Go for your journeyperson's ticket as an auto body & collision technician and you'll find opportunities for supervisory positions and with appraisal centres. You could also start your own auto body repair business.

For more information, contact Student Employment Services at the Saskatchewan Polytechnic campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

BESK 120	Benchwork
DOOR 120	Door Servicing
ELEC 120	Electrical Systems
INDG 100	Introduction to Indigenous Studies
MATH 130	Industrial Mathematics
METL 108	Basic Metal Work Practical Application Theory
METL 109	Basic Metal Work 1 Practical
METL 110	Basic Metal Work 2 Practical
SFTY 126	Safe Working Procedures
SHME 120	Front Sheet Metal
WLDR 160	Welding 1
WLDR 161	Welding 2

Semester 2

COMM 127	Fundamental Communication Skills
GLAS 120	Glass Removal and Installation
METL 111	Advanced Metal Practical Application Theory
METL 112	Advanced Metal Work 1 Practical
METL 113	Advanced Metal Work 2 Practical
PLST 120	Plastic Material Repair
PNTG 100	Basic Painting 1
PNTG 101	Basic Painting 2
PNTG 102	Advanced Painting 1
PNTG 103	Advanced Painting 2
WORK 137	Industrial Attachment

Automotive Painter

Applied Certificate

Location

- Regina
- Saskatoon

Start date

Delivery is subject to needs assessment.

Duration

- 16 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

Do you like working on cars? Do you want to get into the workforce quickly? Saskatchewan Polytechnic's Automotive Painter program could be a great fit for you. The program prepares you to work in auto body shops, auto dealerships, and the manufacturing sector. The job involves a lot of movement and an eye for detail and colour. The ability to organize multiple tasks will make you a valuable asset in the workplace.

Hands-On Learning

You will learn from experienced instructors and get practical experience in Sask Polytech's well-equipped shops. You will dismantle and assemble vehicles, hammer out small dings, prepare, prime and refinish vehicle panels, and repair paint defects. You will also spend a week in an auto body shop testing your newly acquired skills.

Automotive Painting is a 16-week applied certificate that gives you a solid foundation in the knowledge and skills you will need to work in automotive painting.

For more information, email ConEd@saskpolytech.ca or call 306-659-4418.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

When you graduate, you'll be ready for entry-level positions in auto body repair shops, private garages, paint shops and large commercial fleets. Automotive painters don't just paint, they perform a variety of tasks when it comes to painting. You could find yourself specializing in painting, prepping, detailing, and troubleshooting defects.

Go for your journeyperson's ticket as an Automotive Painter and you'll find opportunities with paint manufacturers, and appraisal centres. You could also start your own auto body repair business.

For more information, contact Student Employment Services at the Sask Polytech campus nearest you.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

DOOR 120	Door Servicing
ELEC 120	Electrical Systems
INDG 100	Introduction to Indigenous Studies
JOBS 125	Essential Job Skills
MATH 112	Trade Math
METL 115	Basic Metal Theory
METL 116	Basic Metal Practical
PLST 120	Plastic Material Repair
PNTG 100	Basic Painting 1
PNTG 101	Basic Painting 2
SFTY 126	Safe Working Procedures
SHME 120	Front Sheet Metal
WORK 139	Automotive Painter Work Experience

Automotive Service Technician
Certificate

Location

- Moose Jaw
- Saskatoon

Start date

- September (Moose Jaw and Saskatoon); and January (Moose Jaw)

Duration

- 36 weeks

Admission requirements

- Grade 12
- English Language Requirement

Note

- Applicants should be physically mobile, capable of moderate lifting and have good manual dexterity.
- A valid driver's license is a requirement in order to operate and road test motor vehicles.

Program overview

If you enjoy working on cars and trucks, Saskatchewan Polytechnic's Automotive Service Technician program can fast-track you into a career. In less than a year, you could be working as a technician in an automotive shop, car and truck dealership, specialty shop, service station or transportation company.

You'll need good problem-solving skills, mechanical aptitude and manual dexterity. At the end of the program, you'll have transferable skills you can apply to other trades, including agricultural machinery technician, heavy duty equipment technician, truck and transport mechanic.

Automotive Service Technician is a one-year certificate program offered in Moose Jaw and Saskatoon. You'll learn how to diagnose, repair, service and maintain advanced mechanical and electrical systems in today's vehicles. Get practical, hands-on training in:

- body and trim
- brakes and chassis
- charging, ignition and starting systems
- clutches and drive lines
- electronics and electrical systems
- engine repair and rebuilding
- fuel and emission systems
- general shop procedures

Learn in Well-Equipped Shops

Learn from highly trained instructors in Saskatchewan Polytechnic's well-equipped automotive shops. You'll work on real vehicles donated by local dealers and other sources. You'll use industry-leading diagnostic and servicing equipment, including tools unique to specific manufacturers. By the time you graduate, you'll have the kind of practical, hands-on training and experience you will need.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

When you graduate, look for jobs as an apprentice technician in an automotive shop or service station, in the service or warranty department of vehicle dealerships, in engine machine shops and engine building plants. You could work for a public transit agency, a transportation company or a large company that maintains a fleet of vehicles.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

ATBD 100	Body Components, Accessories and Trim
BRAK 117	Braking Systems 1 (Non-ABS)
BRAK 118	Braking Systems 2 (Non-ABS)
BRAK 119	Braking Systems 3 (ABS)
COMM 127	Fundamental Communication Skills
DRTR 110	Driveline Systems
ELCT 106	Electrical Systems 1
ELCT 107	Electrical Systems 2
ELCT 108	Starting, Charging, Lighting and Wipers
ENGN 125	Engine Systems 1
ENGN 126	Engine Systems 2
ENGN 127	Engine Systems 3
FUEL 102	Introduction to Fuel and Ignition Systems
INDG 100	Introduction to Indigenous Studies
MAIN 108	Vehicle Inspection, Apprenticeship and Mentoring
MATH 169	Trade Mathematics
SAFE 103	Automotive Shop Safety
SHOP 109	Automotive Shop Fundamentals
STER 106	Steering and Suspension 1
STER 107	Steering and Suspension 2
TRNM 109	Final Drive Assemblies
TRNM 110	Clutches and Transmissions Part 1
TRNM 111	Clutches and Transmissions Part 2

Note: Classroom time will include demonstrations and shop work.

Commercial Pilot
Diploma

Location
- Saskatoon

Start date
Fall

Duration
- 76 weeks

Admission requirements
- Grade 12
- Category 1 Medical Certificate from a Transport Canada approved medical examiner; (it can take up to two months to receive this certificate; you may wish to plan your application to the program accordingly)
- English Language Requirement

Note

Physics 30, Pre-Calculus 20 and Foundations of Mathematics 30 are recommended

To obtain pilot licenses and ratings, students will be required to complete Transport Canada examinations and flight tests. Further, students may be required to demonstrate English language proficiency by means of a Transport Canada Formal Aviation Language Proficiency Demonstration (additional fees apply). If students do not successfully complete the required examinations, demonstrations, and flight tests within the hours allotted, they will be required to continue outside program hours and cover the extra cost or be involuntarily withdrawn from the program.

Students must pass all courses in a term to successfully complete the term. Students who fail or withdraw from one or more courses in a term may be prohibited from continuing in the program and be required to apply for re-admission. When students are permitted to continue in the program, it is their responsibility to present evidence of successful completion of the failed course(s) to Enrolment Services either before the end of the next term or before the credential is awarded, whichever condition is specified.

Applicants who possess a valid Private Pilot License - Aeroplane issued by Transport Canada at the time of application will be granted transfer credit for the following courses: FLGT 100, FLGT 101, FLGT 102, FLGT 103 and FLGT 104 for the next September intake. Applicants will be required to complete a Transfer Credit Request Form (pdf) and present a valid Aviation Document Booklet to the Program Head for verification after an application is received. Program entry will be delayed to November/December. The start date will be communicated by the Program Head. Tuition will be reduced as transferable course fees will not be charged and flight fees will be reduced by 70% accordingly. Please see the Tuition and Fees section for more information.

Program overview

Take to the skies with Saskatchewan Polytechnic's Commercial Pilot program. The growing aviation industry means qualified pilots are in demand—there's never been a better opportunity to build your career as a commercial pilot.

The Saskatchewan Polytechnic Commercial Pilot program is one of the most innovative, highly-respected programs in Canada, with excellent industry support and local carriers actively recruiting our students. When you graduate, you'll have your Commercial Pilot Licence with multi-engine instrument rating or single-engine instrument rating.

The Commercial Pilot diploma program provides a strong foundation in the basic principles of aviation. You'll alternate ground school training sessions at Saskatchewan Polytechnic, Saskatoon Campus, Koyl Ave. with actual flying experience at a Saskatchewan flight school, with advantages including low congestion and many hours of sunshine every year!

You'll learn about:

- theory of flight
- aircraft Engines, airframes, and systems
- electronic theory
- flight operations
- Canadian aviation regulations
- aviation business, cultural awareness, mathematics, physics and communication
- crew resource management and human factors
- meteorology
- navigation
- multi-Engine &; Instrument Flying

State-of-the-Art Flight Simulator

Saskatchewan Polytechnic's new ALSIM flight simulator puts you in the pilot's seat for take-off and landing at any airport in North America. Programmable real-life scenarios give you risk-free experience flying in all kinds of weather and dealing with emergencies and standard operating procedures. The simulator has multiple single- and multi-engine configurations.

Experience and Mentorship

Ground school classes are led by experienced instructors who know the aviation business. Your classes offer a unique opportunity to talk one-on-one with experienced pilots and other aviation professionals, getting an inside view on finding a job, building your career and developing your skills.

Diploma to Degree

Diploma graduates are eligible to take the Bachelor of Applied Management degree right here at Saskatchewan Polytechnic with only two years of additional study. Remote classes and part-time options are available.

Career Opportunities

Commercial aviation is expanding. There are job opportunities for qualified commercial pilots with charter and scheduled airlines, large corporations, courier companies, commuter airlines, flight schools, crop sprayers, aerial photography and survey companies, airline and airport administration and more. Your first job will probably be in a ground position with a smaller operator, where you'll be expected to demonstrate commitment and professionalism as you work your way into flying positions.

For more information about a career as a professional pilot, visit the Air Transport Association of Canada (ATAC) or Saskatchewan Aviation Council websites.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

Semester 1

FLGT 100	Private Pilot License Training 1
FLGT 101	Private Pilot License Training 2
FLGT 102	Solo and Dual Flying
FLGT 103	Ground School Theory and Application
FLGT 104	Instruments, Navigation, and Preparation for Flight Test
FLGT 105	Commercial Flight Training 1
FLGT 106	Solo Navigation 1

Semester 2

AVIA 181	Navigation
AVIA 182	Meteorology 1
AVIA 183	Flight Operations 1
AVIA 280	Canadian Aviation Regulations
CLTR 119	Indigenous Cultural Awareness
COMM 393	Communications 1
ENGN 180	Aircraft Engines and Instruments
MATH 389	Mathematics
PHYS 185	Physics

Work Term 1

WORK 136	Private Pilot Work Term

Semester 3

AVIA 180	Theory of Flight
AVIA 186	Meteorology 2
AVIA 192	Advanced Aircraft Types
AVIA 193	Flight Operations 2
BUS 183	Aviation Business
ELTR 183	Aircraft Electronics and Avionics
HUMR 187	Human Factors and Crew Resource Management
INST 186	Instrument Flying

Semester 4

FLGT 200	Commercial Flight Training 2
FLGT 201	Solo Navigation
FLGT 202	Commercial Pilot License
FLGT 203	Multi-Engine Rating

FLGT 204	Instrument Rating 1-Written Exam Preparation
FLGT 205	Instrument Rating 2
FLGT 206	Individual Aircraft Type Rating

Work Term 2

WORK 204	Commercial Pilot Work Term

Semester Dates are to be determined

Heavy Equipment and Truck and Transport

Applied Certificate

Location

- Saskatoon

Start date

No applied certificate courses currently scheduled

Duration

- 19 weeks

Admission requirements

- Grade 11 with one of the following mathematics: Foundations of Math 20, Pre-Calculus 20, Workplace and Apprenticeship Math 20 (Modified and General Math credits are not acceptable)
- English Language Requirement

Program overview

Maximize your career opportunities with the Heavy Equipment and Truck and Transport applied certificate program – you'll get training in two high-demand trades at once.

The 19-week program is all about practical learning. In addition to classroom learning, you'll get hands-on learning by working on different types of equipment. On the heavy duty equipment side, you could work on bulldozers, cranes, graders, loaders or earthmovers. On the truck and transport side, you could work on trucks, buses or highway transport vehicles.

Heavy Equipment and Truck and Transport grads are in high demand, with opportunities in urban, rural and remote areas. Boost your earning power and job opportunities even more by pursuing journeyperson's certification.

The Heavy Equipment and Truck and Transport applied certificate program is also delivered off-campus at regional colleges and through Skills Training programming.

For more information, email ConEd@saskpolytech.ca or call 306-659-4418.

Apprenticeship Credit

Applied certificate programs can give you a head-start on apprenticeship. To learn how to apply your academic credit toward Level 1 of the Heavy Duty Equipment Technician apprenticeship program, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

Successful completion of the Heavy Equipment and Truck and Transport applied certificate opens a lot of doors. Look for entry-level jobs with equipment dealerships or with companies in the construction, oil and gas, forestry, mining and transportation sectors.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

BRAK 113	Brake Systems Air Theory
BRAK 114	Brake Systems Air Shop
BRAK 115	Brake Systems Hydraulic Theory
BRAK 116	Brake Systems Hydraulic Shop
ELCT 102	Electrical Basics Theory
ELCT 103	Electrical Basics Shop
ENGN 130	Diesel Engines Theory
ENGN 131	Diesel Engines Shop
HVAC 101	Environmental Control Systems
HYDR 110	Hydraulic Basics Theory
HYDR 111	Hydraulic Basics Shop
INDG 100	Introduction to Indigenous Studies
JOBS 125	Essential Job Skills
MAIN 104	Structural Components Theory
MAIN 105	Structural Components Shop
MATH 169	Trade Mathematics
STER 102	Steering Systems Theory
STER 103	Steering Systems Shop
TOOL 154	Basic Tools Theory
TOOL 155	Basic Tools Shop
WORK 149	Work Experience

Heavy Equipment and Truck and Transport Technician
Certificate

Location

- Saskatoon

Start date

- September

Duration

- 35 weeks

Admission requirements

- Grade 11 with one of the following mathematics; Foundations of Math 20, Pre-Calculus 20, Workplace and Apprenticeship Math 20 (Modified and General Math credits are not acceptable)
- English Language Requirement

Program overview

The Heavy Equipment and Truck and Transport Technician program at Saskatchewan Polytechnic gives you basic training in two high-demand mechanical trades at once. Heavy duty equipment technicians work on large mobile equipment—bulldozers, cranes, graders, loaders and earthmovers used in construction, mining, forestry and more. Truck and transport mechanics work on trucks, buses and highway transport vehicles for dealers, garages and transportation companies.

Heavy Equipment and Truck and Transport Technician is a one-year certificate program offered in Saskatoon. Build the knowledge and skills you need to service, maintain, diagnose and repair heavy equipment, trucks, buses and transport vehicles. You'll get training in:

- air conditioning and heating systems
- brake, steering and suspension systems
- electrical and hydraulic systems
- engines, fuel systems and power trains
- equipment operation and maintenance
- trade math
- use of shop equipment and tools
- welding

60% Shop Time, 40% Class Time

You'll learn from highly qualified instructors in Saskatchewan Polytechnic's well-equipped heavy equipment shop facility at 135 English Crescent in Saskatoon. The industry is a big supporter of our students, which means you'll learn on advanced equipment. You'll also participate in an industry-based two-week work experience.

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

Saskatchewan Polytechnic graduates are in demand. When you graduate, you'll have the knowledge and skills you need to sell, operate, maintain and repair heavy equipment, trucks, buses and transport vehicles. Start your career in an equipment dealership, transportation company, public transit operation, service and rental company. There are also hands-on jobs in construction, forestry, mining and oil and gas industries, as well as opportunities to move into sales, marketing and management. You could also open your own business.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

BRAK 113	Brake Systems Air Theory
BRAK 114	Brake Systems Air Shop
BRAK 115	Brake Systems Hydraulic Theory
BRAK 116	Brake Systems Hydraulic Shop
DRTR 106	Drivetrain Introduction Theory
DRTR 107	Drivetrain Introduction Shop
DRTR 108	Drivetrain Intermediate Theory
DRTR 109	Drivetrain Intermediate Shop
ELCT 102	Electrical Basics Theory
ELCT 103	Electrical Basics Shop
ELCT 104	Electrical Starting and Charging Systems Theory
ELCT 105	Electrical Starting and Charging Systems Shop
ENGN 130	Diesel Engines Theory
ENGN 131	Diesel Engines Shop
HVAC 101	Environmental Control Systems
HYDR 110	Hydraulic Basics Theory

HYDR 111	Hydraulic Basics Shop
HYDR 112	Hydraulics Advanced Theory
HYDR 113	Hydraulics Advanced Shop
INDG 100	Introduction to Indigenous Studies
JOBS 125	Essential Job Skills
MAIN 104	Structural Components Theory
MAIN 105	Structural Components Shop
MAIN 106	Tracks and Undercarriage Theory
MAIN 107	Tracks and Undercarriage Shop
MATH 169	Trade Mathematics
STER 102	Steering Systems Theory
STER 103	Steering Systems Shop
STER 104	Steering and Directional Control Systems Theory
STER 105	Steering and Directional Control Systems Shop
TOOL 154	Basic Tools Theory
TOOL 155	Basic Tools Shop
TRLR 100	Truck and Trailer Systems Theory
TRLR 101	Truck and Trailer Systems Shop
TRLR 102	HVAC and Auxiliary Power Systems Theory
TRLR 103	HVAC and Auxiliary Power Systems Shop
WLDR 158	Oxy Fuel Cutting (OFC) and Plasma Arc Cutting (PAC)
WLDR 159	ARC Welding (Shielded Metal Arc Welding)
WORK 149	Work Experience

Parts Management Technician

Certificate

Location

- Online/Distance
- Regina
- Saskatoon

Start date

September - April (Saskatoon)

January - April and September - December (Regina)

- Day and evening offerings are available for the Regina winter intake.

Duration

- 32 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

Parts management technicians ensure that the right parts are available in the right place, at the right time. You'll have to enjoy variety, be good at organizing things, be able to handle large volumes of information, as well as have good customer service and computer skills.

The Parts Management Technician program at Saskatchewan Polytechnic provides the skills you need to work in wholesale distribution centres and in automotive, truck, agricultural, industrial equipment and recreational equipment dealerships.

Saskatchewan Polytechnic's one-year Parts Management Technician certificate program is offered on campus in Regina and Saskatoon. The entire program is also offered online through distance learning. Combining classroom theory with practical assignments and labs, you'll learn how to serve different customers, dispense parts and sell related goods. You'll get practical training in:

- how to identify all types of parts
- part applications, locations and functions
- creating and maintaining a clean, orderly display and storage area
- pre-determining inventory levels and how to effectively maintain them
- using a computerized inventory control system
- using parts manuals, catalogues, and electronic catalogues
- product purchasing and safe storage
- inventory control practices
- warehouse operation and layout
- material handling

Apprenticeship Credit

With this Saskatchewan Polytechnic credential, you may be eligible for credit towards apprenticeship training. To learn more, contact the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

Trade to Degree

The Bachelor of Applied Management (BAMgt) degree provides journeypersons the unique opportunity to leverage existing education and experience into a bachelor's degree with two years of additional study. Part-time and remote options are available.

Career Opportunities

When you graduate from Saskatchewan Polytechnic's certificate program, you'll be ready to work as a parts or warehouse person in automotive, truck, agricultural, industrial or recreational dealerships, in wholesale distribution centres and for industrial suppliers. There are jobs at mine sites, mills, warehouses, government departments, hospitals, even the armed forces. You could also work as a service writer, inventory control clerk, purchasing clerk, shipper and receiver.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

COAP 194	Inventory Software
MATE 190	Materials Handling and Equipment
MGMT 189	Managerial Skills
PART 178	Parts Workplace Skills
PART 179	Parts Marketing Essentials
PART 191	Introduction to the Parts and Warehousing Trades
PART 192	Tools and Measuring
PART 193	Engine Systems 1
PART 194	Parts Information Systems
PART 195	Electrical Parts 1
PART 196	Parts Facilities
PART 197	Parts Documentation
PART 198	Parts Warehousing
PART 199	Inventory Audit
PART 287	Hydraulic Parts
PART 288	Engine Parts 1
PART 289	Vehicle System Parts
PART 291	Drivetrain Components
PART 292	Standard Inventory
PART 293	Engine Systems 2
PART 294	Automotive and Truck Wholegoods
PART 295	Electrical Parts 2
PART 296	Agricultural and Industrial Wholegoods
PART 298	Engine Parts 2
PART 299	Inventory Control
WORK 198	Work Experience

Parts Person
Applied Certificate

Location

- Saskatoon

Start date

- Varies

For more information contact programinnovation@saskpolytech.ca or call 306-659-4358.

Duration

- 14 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

Parts Person is an applied certificate program. Your studies will focus on providing customer service at the parts counter, dispensing parts to a dealership's service department and selling related products and whole goods.

Career Opportunities

Graduates are prepared for entry level positions in the parts trade. They can find employment in a wide variety of parts operations in different types of businesses, including automotive, heavy truck, agricultural, industrial, aftermarket parts, recreational supplies, and warehousing operations.

Trade time and academic credit may be available for graduates who find employment in the trade and register as apprentices. Saskatchewan Apprenticeship and Trade Certification Commission (SATCC) for further information.

Do you need help deciding if these careers could be a good fit for you? Contact Career Counselling Services.

Do you already know this is the program you want to take but need more detailed information or help applying? Connect with a Recruitment Advisor.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

COAP 194	Inventory Software
MATE 190	Materials Handling and Equipment
PART 178	Parts Workplace Skills
PART 191	Introduction to the Parts and Warehousing Trades
PART 192	Tools and Measuring
PART 194	Parts Information Systems
PART 195	Electrical Parts 1
PART 197	Parts Documentation
PART 198	Parts Warehousing
PART 288	Engine Parts 1
PART 289	Vehicle System Parts
PART 291	Drivetrain Components

Warehouse Worker

Certificate of Achievement

Location

- Online/Distance

Start date

- Varies

September until December

January until April

For more information about custom offerings of this program, contact:

David Mervold, Program Head, Phone: (306) 659-4869, Email: mervoldd@saskpolytech.ca

Duration

- 8 weeks

Admission requirements

- Grade 10
- English Language Requirement

Program overview

The Warehouse Worker certificate of achievement program consists of six self-paced, online courses. It will provide you with the knowledge, and skill development, needed for entry level employment into the warehousing industry.

Additionally, this program can serve as the first step toward training in Parts Management Technician certificate program.

Career Opportunities

Graduates are prepared for entry level positions as shippers or receivers in warehouses or parts departments.

Transfer credit

Saskatchewan Polytechnic accepts credits from many other colleges and universities and a long list of colleges and universities accept Saskatchewan Polytechnic credits towards their diplomas and degrees. Visit the program homepage at https://saskpolytech.ca/admissions/get-credit/transfer-credit-to-sask-polytech.aspx for more information on transfer credit.

Courses

MATE 190	Materials Handling and Equipment
PART 178	Parts Workplace Skills
PART 191	Introduction to the Parts and Warehousing Trades
PART 192	Tools and Measuring
PART 197	Parts Documentation
PART 198	Parts Warehousing

Course Descriptions A

ACAD 2000 An Introduction to Academic Integrity

Credit Units: 0.0 Course Hours: 6.0

You will develop your awareness of academic integrity at Saskatchewan Polytechnic. You will discover how completing your education with integrity can impact your future career. You will also identify how cultural perspectives, policy awareness, and personal factors can influence academic integrity behaviour. You will learn about the academic integrity policies and procedures outlined in Saskatchewan Polytechnic's Student Code of Conduct Academic. You will apply this code of conduct in a variety of integrity situations. You will also identify supports and strategies that can help you maintain academic integrity throughout your studies at Saskatchewan Polytechnic.

ACAD 3000 An Introduction to Academic Integrity

Credit Units: 0.0 Course Hours: 6.0

You will develop your awareness of academic integrity at Saskatchewan Polytechnic. You will discover how completing your education with integrity can impact your future career. You will also identify how cultural perspectives, policy awareness, and personal factors can influence academic integrity behaviour. You will learn about the academic integrity policies and procedures outlined in Saskatchewan Polytechnic's Student Code of Conduct Academic. You will apply this code of conduct in a variety of integrity situations. You will also identify supports and strategies that can help you maintain academic integrity throughout your studies at Saskatchewan Polytechnic.

ACCT 105 Accounting

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ACCT 122

You will journalize and post transactions, prepare worksheets, prepare adjusting and closing entries, prepare unaudited financial statements, perform banking and petty cash functions, and prepare employee and employer payroll records.

ACCT 105CE Accounting

Credit Units: 4.0 Course Hours: 64.0

Equivalent Course(s): ACCT 105

You will journalize and post transactions, prepare worksheets, prepare adjusting and closing entries, prepare unaudited financial statements, perform banking and petty cash functions, and prepare employee and employer payroll records.

ACCT 122 Introductory Financial Accounting 1

Credit Units: 5.0 Course Hours: 75.0

Equivalent Course(s): ACCT 140, ACP 110

Your studies will focus on an introduction to financial accounting designed to provide you with accounting skills to handle business transactions. The course will include bookkeeping techniques, accounting for a merchandising concern and control over cash and receivables. ACCT 122 is a companion to ACCT 125 (Introductory Financial Accounting 2) which continues the study of basic financial accounting.

ACCT 122CE Introductory Financial Accounting 1

Credit Units: 6.0 Course Hours: 96.0

Equivalent Course(s): ACCT 122

Your studies will focus on an introduction to financial accounting designed to provide you with accounting skills to handle business transactions. The course will include bookkeeping techniques, accounting for a merchandising concern and control over cash and receivables. ACCT 122 is a companion to ACCT 125 (Introductory Financial Accounting 2) which continues the study of basic financial accounting.

ACCT 125 Introductory Financial Accounting 2

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): ACCT 122

Equivalent Course(s): ACCT 141, ACP 110

Your studies will focus on an introduction to financial accounting building on the skills you earned in ACCT 122 (Introductory Financial Accounting 1). Your studies include these topics: accounting for property, plant and equipment assets, current and non-current liabilities, partnerships, corporations, and accounting for payroll. In addition, you will learn to prepare a cash flow statement, perform ratio analysis, and explore ethical issues.

ACCT 125CE Introductory Financial Accounting 2

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): ACCT 122

Equivalent Course(s): ACCT 125

Your studies will focus on an introduction to financial accounting building on the skills you earned in ACCT 122 (Introductory Financial Accounting 1). Your studies include these topics: accounting for property, plant and equipment assets, current and non-current liabilities, partnerships, corporations, and accounting for payroll. In addition, you will learn to prepare a cash flow statement, perform ratio analysis, and explore ethical issues.

ACCT 136 Automated Accounting

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ACCT 105 or ACCT 122

Equivalent Course(s): COAP 137

Using an automated accounting software package, you will learn how to enter transactions into journals (general, purchase, payments, sales, cash receipts and payroll) and ledgers (general, accounts receivable, accounts payable and payroll), learn to account for inventory, and learn to prepare banking records. You will also prepare the initial automated accounting setup for use by a company.

ACCT 136CE Automated Accounting

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): ACCT 105 or ACCT 122

Using an automated accounting software package, you will learn how to enter transactions into journals (general, purchase, payments, sales, cash receipts and payroll) and ledgers (general, accounts receivable, accounts payable and payroll), learn to account for inventory, and learn to prepare banking records. You will also prepare the initial automated accounting setup for use by a company.

ACCT 1500 Accounting Bridging

Credit Units: 0.0 Course Hours: 100.0

Accounting Bridging is a 100 hour non credit preparatory course to Accounting 30 that introduces how businesses record transactions produce accurate financial information regarding income, expenditures, and property. The course explains the language of business and introduces the accounting cycle for a service firm.

ACCT 170 Financial Accounting

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ACCT 122, ACCT 191, BKPG 180

You will learn how to apply accounting principles for non-profit organizations and service industries. The bookkeeping cycle (journal, ledger, trial balance and financial statements) for a service firm will be emphasized.

ACCT 191 Accounting

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ACCT 122, BUS 182

You will be introduced to fundamental accounting concepts used in business. You will learn to appreciate the value of information presented in an organization's financial statements and will acquire and practice basic bookkeeping and financial statement preparation skills.

ACCT 200 Managerial Accounting

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 170

Equivalent Course(s): BKPG 181

You will focus on the accounting cycle for municipal organizations and/or a not-for-profit. This includes some financial analysis, budgeting for operating revenues and expenses. Reading income statements and analyzing balance sheets will be emphasized.

ACCT 201 Accounting

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ACCT 122

You will be introduced to fundamental accounting concepts used in business. You will learn to appreciate the value of information presented in an organization’s financial statements and will acquire and practice basic bookkeeping and financial statement preparation skills.

ACCT 202 Organizational Accounting

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to fundamental accounting concepts used in the public sector, municipalities, and non-profit organizations. You will learn the value of information presented in an organization's financial statements and examine cost concepts, allocations, and budgeting processes to direct the decision-making of these types of organizations.

ACCT 203 Introductory Municipal Accounting and Finance

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 125

Your studies will focus on an introduction to municipal accounting and finance practices including an overview of the acts and organizations that guide these practices. The course will include governmental reporting procedures and provincial accounting practices. You will learn how to prepare financial statements, prepare budgets, and audit reports.

ACCT 204 Municipal Accounting and Finance

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 203

Your studies will focus on municipal accounting and finance. The course will include taxation rules, tax rolls, tax bylaws, and governance. You will learn how to identify revenue streams as well as apply internal control procedures.

ACCT 205 Asset Management

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ACCT 125

Your studies will focus on an introduction to asset management at the municipal level. You will learn how to prepare municipal capital asset continuity schedules, record capital projects, apply asset management concepts, determine capital replacement plans, identify capital funding, learn how to apply for capital funding, and explore insurance and valuation of assets.

ACCT 215 Intermediate Financial Accounting 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ACCT 125

You will complete an in-depth study of generally accepted accounting principles as applied to accounting for current assets. You will also learn about revenue recognition concepts applicable to both private and publicly accountable enterprises. Both International Financial Reporting Standards (IFRS) and Accounting Standards for Private Enterprises (ASPE) are considered as accounting standards.

ACCT 216 Intermediate Financial Accounting 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ACCT 125

You will complete an in-depth study of generally accepted accounting principles as applied to accounting for capital assets, and temporary and long-term investments. Both International Financial Reporting Standards (IFRS) and Accounting Standards for Private Enterprises (ASPE) are considered as accounting standards.

ACCT 217 Intermediate Financial Accounting 3

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ACCT 125

You will continue your study of financial accounting begun in ACCT 215 and ACCT 216. Your studies will include current and long-term liabilities, shareholders' equity, derivative and hybrid instruments, share-based compensation, and earnings per share. Both International Financial Report Standards (IFRS) and Accounting Standards for Private Enterprises (ASPE) are considered as accounting standards.

ACCT 218 Intermediate Financial Accounting 4

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 125

You will continue your study of financial accounting begun in ACCT 215 and ACCT 216. Your studies will include accounting for corporate income taxes and pensions, leases, changes in policy, estimates and correction of errors, and preparing the statement of cash flows. Both International Financial Report Standards (IFRS) and Accounting Standards for Private Enterprises (ASPE) are considered as accounting standards.

ACCT 219 Management Information Systems

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ACCT 125

You will study fundamental concepts of management information systems including business processes, data organization, integrity, ethics, privacy, security and internal controls, telecommunications, e-commerce, Enterprise Resource Planning (ERP) systems, business analytics, system development life cycle, hardware and software components, and emerging issues (including artificial intelligence).

ACCT 220 Intermediate Accounting 1

Credit Units: 7.0 Course Hours: 112.0

Prerequisite(s): ACCT 125

Equivalent Course(s): ACP 212

You will complete an in-depth study of generally accepted accounting principles as applied to accounting for current assets, capital assets, temporary and long-term investments. Both International Financial Reporting Standards (IFRS) and Accounting Standards for Private Enterprises (ASPE) are considered as accounting standards.

ACCT 220CE Intermediate Accounting 1

Credit Units: 7.0 Course Hours: n/a

Prerequisite(s): ACCT 125

You will complete an in-depth study of generally accepted accounting principles as applied to accounting for current assets, capital assets, temporary and long-term investments. Both International Financial Reporting Standards (IFRS) and Accounting Standards for Private Enterprises (ASPE) are considered as accounting standards.

ACCT 221 Intermediate Accounting 2

Credit Units: 7.0 Course Hours: 112.0

Prerequisite(s): ACCT 220

Equivalent Course(s): ACP 313

You will continue your studies of financial accounting begun in ACCT 220. Your studies will include current and long-term liabilities, shareholders' equity, derivative and hybrid instruments, share-based compensation, earnings per share, accounting for corporate income taxes and pensions, leases, changes in policy, estimates and correction of errors, and preparing the statement of cash flows. Both International Financial Reporting Standards (IFRS) and Accounting Standards for Private Enterprises (ASPE) are considered as accounting standards.

ACCT 221CE Intermediate Accounting 2

Credit Units: 7.0 Course Hours: n/a

Prerequisite(s): ACCT 220

You will continue your studies of financial accounting begun in ACCT 220. Your studies will include current and long-term liabilities, shareholders' equity, derivative and hybrid instruments, share-based compensation, earnings per share, accounting for corporate income taxes and pensions, leases, changes in policy, estimates and correction of errors, and preparing the statement of cash flows. Both International Financial Reporting Standards (IFRS) and Accounting Standards for Private Enterprises (ASPE) are considered as accounting standards.

ACCT 225 Managerial Accounting

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): ACCT 122

Your studies will provide an introduction to the fundamentals of managerial accounting. You will use cost concepts, manufacturing accounting, cost allocation and budgeting processes, and you will be able to employ appropriate managerial accounting techniques for decision making.

ACCT 225CE Managerial Accounting

Credit Units: 5.0 Course Hours: n/a

Prerequisite(s): ACCT 122

Your studies will provide an introduction to the fundamentals of managerial accounting. You will use cost concepts, manufacturing accounting, cost allocation and budgeting processes, and you will be able to employ appropriate managerial accounting techniques for decision making.

ACCT 226 Cost Accounting 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ACCT 125

Equivalent Course(s): ACP 221

You will study introductory concepts of cost accounting theory and practice. You will focus on the differences between cost accounting and financial accounting, various cost accounting terms, an introduction to costing systems, and responsibility accounting using master and flexible budgets.

ACCT 226CE Cost Accounting 1

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): ACCT 125

Equivalent Course(s): ACCT 226

You will study introductory concepts of cost accounting theory and practice. You will focus on the differences between cost accounting and financial accounting, various cost accounting terms, an introduction to costing systems, and responsibility accounting using master and flexible budgets.

ACCT 227 Cost Accounting 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ACCT 226

Equivalent Course(s): ACP 322

Your studies will be a continuation of Cost Accounting 1 (ACCT 226). You will study non-routine decision making, cost allocation theory and methods, process costing, hybrid costing systems, inventory management and sales and input variances.

ACCT 227CE Cost Accounting 2

Credit Units: 5.0 Course Hours: n/a

Prerequisite(s): ACCT 226

Your studies will be a continuation of Cost Accounting 1 (ACCT 226). You will study non-routine decision making, cost allocation theory and methods, process costing, hybrid costing systems, inventory management and sales and input variances.

ACCT 236 Accounting Information Systems

Credit Units: 4.0 Course Hours: 64.0

Prerequisite(s): ACCT 125

Equivalent Course(s): ACP 451

You will study the necessary theory and tools for understanding, analyzing, and designing computer-based accounting information systems at the introductory level. You will study the theory and participate in practical applications that support your studies as an accounting student. The course includes an introduction to the field of electronic commerce.

ACCT 236CE Accounting Information Systems

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): ACCT 125

You will study the necessary theory and tools for understanding, analyzing, and designing computer-based accounting information systems at the introductory level. You will study the theory and participate in practical applications that support your studies as an accounting student. The course includes an introduction to the field of electronic commerce.

ACCT 30 Accounting 30

Credit Units: 1.0 Course Hours: 80.0

The Accounting 30 course focuses on various aspects of management accounting including an examination of costs, budgeting and financial statement analysis. Other topics covered are asset analysis and the use of a computer software package for accounting activities of a service business.

ACCT 300 Accounting for Managers

Credit Units: 3.0 Course Hours: 45.0

In your studies, you will gain the required knowledge of accounting and finance to perform your role as a manager. Your studies will include an introduction to essential accounting concepts and the development and interpretation of financial statements. You will also learn how to prepare operating and capital budgets, and how to compare budgeted and actual results throughout the organization's fiscal year.

ACCT 600 Introductory Financial Accounting 1

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on an introduction to financial accounting designed to provide you with accounting skills to handle business transactions. The course will include bookkeeping techniques, accounting for a merchandising concern, control over cash and receivables, and accounting for payroll.

ACCT 601 Introductory Financial Accounting 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 600*

Your studies will focus on an introduction to financial accounting building on the skills you learned in ACCT 122 (Introductory Financial Accounting 1). Your studies include these topics: accounting for property, plant and equipment assets, current and non-current liabilities, partnerships, and corporations. In addition, you will learn to prepare a cash flow statement and perform ratio analysis.

ACCT 602 Intermediate Accounting 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 601

You will complete an in-depth study of generally accepted accounting principles as applied to accounting for current assets, capital assets, temporary and long-term investments. Both International Financial Reporting Standards (IFRS) and Accounting Standards for Private Enterprises (ASPE) are considered as accounting standards.

ACCT 603 Intermediate Accounting 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 602

You will continue your studies of financial accounting begun in ACCT 602. Your studies will include current and long-term liabilities, shareholders' equity, derivative and hybrid instruments, share-based compensation, earnings per share, accounting for corporate income taxes and pensions, leases, changes in policy, estimates and correction of errors, and preparing the statement of cash flows. Both International Financial Reporting Standards (IFRS) and Accounting Standards for Private Enterprises (ASPE) are considered as accounting standards.

ACCT 604 Cost Accounting 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 601

You will study introductory concepts of cost accounting theory and practice. You will focus on the differences between cost accounting and financial accounting, various cost accounting terms, an introduction to costing systems and responsibility accounting using master and flexible budgets.

ACCT 605 Accounting for Managers

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MGMT 127

You will gain the required knowledge of accounting and finance to perform your role as a manager. Your studies will include an introduction to essential accounting concepts, the development and analysis of financial statements, profit planning to aid management decisions, management of working capital, preparation of sales and cash budgets, and calculation of time value of money.

ADMN 103 Strategies for Dealing with Difficult Clients

Credit Units: 1.0 Course Hours: 15.0

You will develop specific skills for interacting with difficult clients. Content will include strategies for dealing with resistant clients and strategies to defuse hostile situations.

ADMN 103CE Strategies for Dealing with Difficult Clients

Credit Units: 1.0 Course Hours: n/a

You will develop specific skills for interacting with difficult clients. Content will include strategies for dealing with resistant clients and strategies to defuse hostile situations.

ADMN 108 Contract Administration: Ethics, Law and Documents

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to the roles and responsibilities of people involved in construction projects, considering professional ethics, liability, safety and contractual responsibility. You will explore the basic principles of construction documentation as defined by Construction Specifications Canada Principles of Construction Documentation.

ADMN 109 Contract Administration: Estimating

Credit Units: 1.0 Course Hours: 15.0

You will learn the fundamental procedures used to estimate costs of construction. You will learn the skills required to prepare an estimate.

ADMN 201 Fund Development and Partnerships

Credit Units: 3.0 Course Hours: 45.0

You will study the various forms of fund development practices in the recreation, community development and tourism industry. You will learn how to seek corporate sponsorship, write funding applications and understand the importance of establishing and nurturing partnerships.

ADMN 204 Administrative Skills for Early Childhood Educators

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 181 or PRAC 105

Equivalent Course(s): ADMN 208, ADMN 249

You will be introduced to the administrative knowledge and skills that are useful as an Early Childhood Educator. You will study the operating structure of early childhood programs, policies and procedures and Saskatchewan Child Care Regulations. You will become familiar with regulations that govern First Nations early childhood programs. You will develop skills in using program evaluation tools, managing money and accurate recordkeeping. You will become familiar with the rights and responsibilities for employees within the Saskatchewan Employment Act.

ADMN 204CE Administrative Skills for Early Childhood Educators

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 181 or PRAC 105

You will be introduced to the administrative knowledge and skills that are useful as an Early Childhood Educator. You will study the operating structure of early childhood programs, policies and procedures and Saskatchewan Child Care Regulations. You will become familiar with regulations that govern First Nations early childhood programs. You will develop skills in using program evaluation tools, managing money and accurate recordkeeping. You will become familiar with the rights and responsibilities for employees within the Saskatchewan Employment Act.

ADMN 206 Leadership Development

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): MGMT 124

Through obtaining an understanding of organizational and personal leadership principles and practices, you will develop your own philosophies about leading and following in the workplace. Additionally, you will have the opportunity to pursue your own leadership development through self-reflection and the development of a leadership development action plan. Key topics include: strengths-based leadership, leadership ethics, embracing diversity and inclusion, developing core leadership skills, developing others, and empowering followers.

ADMN 206CE Leadership Development

Credit Units: 4.0 Course Hours: n/a

Through obtaining an understanding of organizational and personal leadership principles and practices, you will develop your own philosophies about leading and following in the workplace. Additionally, you will have the opportunity to pursue your own leadership development through self-reflection and the development of a leadership development action plan. Key topics include: strengths-based leadership, leadership ethics, embracing diversity and inclusion, developing core leadership skills, developing others, and empowering followers.

ADMN 207 Essential Career Skills Development

Credit Units: 2.0 Course Hours: 32.0

You will identify and develop the knowledge, skills and behaviours appropriate for conducting a successful employment search. You will discover your qualifications and how to promote yourself to employers.

ADMN 208 Introduction to Administration of Early Childhood Education

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

Equivalent Course(s): ADMN 204

You will be introduced to the administrative knowledge and skills that are useful for early learning and care programs. You will study operating structures, policies, and procedures related to the administration of early learning and childcare programs, including indigenous early learning and childcare programs. You will develop skills in using program evaluation tools.

ADMN 209 Organizational Change

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): HR 236

You will develop strategies and processes related to creating and fostering an evolving workplace culture that supports innovation, change, quality and learning and results in harmony between the organization's needs and employee's expectations while remaining consistent with the organization's business plan in a competitive and changing environment. The course content emphasizes the importance of implementing change in the proper sequence of events and interactions.

ADMN 211 Contract Administration: Construction Contracts and Regulations

Credit Units: 2.0 Course Hours: 30.0

You will learn the fundamentals of construction contract administration. You will learn about the documents and procedures used to manage construction projects as defined by Construction Specifications Canada Construction Contract Administration.

ADMN 212 Contract Administration: Cost Management and Accounting

Credit Units: 1.0 Course Hours: 15.0

You will learn the fundamental skills required to control costs within a construction project. You will also learn the basic principles of construction accounting.

ADMN 213 Introduction to Municipal Administration

Credit Units: 3.0 Course Hours: 45.0

You will learn the foundations of how local governments make decisions by examining how a mayor, council, and administration interact to create municipal public policy. In this class, you will examine decision making tools used to determine best practice when addressing routine and extraordinary municipal challenges. You will learn efficient management of human resources. You will examine the importance of provincial and federal government cooperation in municipal initiatives.

ADMN 220 Organizational Behaviour

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): BUS 182

You will study human behaviour in organizations and develop the skills needed to deal with people at work. Your studies include content on individual behaviour, values, interpersonal relationships and communications, groups and team dynamics, organizational culture, leadership, and change. You will study these aspects of human behavior within the context of diverse formal organizations.

ADMN 220CE Organizational Behaviour

Credit Units: 4.0 Course Hours: n/a

You will study human behaviour in organizations and develop the skills needed to deal with people at work. Your studies include content on individual behaviour, values, interpersonal relationships and communications, groups and team dynamics, organizational culture, leadership, and change. You will study these aspects of human behavior within the context of diverse formal organizations.

ADMN 224 Entrepreneurship

Credit Units: 4.0 Course Hours: 60.0

You will develop an understanding of entrepreneurial practice and the entrepreneurial mindset, as well as apply frameworks for ideation and innovation. Through the use of the Business Model Canvas, you will transform a small business opportunity into a feasible business model. You will then synthesize your knowledge and experience in a variety of management disciplines to prepare and present a comprehensive business plan.

ADMN 224CE Entrepreneurship

Credit Units: 5.0 Course Hours: n/a

You will develop an understanding of entrepreneurial practice and the entrepreneurial mindset, as well as apply frameworks for ideation and innovation. Through the use of the Business Model Canvas, you will transform a small business opportunity into a feasible business model. You will then synthesize your knowledge and experience in a variety of management disciplines to prepare and present a comprehensive business plan.

ADMN 255 Conflict Management

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): DRCP 221

Your studies will focus on an introduction to conflict resolution, designed to provide you with interest-based conflict resolution models and primary interpersonal skills to handle workplace conflicts. This course is designed not only as an introduction to developing skills in managing conflict, but also providing organizational leaders with skills to manage conflict. You will obtain insights and be educated in conflict theory, negotiation strategy, needs grounding related to basic interpersonal communication and management skills, such as rapport building, empathetic listening, behaviour modeling, reframing, problem solving and decision making.

ADMN 255CE Conflict Management

Credit Units: 4.0 Course Hours: n/a

Your studies will focus on an introduction to conflict resolution, designed to provide you with interest-based conflict resolution models and primary interpersonal skills to handle workplace conflicts. This course is designed not only as an introduction to developing skills in managing conflict, but also providing organizational leaders with skills to manage conflict. You will obtain insights and be educated in conflict theory, negotiation strategy, needs grounding related to basic interpersonal communication and management skills, such as rapport building, empathetic listening, behaviour modeling, reframing, problem solving and decision making.

ADMN 258 Project Management and Estimating

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MGMT 214, MKTG 228

You will be introduced to processes, guidelines, and best practices used in project management. You will learn and practice effective project management skills through real-world activities, focusing on project outcomes in addition to deliverables. You will use tools, techniques, and software commonly used for project management. The course focuses on all aspects of a construction project from initiation through project completion and reflects a range of development approaches.

ADMN 286 Administration

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 385

You will receive an overview of the governance, organizational structures, funding mechanisms, and operations of human services agencies. You will learn the legal and employment considerations for clients, workers, and employers in human services. You will learn the principles of volunteer management and the process of writing effective proposals.

ADMN 286CE Administration

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 385

You will receive an overview of the governance, organizational structures, funding mechanisms, and operations of human services agencies. You will learn the legal and employment considerations for clients, workers, and employers in human services. You will learn the principles of volunteer management and the process of writing effective proposals.

ADMN 288 Industrial Administration and Plant Management

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENGP 297

You will study the factors and legislation governing plant design. You will study the engineering and administration involved in plant construction or modifications. Your studies will include management techniques related to personnel, planning, plant maintenance and safety programs.

ADMN 302 Construction Accounting and Finance

Credit Units: 3.0 Course Hours: 45.0

You will apply typical business knowledge and skills to the financial management of a construction project.

ADMN 303 Organizational Behaviour

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ADMN 300

You will study human behaviour in organizations and develop the skills needed to lead people in the workplace. This course emphasizes the application of basic organizational behavior concepts and processes. The course content includes individual behaviour, values, interpersonal relationships, performance management, leadership, power, team dynamics, organizational culture, and change. Your studies of human organizational behaviour will focus on improving organizational commitment, job performance and leading through change.

ADMN 400 Entrepreneurship

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 300, HR 300, MKTG 300

You will develop an understanding of the entrepreneurial mindset and frameworks used to solve problems through innovation. Additionally, you will utilize the Business Model Canvas to synthesize your knowledge and experience in a variety of management disciplines to prepare and pitch a comprehensive business plan for a new venture.

ADMN 600 Organizational Behaviour

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MGMT 126

You will study human behavior in organizations and develop the skills needed to deal with people at work. The course content includes individual behavior, values, interpersonal relationships, groups and team dynamics, and organizational culture. Your studies of human organizational behavior will focus on diverse formal organizations.

ADMN 601 Introduction to Procurement

Credit Units: 3.0 Course Hours: 45.0

You will study the key concepts of purchasing for supply chain management. You will study the acquisition and sale of goods, services, materials, the purchasing cycle, and the integration and alignment of the purchasing function with an organizational strategy. Your studies will include forecasting and statistical analysis, a comparative analysis of centralized purchasing strategies, identification of best practices, and purchasing tools and techniques.

ADMN 602 Strategic Procurement

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ADMN 601

You will examine the strategic importance of procurement on the competitive success and profitability of a modern organization. You will use spend analytics to determine the cost of ownership, manage supplier relationships, and determine the cost of maintaining these relationships. You will develop approaches to analyze an organization's contract management and category management strategies.

ADTG 220 Auditing

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ACCT 125

Equivalent Course(s): ACP 430

Your studies will include an introduction to auditing, its objectives and reports, the types of evidence and documentations required, the study of internal control, and audit sampling. You will study the processes of the audit of revenue and collections and acquisitions and expenditures.

ADTG 220CE Auditing

Credit Units: 5.0 Course Hours: n/a

Prerequisite(s): ACCT 125

Your studies will include an introduction to auditing, its objectives and reports, the types of evidence and documentations required, the study of internal control, and audit sampling. You will study the processes of the audit of revenue and collections and acquisitions and expenditures.

ADTG 600 Auditing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 601

Your studies will include an introduction to auditing, its objectives and reports, the types of evidence and documentations required, the study of internal control, and audit sampling. You will study the processes of the audit of revenue and collections and acquisitions and expenditures. You will acquire these skills through your participation in a combination of classroom instruction, independent learning and an audit simulation project.

AGMC 100 Agricultural Machinery 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SAFE 105*

You will receive an introduction to agricultural equipment and drive systems. You will become familiar with the function, operation and adjustment of selected equipment including tillage, spraying, cutting, harvesting, baling and forage equipment. You will also learn about tractor performance, driveline components, light duty transmissions, clutches and differentials.

AGMC 101 Precision Agriculture 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AGMC 100, GPS 100*

Your studies will include a general overview of the farm machinery and technology used in Western Canada. You will become familiar with the uses and purposes of tractors and combines as well as tillage, seeding, spraying and forage equipment. You will also study precision farming principles and components.

AGMC 204 Agricultural Machinery 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AGMC 100

You will study the equipment used in seeding, spraying and harvesting. You will study monitors and Global Positioning Systems (GPS) used on the equipment as well as precision farming practices, components, and software.

AGMC 205 Harvesting, Hay and Forage Machinery

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AGMC 100

You will examine the theory and operation of harvesting, hay and forage equipment and related attachments. Precision farming as it relates to harvesting equipment will be covered.

AGMC 206 Precision Agriculture 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AGMC 101

You will study the hardware, software, and management strategies of precision agriculture. Areas of study will include Geographic Information Systems (GIS), Global Positioning Systems (GPS), Variable-rate Technology (VRT), remote sensing, differential correction, yield monitoring, and grid mapping. You will apply agriculture software solutions.

AGRI 100 Agricultural Business Applications

Credit Units: 3.0 Course Hours: 45.0

You will learn how to use a personal computer as a small business tool to conduct financial, statistical, and marketing research. You will discuss the process of business idea generation and opportunity identification, feasibility analysis and the importance of business planning. The course content includes methods of getting into business and forms of ownership.

AGRI 101 Introduction to Agribusiness

Credit Units: 3.0 Course Hours: 45.0

You will discuss the nature of agricultural business from both a local and an international perspective. You will explore the global policy framework as well as national laws and programs which support agricultural enterprise. You will investigate selected sectors of the industry in relation to the various perspectives.

AGRI 102 Agricultural Entomology

Credit Units: 3.0 Course Hours: 45.0

You will study the life cycles and roles of beneficial insects and insect pests that affect crops and livestock. You will focus on the fundamentals of pollination, disease and parasite control including the effect on food security.

AGRI 103 Agronomy

Credit Units: 3.0 Course Hours: 45.0

You will study the basic principles of plant morphology, anatomy, and physiology. You will study environmental and management factors affecting plant growth and development. You will focus on cereal, pulse, and oilseed crop production.

AGRI 104 Agricultural Business Planning

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AGRI 100, MATH 114

You will gather relevant farm financial and agriculture market data to support development of an agricultural business plan. You will demonstrate data integrity and security.

AGRI 105 Principles of Crop Production

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the environment, soil, and crops produced relevant to prairie agriculture. You will study cultural practices, land preparation, cropping systems, plant breeding and technology as it relates to crop production. You will study the production of major prairie crops.

AGRI 106 Weed Management

Credit Units: 3.0 Course Hours: 45.0

You will study noxious and common weeds, methods of control, and herbicide performance and tolerance. You will be introduced to the characteristics, formulations and application methods of herbicides, biological and cultural control methods. Safety measures and proper handling of chemicals will be addressed.

AGRI 200 Principles of Sustainable Agriculture

Credit Units: 3.0 Course Hours: 45.0

You will discuss the principles of sustainable agriculture. You will learn about soil and water management and their application in sustainable agricultural systems. You will explore sustainable crop production, including the pros and cons. You will also examine biodiversity and the significance of public trust to agriculture.

AGRI 201 Beef Cattle Production

Credit Units: 3.0 Course Hours: 45.0

You will study an overview of beef cattle production systems in Canada. You will discuss how beef cattle are raised on rangeland, in cow-calf operations and in feedlots. You will examine ways to safely maintain herd health and learn about appropriate beef cattle nutrition required in each production application.

AGRI 202 Rangeland Management

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to the various types of rangeland sites, range condition and range health. You will identify the common plants that support livestock grazing. You will examine sustainable management practices to maintain natural resources and the impact of grazing on bird and wildlife habitat.

AGRI 300 Agricultural Intelligence

Credit Units: 3.0 Course Hours: 45.0

You will study the computer technology used with agricultural machinery. You will become familiar with the programs used to monitor, assess and diagnose field and crop conditions. You will also learn about intellectual property and data security strategies.

AGRI 301 Grain Handling, Storage and Conveyance

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GIS 101

You will explore topics in harvesting, storage and quality evaluation of crops, types of conveyance systems and intellectual property. You will also examine maintaining the quality of crops while in storage, traceability and food supply chain safety, and the collection and protection of intellectual property.

AGRI 302 Post-Harvest Food Production

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ECON 200

You will examine the post-harvest system activities and operations extending from harvest to consumption. You will also explore the technical and economic activities including storage, processing, transporting and quality control.

AIR 150 Air Conditioning and Heating

Credit Units: 2.0 Course Hours: 30.0

You will learn the theory and operations of heating, ventilation and air conditioning (HVAC) systems and the components they use. You will diagnose and repair the HVAC systems and their controls.

AIR 171 Air Conditioning and Heating

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): AIR 170

You will learn the theory and operations of heating, ventilation and air conditioning (HVAC) systems and the components they use. You will diagnose and repair the HVAC systems and their controls.

AIR 183 Air Conditioning and Heating

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): AIR 150

You will focus on the theory of operation of the heating, ventilation and air conditioning (HVAC) systems and their components. You will diagnose and repair the HVAC systems and associated controls. You will be certified in the Canada's Ozone Layer Protection Awareness program for air conditioning and refrigeration systems.

AIR 288 Air Conditioning

Credit Units: 7.0 Course Hours: 100.0

Prerequisite(s): THER 284*

You will learn what is required to maintain human comfort in residential and commercial buildings. Using a step-by-step approach, you will design a complete year-round air conditioning system for an institutional building while considering available energy conservation techniques.

ANAT 100 Body Systems

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): APHY 188, APHY 189

You will receive a basic introduction to body systems. You will study the structure of organs and systems in the human body, and how they function efficiently.

ANAT 100CE Body Systems

Credit Units: 2.0 Course Hours: n/a

You will receive a basic introduction to body systems. You will study the structure of organs and systems in the human body, and how they function efficiently.

ANAT 163 Dental Anatomy

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on the basic anatomy of permanent and deciduous teeth. You will study the structures of the oral cavity and the deciduous and permanent dentitions as well as three different numbering systems for identifying teeth and the eruption sequence of the dentitions. You will develop manual dexterity skills by duplicating oral morphology.

ANAT 164 Embryology and Histology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ANAT 163

Equivalent Course(s): DENT 166

You will develop an understanding of the embryonic development of the face and oral cavity. You will study the development, microscopic anatomy and macroscopic anatomy of the teeth and supporting structures. You will also study the anomalies of these structures.

ANAT 166 Anatomy and Physiology of the Head and Neck

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): BIOL 101

You will study the superficial anatomy, bones and musculature of the head and neck. You will discuss the blood vessels, lymphatic structures and nerves which supply the head and neck including the maxillary and mandibular dentition.

ANAT 167 Anatomy and Physiology 1

Credit Units: 5.0 Course Hours: 70.0

You will study the human body and how it functions to maintain homeostasis. Your studies will include the chemical, cellular and tissue levels of organization. You will focus on the integumentary, cardiovascular, respiratory, nervous, endocrine, and lymphatic systems.

ANAT 183 Vertebrate Anatomy and Physiology

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): ANAT 184

You will study the structure and function of the vertebrate body. You will examine animal cell and tissue types, and organ systems (including the gross anatomical features and function of organs of the integumentary, skeletal, muscular, nervous, digestive, respiratory, circulatory, endocrine and reproductive systems). You will also be introduced to the classification of animals and the characteristics of the vertebrates.

ANAT 184 Vertebrate Anatomy and Physiology Lab

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): ANAT 183, SAFE 180

You will study vertebrate anatomy and physiology as it relates to structure and function using the cat as a model. You will examine animal cell and tissue types and organ systems (including the gross anatomical features and function of organs of the integumentary, skeletal, muscular, nervous, digestive, respiratory, circulatory, endocrine and reproductive systems). You will be introduced to animal classification and the characteristics of vertebrates.

ANAT 266 Anatomy Review

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): NURS 246*

You will briefly review human anatomy and anatomical terminology in the context of perioperative nursing.

ANAT 266CE Anatomy Review

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): NURS 246*

You will briefly review human anatomy and anatomical terminology in the context of perioperative nursing.

ANAT 267 Anatomy and Physiology 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ANAT 167

You will continue to study the human body, focusing on how its structures function to maintain homeostasis. You focus on the structures and functions of the urinary, sensory, digestive, skeletal, muscular, and reproductive systems.

ANES 262 Local Anesthesia

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): DHYG 201

Corequisite(s): DHYG 276

Through independent study, lectures, class discussions, practice predicament learning activities, and preclinical laboratories, you will learn strategies to manage client pain and discomfort, including the administration of intraoral local anesthesia.

ANES 262CE Local Anesthesia

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): DHYG 201

Through independent study, lectures, class discussions, practice predicament learning activities, and preclinical laboratories, you will learn strategies to manage client pain and discomfort, including the administration of intraoral local anesthesia.

ANES 279 Veterinary Anesthesia 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): VETR 190, VETR 191, VETR 287, PHAR 203*

You will be introduced to drugs commonly used in balanced anesthesia including pre-medicants, injectable and inhalant anesthetics, and analgesics. You will also learn about patient support and monitoring during anesthesia.

ANES 281 Veterinary Anesthesia 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ANES 279, PHAR 203, VETR 293, VETR 200, PHAR 281*

Corequisite(s): VETR 282, VETR 296

You will build upon the principles of anesthetic management. You will discuss parameters of pre-anesthetic management and post-operative care. You will discuss how anesthetic protocols are applied to different patients. You will also learn how to apply regional blocks for pain control.

ANES 282 Veterinary Anesthesia 3

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): PRAC 284

Corequisite(s): CLIN 238, CLIN 239, VETR 289

You will develop anesthetic protocols for small and large animal species undergoing various surgical procedures. You will apply modifications of protocol based on patient condition and health status. You will be responsible for the care, preparation and post-surgical care of cases assigned to you.

ANES 282CE Veterinary Anesthesia 3

Credit Units: 5.0 Course Hours: n/a

Prerequisite(s): PRAC 284

You will develop anesthetic protocols for small and large animal species undergoing various surgical procedures. You will apply modifications of protocol based on patient condition and health status. You will be responsible for the care, preparation and post-surgical care of cases assigned to you.

ANIM 182 Care and Management of Laboratory Animals

Credit Units: 1.0 Course Hours: 15.0

You will study animal production, animal diets, research protocols, care, and management. You will practice handling, injections, and sample collection in small laboratory species.

ANIM 282 Large Animal Skills 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): VETR 187, APHY 101, APHY 102, VETR 182, VETR 184, APHY 104*

Equivalent Course(s): ANIM 181

You will study handling and common clinical techniques on cattle, horses, small ruminants, and swine. Learning starts on models and then progresses to live animals at off-campus research and teaching facilities.

ANLT 200 Food Security

Credit Units: 3.0 Course Hours: 45.0

This course explores global as well as local issue in food production, processing, distribution, and consumption. Students will examine food prices and food policy analysis; agricultural subsidies; international trade; and food interventions. Students will also explore the overall effect of income, policies, markets and prices as they affect food security.

ANLT 201 Applied Sport Business Analytics

Credit Units: 3.0 Course Hours: 45.0

You will gain analytics skills for making data-driven decisions in a sport management context. Specifically, you will study the role of analytics in sport management, describe statistical fundamentals, interpret and create visualizations for sport business data using Microsoft Excel, make data-driven decisions, and use data visualizations to present data-driven decisions in a sport management context.

ANLT 300 Applied Critical Thinking and Logic

Credit Units: 3.0 Course Hours: 45.0

You will learn basic concepts and methods of critical thinking and logic. You will apply these concepts and methods to analyze and evaluate arguments regarding projects or problems from mathematics, science and construction science management.

ANLT 301 Globalization

Credit Units: 3.0 Course Hours: 45.0

You will examine the many elements that must be analyzed when considering the global business environment. You will be introduced to global and national business environments, international trade and investment, the international financial system and international business management.

ANLT 302 Analytical Decision Making

Credit Units: 3.0 Course Hours: 45.0

You will learn the basic concepts, methods and tools of critical thinking and logic. You will apply these tools to analyze ordinary and famous decisions made in the past and to make sound business decisions for the future.

ANLT 400 Business Analytics

Credit Units: 3.0 Course Hours: 45.0

You will learn the essential skill of estimating costs and benefits for a process change. Your studies will include the development of theoretical knowledge and practical skills in these areas: querying from existing data sources, outlining assumptions, developing cost-benefits models, analyzing outcomes over multiple years, separating assumptions from the model, and developing flexible formulae. A component of your studies will include an introduction to relational databases and advanced use of spreadsheet software.

ANLT 600 Business Mathematics and Data Analytics

Credit Units: 3.0 Course Hours: 45.0

You will learn the essential skill of estimating costs and benefits for a process change. Your studies will include the development of theoretical knowledge and practical skills in these areas: querying from existing data sources, outlining assumptions, developing cost benefits models, analyzing outcomes over multiple years, separating assumptions from the model, and developing flexible formulae. A component of your studies will include an introduction to relational databases and advanced use of spreadsheet software.

ANLT 601 Data Analytics and Business Intelligence

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ANLT 600

Equivalent Course(s): COMP 604

You will learn how to analyze data from a business intelligence perspective. You will analyze large data sets to answer strategic business questions. You will connect to a variety of data sources and learn about the most effective techniques to communicate statistical data to a business.

ANLT 602 Ideation, Innovation, and Design Thinking

Credit Units: 3.0 Course Hours: 45.0

You will acquire a variety of skills associated with identifying entrepreneurial opportunities and creating innovative solutions to problems. Specifically, you will solve problems using various tools for creativity and ideation by applying the five modes of the design thinking process.

ANLT 603 Entrepreneurial Opportunity Analysis

Credit Units: 3.0 Course Hours: 45.0

You will gain the skills required to evaluate the feasibility of an entrepreneurial opportunity. Specifically, you will apply various strategic management tools to analyze the societal, industry, market, firm, and founder levels of the environment. Conducting these analyses will involve primary and secondary research. You will demonstrate your learning through the preparation and presentation of a comprehensive feasibility analysis.

APHY 100 Anatomy and Physiology 1

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): APHY 162

You will develop an understanding of the human body, its structures and how it functions to maintain homeostasis. You will acquire knowledge of the interactions of the body's structures including cells, tissues, organs, and certain organ systems. You will learn the structures and functions of the integumentary, skeletal, muscular, cardiovascular, and respiratory systems.

APHY 100CE Anatomy and Physiology 1

Credit Units: 4.0 Course Hours: n/a

You will develop an understanding of the human body, its structures and how it functions to maintain homeostasis. You will acquire knowledge of the interactions of the body's structures including cells, tissues, organs, and certain organ systems. You will learn the structures and functions of the integumentary, skeletal, muscular, cardiovascular, and respiratory systems.

APHY 101 Anatomy and Physiology 1 (Theory)

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): APHY 102

Equivalent Course(s): APHY 190

You will study the relationship between structure and function at the cellular, tissue, and organ levels. The course content includes: skeletal, muscular, integument, respiratory and cardiovascular systems of the four major domestic animal species. This course is taken in conjunction with APHY 102.

APHY 102 Anatomy and Physiology 1 (Lab)

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): APHY 101

Equivalent Course(s): APHY 190

You will learn basic applied anatomy and physiology of the four major domestic animal species (dog, cat, horse and bovid) through dissection, use of models and physiological tests. Organ systems studied include the skeletal, muscular, cardiovascular, respiratory and integumentary systems. This course is taken in conjunction with APHY 101.

APHY 103 Introduction to Anatomy and Physiology

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the study of the human body and how it functions efficiently. You will study various body systems that are of critical importance for the promotion and maintenance of health.

APHY 104 Anatomy and Physiology 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): APHY 101, APHY 102

You will study structure and function of the following systems in the four major domestic animal species: digestive, endocrine, blood and lymphatics, nervous system including sensory organs, urinary and reproduction. The lab will provide hands-on study of important physiological principles and anatomical structures through models and dissection of preserved specimens.

APHY 160 Essentials of Human Anatomy and Physiology

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): APHY 189

You will develop a basic understanding of the anatomy and physiology of the human body. You will discuss the concept of homeostasis. You will acquire knowledge of cells, tissues, organs and all the organ systems of the human body.

APHY 162 Anatomy and Physiology 1

Credit Units: 4.0 Course Hours: 62.0

Equivalent Course(s): ANAT 160, NURS 111

You will develop an understanding of the human body, its structures and how it functions to maintain homeostasis. You will acquire knowledge of the interactions of the body's structures including cells, tissues, organs, and certain organ systems. You will learn the structures and functions of the integumentary, skeletal, muscular, cardiovascular, and respiratory systems.

APHY 164 Anatomy and Physiology 1

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the anatomical structure and physiological function of the human body. Your studies will focus on the basic organization of the body concentrating on the respiratory system, cardiovascular system and nervous system.

APHY 164CE Anatomy and Physiology 1

Credit Units: 3.0 Course Hours: n/a

You will be introduced to the anatomical structure and physiological function of the human body. Your studies will focus on the basic organization of the body concentrating on the respiratory system, cardiovascular system and nervous system.

APHY 165 Anatomy and Physiology 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 164

You will study of the structure and function of the normal human body. Your studies will include the endocrine, immune, urinary, reproductive and digestive systems. You will also study the integumentary, skeletal and muscular system.

APHY 165CE Anatomy and Physiology 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): APHY 164

You will study of the structure and function of the normal human body. Your studies will include the endocrine, immune, urinary, reproductive and digestive systems. You will also study the integumentary, skeletal and muscular system.

APHY 170 Advanced Human Anatomy and Physiology

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): BIOL 102, BIOL 103*

In this course, you will advance your knowledge of the human body through an in-depth study of the nervous, cardiovascular, respiratory, urinary, musculoskeletal and reproductive systems. Emphasis is placed on how body systems are interrelated to maintain homeostatic balance. You will be required to research how the physiological principles covered apply to real-world scenarios.

APHY 189 Anatomy and Physiology

Credit Units: 3.0 Course Hours: 40.0

Equivalent Course(s): APHY 188, NURS 111

You will be introduced to the study of the human body and how it functions efficiently. You will study various body systems that are of critical importance for the promotion and maintenance of health.

APHY 190 Anatomy and Physiology 1

Credit Units: 6.0 Course Hours: 90.0

Corequisite(s): VETR 182, VETR 183

You will learn basic applied comparative anatomy and physiology of domestic animals. You will study the relationship between structure and function beginning at the cellular level through to organ systems. Organ systems include the skeletal, muscular, digestive, respiratory and cardiovascular systems. The lab will provide hands-on study of important physiological principles and anatomical structures through models and the dissection of preserved specimens.

APHY 191 Anatomy and Physiology 1

Credit Units: 3.0 Course Hours: 42.0

Equivalent Course(s): APHY 162

You will explore the structure and function of organs and systems in the normal human body. Your studies will focus on the integumentary, skeletal, muscular, nervous and endocrine systems.

APHY 191CE Anatomy and Physiology 1

Credit Units: 3.0 Course Hours: n/a

Equivalent Course(s): APHY 191

You will explore the structure and function of organs and systems in the normal human body. Your studies will focus on the integumentary, skeletal, muscular, nervous and endocrine systems.

APHY 200 Anatomy and Physiology 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): APHY 100

You will continue to study the anatomy and physiology of the human body, focusing on how its structures function to maintain homeostasis. You will learn the structures and functions of the endocrine, urinary, nervous, digestive, sensory, and reproductive systems.

APHY 200CE Anatomy and Physiology 2

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): APHY 100

You will continue to study the anatomy and physiology of the human body, focusing on how its structures function to maintain homeostasis. You will learn the structures and functions of the endocrine, urinary, nervous, digestive, sensory, and reproductive systems.

APHY 262 Anatomy and Physiology 2

Credit Units: 4.0 Course Hours: 62.0

Prerequisite(s): APHY 162

Equivalent Course(s): ANAT 265, NURS 111

You will continue to study the anatomy and physiology of the human body, focusing on how its structures function to maintain homeostasis. You will learn the structures and functions of the endocrine, urinary, nervous, digestive, sensory, and reproductive systems.

APHY 280 Anatomy and Physiology 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 101, APHY 102

Your studies will focus on the structure and function of the digestive system, the nervous system and sensory organs. The lab will provide hands-on study of important physiological principles and anatomical structures through models and dissection of preserved specimens.

APHY 281 Anatomy and Physiology 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 280*

Your studies will focus on the structure and function of the endocrine, urinary, reproductive, blood and lymphatic systems of domestic animals. The lab will provide hands-on study of important physiological principles and anatomical structures through models and dissection of preserved specimens.

APHY 282 Anatomy and Physiology 2

Credit Units: 3.0 Course Hours: 38.0

Prerequisite(s): APHY 191

Building on the knowledge gained in APHY 191 (Anatomy and Physiology 1), you will continue your study of the structure and function of the normal human body. Your studies will focus on the cardiovascular, immune, respiratory, digestive, urinary and reproductive systems.

APHY 282CE Anatomy and Physiology 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): APHY 191

Equivalent Course(s): APHY 282

Building on the knowledge gained in APHY 191 (Anatomy and Physiology 1), you will continue your study of the structure and function of the normal human body. Your studies will focus on the cardiovascular, immune, respiratory, digestive, urinary and reproductive systems.

APIC 300 Apiculture

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the science and practice of beekeeping. You will explore the development, morphology, physiology, genetics and social behaviour of the honey bee, as well as beekeeping equipment, management of bees, honey production, bee diseases and the role of bees in pollination.

ART 200 Art History

Credit Units: 3.0 Course Hours: 45.0

You will study the major artistic movements and periods that have shaped society. Your studies will include the major artistic periods and styles. Defining characteristics will be emphasized. You will create work in a variety of styles.

ART 200CE Art History

Credit Units: 4.0 Course Hours: n/a

You will study the major artistic movements and periods that have shaped society. Your studies will include the major artistic periods and styles. Defining characteristics will be emphasized. You will create work in a variety of styles.

ASRT 180 Assertiveness Training

Credit Units: 1.0 Course Hours: 15.0

You will focus on the cognitive and behavioural aspects of assertiveness. You will examine how you approach conflict. You will also discuss and practice specific techniques for successful conflict management.

ATBD 100 Body Components, Accessories and Trim

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): ATMC 120

Your studies will help you develop skills in adjustment and replacement of vehicle body components, accessories and trim.

AUDI 103 Audio Recording

Credit Units: 3.0 Course Hours: 45.0

You will develop skills in the practical use and operation of audio equipment and recording systems. You will practice recording a variety of sounds in various locations. You will be introduced to the fundamentals of audio production. You will cover basic sound theory and learn about audio recording equipment including portable recorders, computer software recording, types of microphones, basic transducer technology and signal flow paths.

AUDI 200 Audio Production

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AUDI 202

You will learn about the function of sound and various methods and approaches to sound as implemented by prominent sound designers. You will learn to discern subtle details in your listening practices. You will complete a final capstone project to include three audio soundscapes.

AUDI 201 Digital Audio Production

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AUDI 103

You will learn how to use a Digital Audio Workstation (DAW). Your studies will familiarize you with the interface and help you attain skills in recording, editing, session layout, and mixing. You will combine this knowledge and skills with those you developed in AUDI 103 Audio Recording.

AUDI 202 Audio Processing and Mixing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AUDI 201*

You will assimilate audio processing tools and techniques used to alter and shape sounds. You will use various filters and effects to alter audio signals to create clean and effective sound and validate what processor to use with corresponding audio. Your critical listening skills will improve through the mixing exercises.

AUDI 203 Live Audio Production

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AUDI 200

You will learn to assemble an audio production system, demonstrate operational techniques and evaluate sound system specifications and requirements for live events and productions.

AV 200 Lighting

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): VDEO 101

You will learn about light and shadows and how they affect perception. You will learn about the deliberate use of lighting techniques for specific communication purposes. You will develop the skills to manipulate light and colour for both technical and aesthetic purposes. You will apply the techniques in a variety of situations.

AVIA 180 Theory of Flight

Credit Units: 3.0 Course Hours: 45.0

You will study topics relevant to flight theory and aircraft design including flight control systems, stability, air flow characteristics, and forces acting on an aircraft.

AVIA 181 Navigation

Credit Units: 3.0 Course Hours: 45.0

You will study Visual Flight Rules (VFR) navigation including flight planning procedures for all phases of flight. You will use all relevant information to prepare navigation logs, flight plans, and weight and balance. Your studies will include the use of various radio aids to navigation.

AVIA 182 Meteorology 1

Credit Units: 2.0 Course Hours: 30.0

You will study properties of the atmosphere and the conditions that produce and modify weather. Through practical exercises, you will interpret forecast weather conditions and its effects on the pilot and the aircraft.

AVIA 183 Flight Operations 1

Credit Units: 3.0 Course Hours: 45.0

You will study aircraft performance and operational procedures.

AVIA 184 Canadian Aviation Regulations 1

Credit Units: 1.0 Course Hours: 15.0

You will study the Canadian Aviation Regulations (CARs) with emphasis on Visual Flight Rules (VFR) procedures and requirements.

AVIA 186 Meteorology 2

Credit Units: 3.0 Course Hours: 45.0

You will study weather issues related to Instrument Flight Rules (IFR) flying. Through practical exercises, you will analyze forecast and observed weather conditions and its effects on the pilot and the aircraft.

AVIA 191 Cultural Awareness

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): AVIA 189

You will examine Canadian society from a sociological perspective. The elements of culture and differences between cultures will be discussed. Social stratification in Canadian culture and how the stratification impacts various cultural groups will also be examined. Other topics include race, ethnicity and prejudice. Barriers to intercultural communication will also be included.

AVIA 192 Advanced Aircraft Types

Credit Units: 4.0 Course Hours: 60.0

You will study engine, electrical, fuel, pneumatic, hydraulic and mechanical systems as they relate to aircraft. The course includes type-specific ground schools on twin-engine piston and turbine aircraft.

AVIA 193 Flight Operations 2

Credit Units: 3.0 Course Hours: 45.0

You will study operational flying procedures using a variety of aircraft in numerous operational scenarios. You will examine regulations pertaining to the air transport of dangerous goods. The knowledge learned will help prepare you for the Transport Canada (TC) individual Aircraft Type Rating (IATRA) examination.

AVIA 280 Canadian Aviation Regulations

Credit Units: 2.0 Course Hours: 30.0

You will study the Canadian Aviation Regulations (CARs) with an emphasis on Visual Flight Rules (VFR) procedures and requirements. You will learn how to apply for an Air Operator Certificate (AOC) and examine company operations manuals and specifications. This course includes CARs sections applicable to 702, 703, 704 and 705 operations. Commercial air carrier operations and CARs requirements for flight safety will be emphasized.

BAKE 105 Baking

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SANT 111*, SAFE 113*

You will be introduced to the principles and procedures of preparing various yeast doughs, pastries, quick breads, pies, and pie fillings. You will prepare quick breads, pie fillings, baked and unbaked pies, and assorted cakes and cookies, as well as a variety of bakery products as used in health care settings.

BAKE 106 Bakery 1 (Theory)

Credit Units: 1.0 Course Hours: 15.0

You will learn the basic principles of baking, baking ingredients and their uses. You will learn guidelines and procedures for making yeast dough products and quick breads.

BAKE 109 Bakery 2 (Practical)

Credit Units: 3.0 Course Hours: 45.0

You will apply the principles and procedures you learned in BAKE 115 (Bakery 2 Theory). You will mix pie dough; make pie fillings, baked and unbaked pies; prepare puff pastry products and éclair paste and its products.

BAKE 112 Bakery (Theory)

Credit Units: 1.0 Course Hours: 19.0

You will be introduced to the fundamental principles and procedures for preparing various yeast doughs, pastries, quick breads, pies and pie fillings. You will learn about the different product ingredients and their mixing methods. You will also learn the procedures for making each of these baked products.

BAKE 113 Bakery Production (Practical)

Credit Units: 4.0 Course Hours: 61.0

Prerequisite(s): BAKE 112*

You will apply the principles and procedures learned in BAKE 112 (Bakery - Theory). You will prepare quick breads, make pie fillings, make baked and unbaked pies, prepare puff pastry and its products, and produce and prepare a wide variety of breads, rolls and Danish pastries.

BAKE 114 Bakery 1 (Practical)

Credit Units: 3.0 Course Hours: 45.0

You will apply the principles and procedures you learned in BAKE 106 (Bakery 1 Theory). You will prepare yeast dough products and quick breads.

BAKE 115 Bakery 2 (Theory)

Credit Units: 1.0 Course Hours: 15.0

You will focus on the principles and procedures for making pies, pie fillings, puff pastry and éclair paste products.

BAKE 116 Bakery 3 (Theory)

Credit Units: 1.0 Course Hours: 15.0

You will focus on the principles and procedures for making a variety of baked products. These include cakes, icings, glazes and fillings, basic custards and creams, puddings, Bavarians, mousses and cookies.

BAKE 117 Bakery 3 (Practical)

Credit Units: 3.0 Course Hours: 45.0

You will apply the principles and procedures you learned in BAKE 116 (Bakery 3 Theory). You will prepare a variety of desserts. These include vanilla custard sauce, vanilla pastry cream, baked custard, decorated cakes, mousses, Bavarians and cookies.

BAR 181 Introduction to Wine

Credit Units: 2.0 Course Hours: 24.0

Your studies will focus on the origins of wine and principles of production. You will also receive information about names, characteristics and suggestions for creating a wine list.

BAR 200 Bar, Wine and Spirits

Credit Units: 4.0 Course Hours: 60.0

You will learn about the origin of wine, beer and spirits and the production of alcoholic beverages. You will acquire the knowledge and develop the skills needed to produce and serve quality beverages in a responsible manner. You will put your knowledge to use during the Wine & Dine project.

BAR 280 Bar Management and Mixology

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): BAR 183

You will acquire the knowledge and develop the skills needed to produce and serve quality beverages in a responsible manner. You will also learn how to control product costs in a commercial establishment.

BCOM 100 Business Communications 1

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): BCOM 101

You will apply grammatical rules and principles in preparation for writing routine business correspondence.

BCOM 100CE Business Communications 1

Credit Units: 4.0 Course Hours: n/a

You will apply grammatical rules and principles in preparation for writing routine business correspondence.

BCOM 102 Business Communications 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BCOM 100

You will continue to develop effective business writing skills. You will write routine business correspondence and apply proofreading and editing skills.

BCOM 102CE Business Communications 2

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): BCOM 100

You will continue to develop effective business writing skills. You will write routine business correspondence and apply proofreading and editing skills.

BCOM 105 Business Communications

Credit Units: 4.0 Course Hours: 60.0

You will develop fundamental employability skills through the study of the principles of communication and active listening techniques. The course content includes the development of effective writing skills and formatting. You will apply the principles and skills by writing business messages for positive, negative and persuasive purposes. You will examine ways to apply communication skills to cross-cultural and Indigenous situations. You will learn to apply effective presentation skills when delivering oral presentations. You will write business reports.

BCOM 105CE Business Communications

Credit Units: 5.0 Course Hours: n/a

You will develop fundamental employability skills through the study of the principles of communication and active listening techniques. The course content includes the development of effective writing skills and formatting. You will apply the principles and skills by writing business messages for positive, negative and persuasive purposes. You will examine ways to apply communication skills to cross-cultural and Indigenous situations. You will learn to apply effective presentation skills when delivering oral presentations. You will write business reports.

BCOM 120 Business Communications 1

Credit Units: 4.0 Course Hours: 64.0

Equivalent Course(s): BCOM 104, TCOM 102, TCOM 180

You will develop fundamental employability skills by studying the principles of communication. The course content includes developing effective writing skills. You will apply the principles and skills by writing letters and memorandums for routine and negative purposes. You will develop teamwork employability skills and examine ways to apply communication skills to team and cross-cultural situations.

BCOM 121 Business Communications 2

Credit Units: 4.0 Course Hours: 64.0

Prerequisite(s): BCOM 120

Equivalent Course(s): COMM 149

You will continue to develop effective business writing skills and employability skills. The course focuses on writing business reports in both informal and formal styles. In addition, classroom study and experience will help prepare you for a business career by developing your presentation skills.

BCOM 121A Report Writing

Credit Units: 2.0 Course Hours: 32.0

This course introduces students to the techniques of report writing. Practise is given in writing a formal report and informal reports.

BCOM 121B Oral Communications and Meetings

Credit Units: 2.0 Course Hours: 32.0

Equivalent Course(s): BCOM 103, BCOM 133, COMM 162

This course covers oral communications and business meetings.

BCOM 145 Interpersonal Communication Skills

Credit Units: 1.0 Course Hours: 18.0

You will improve your interpersonal skills by discussing perception, nonverbal communications, barriers to communication, feedback and listening.

BCOM 300 Professional Writing and Presentations

Credit Units: 3.0 Course Hours: 45.0

You will study research techniques and develop writing and presentation skills for business applications. You will practice collaborative writing and research skills using the tools of electronic communication.

BCOM 600 Business Communications

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MGMT 125

You will practice written and oral communication skills that managers use on the job. You will study how to write effective letters, emails, and reports. You will plan and conduct meetings and deliver a verbal presentation.

BESK 101 Hand and Power Tools

Credit Units: 3.0 Course Hours: 40.0

You will use hand and power tools to layout, shape and finish metals.

BESK 104 Benchwork 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MEAS 100*

You will study semi-precision benchwork processes, handheld cutting tools, and produce parts with these methods.

BESK 105 Benchwork 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BESK 104*

You will study precision layout, offhand grinding, and more advanced handheld tools.

BESK 106 Benchwork 3

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): BESK 105*

You will study hand threading operations and mechanical hardware. You will perform threading and thread restoration procedures.

BESK 120 Benchwork

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SFTY 126*

You will learn how to identify, select, operate and maintain hand and power tools, equipment and fasteners.

BIM 100 Building Information Modeling (BIM) 1

Credit Units: 2.0 Course Hours: 30.0

You will study the terminology associated with the process of Building Information Modeling (BIM) as a technology. You will discuss the BIM cycle from execution plans through to model handoff. You will explore BIM processes and standards in relation to software uses.

BIM 300 Building Information Modelling (BIM) 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BIM 100

You will study Building Information Modeling (BIM) as well as Project Management. You will study how BIM is used in Project Management and how intelligent models are integrated into an overall project. You will study how to develop project schedules, create a bill of materials, and create a federated project model.

BIOC 281 Biochemistry

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CHEM 287

You will study the fundamental biological compounds including carbohydrates, lipids, proteins and nucleic acids. You will study the structure of biomolecules as it relates to biological function. You will study metabolic pathways of the cells and tissues. You will perform analytical and biochemical techniques in biosciences.

BIOL 100 Human Anatomy and Physiology 1

Credit Units: 3.0 Course Hours: 45.0

You will study the human body, how it is constructed and how it functions to maintain homeostasis. You will focus on the interaction between the structures of the body cells, tissues, organs and organ systems. You will learn about levels of organization of the human body, cells, and tissues. You will examine integumentary, skeletal, muscular, nervous, and sensory systems.

BIOL 100CE Human Anatomy and Physiology 1

Credit Units: 3.0 Course Hours: n/a

You will study the human body, how it is constructed and how it functions to maintain homeostasis. You will focus on the interaction between the structures of the body cells, tissues, organs and organ systems. You will learn about levels of organization of the human body, cells, and tissues. You will examine integumentary, skeletal, muscular, nervous, and sensory systems.

BIOL 101 Human Anatomy and Physiology 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BIOL 100

You will continue to study the anatomy and physiology of the human body. You will learn about fluids, electrolytes, and acid-base balance. You will examine structures and functions of the cardiovascular, lymphatic, respiratory, digestive, urinary, endocrine, and reproductive systems.

BIOL 101CE Human Anatomy and Physiology 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): BIOL 100

You will continue to study the anatomy and physiology of the human body. You will learn about fluids, electrolytes, and acid-base balance. You will examine structures and functions of the cardiovascular, lymphatic, respiratory, digestive, urinary, endocrine, and reproductive systems.

BIOL 102 Anatomy and Physiology 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): BIOL 100

In the first of a two-course sequence, you will explore the human body focusing on the interaction between structure and function and the regulation of physiological functions involved in maintaining homeostasis. You will learn how the levels of organization of the body and the components of cells, tissues and organs impact form and function. You will examine the following body systems: integumentary, skeletal, muscular, nervous and special senses.

BIOL 102CE Anatomy and Physiology 1

Credit Units: 3.0 Course Hours: n/a

In the first of a two-course sequence, you will explore the human body focusing on the interaction between structure and function and the regulation of physiological functions involved in maintaining homeostasis. You will learn how the levels of organization of the body and the components of cells, tissues and organs impact form and function. You will examine the following body systems: integumentary, skeletal, muscular, nervous and special senses.

BIOL 103 Anatomy and Physiology 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BIOL 102

Equivalent Course(s): BIOL 101

In the second of a two-course sequence, you will continue to explore the human body focusing on the interaction between structure and function and the regulation of physiological functions involved in maintaining homeostasis. You will examine how the levels of organization of the body and the components of cells, tissues and organs impact the form and function for the following body systems: endocrine, blood, cardiovascular, lymphatic, respiratory, digestive, urinary, fluid, electrolyte and acid-base balance and reproductive.

BIOL 103CE Anatomy and Physiology 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): BIOL 102

In the second of a two-course sequence, you will continue to explore the human body focusing on the interaction between structure and function and the regulation of physiological functions involved in maintaining homeostasis. You will examine how the levels of organization of the body and the components of cells, tissues and organs impact the form and function for the following body systems: endocrine, blood, cardiovascular, lymphatic, respiratory, digestive, urinary, fluid, electrolyte and acid-base balance and reproductive.

BIOL 104 Molecular Diagnostics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 103, PROC 180, PROC 185, QC 101

You will discuss and describe the principles of molecular biology techniques and perform diagnostically applicable molecular techniques. You will evaluate and assess molecular results and techniques.

BIOL 1500 Biology Bridging

Credit Units: 0.0 Course Hours: 50.0

Provides pre-requisite knowledge of Biology for students to be prepared for the Biology 30 course.

BIOL 1800 St Assist Bio

Credit Units: 0.0 Course Hours: 1.0

Student Assist Biology

BIOL 181 Molecular Biology

Credit Units: 1.0 Course Hours: 22.0

You will study the principles of molecular biology techniques and explain the practical applications of this technology as it would apply in a diagnostic laboratory. The course content includes DNA/RNA isolation, hybridization, Polymerase Chain Reaction and restriction enzyme analysis.

BIOL 20 Biology 20

Credit Units: 1.0 Course Hours: 100.0

Develops knowledge and understanding of ecological organization, diversity of life, and the agricultural botany of Saskatchewan.

BIOL 30 Biology 30

Credit Units: 1.0 Course Hours: 100.0

The major themes of this course examine the significance of evolution as a key unifying theme in biology and explore what life is and how it changes over time. Students examine the organization of life in all kingdoms through the study of cellular processes and organism function. In genetics and biotechnology, students explore inheritance, and how information is stored, is transmitted, and is expressed at chromosomal and molecular levels. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

BIOL 30CE Biology 30

Credit Units: 1.0 Course Hours: n/a

The major themes of this course examine the significance of evolution as a key unifying theme in biology and explore what life is and how it changes over time. Students examine the organization of life in all kingdoms through the study of cellular processes and organism function. In genetics and biotechnology, students explore inheritance, and how information is stored, is transmitted, and is expressed at chromosomal and molecular levels. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

BKPG 140 Bookkeeping for Small Business

Credit Units: 3.0 Course Hours: 45.0

The course provides an introduction to bookkeeping. You will learn how to set up a bookkeeping system, record transactions, post to ledgers, prepare adjusting and closing entries, and prepare financial statements. The course content includes payroll, government remittances and bank reconciliations. You will gain hands-on experience by actually working through a set of books.

BKPG 141 Automated Simulation

Credit Units: 1.0 Course Hours: 18.0

Prerequisite(s): SYST 147

You will study the procedures for setting up a record keeping system for a company using Sage 50 Accounting software. You develop a level of proficiency in the use of the Sage 50 Accounting software through the completion of a bookkeeping simulation.

BKPG 142 Small Business Expenses

Credit Units: 1.0 Course Hours: 15.0

The course introduces you to the use of the Statement of Business or Professional Activities form for an unincorporated business. Your studies will include the following topics: business income and common business expenses focusing on motor vehicle, business-use-of-home, and capital cost allowance expenses.

BKPG 280 Bookkeeping

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): STAT 285

You will learn the fundamental concepts of accounting and the skills to track inventory, cash flow, and customer accounts in a veterinary practice. The latter half of the course will concentrate on electronic accounting using an accounting software package.

BLAW 281 Business Law

Credit Units: 2.0 Course Hours: 30.0

You will acquire an introduction to business law. Your studies will include systems of courts, torts, contracts, form of business organization, employer/employee relationships, intellectual property, agency, negotiable instruments and consumer protection.

BLAW 282 Law and Risk Management for Managers

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): LAW 220

You will study the Canadian legal system as it applies to recreation and tourism. You will discuss the legal framework for recreation and will review negligence, liability, contract law, and risk management. Case studies are used to help the student understand how to avoid negligence and liability and provide safe environments.

BLAW 283 Law in the Hospitality Sector

Credit Units: 4.0 Course Hours: 60.0

You will learn about the Canadian court system, general tort and contract law for business, as well as a focus on liability and risk management for those in the hospitality sector. Your studies will include information on negligence, personal injury, property protection and damage, and responsibilities under the Innkeeper's Act.

BLDG 100 Auxiliary Power Systems

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): ELEC 188*, SFTY 172*

You will learn how an uninterrupted power supply system works and how to manage emergency power systems (including a backup generator unit, emergency lighting systems and battery systems).

BLDG 101 Building Administration

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): COMP 172*, ELEC 135*

You will examine the roles of various trades that work collaboratively within a building. You will be made aware of working liability and due diligence. You will complete an elevator visual and operational check and evacuation. You will also explain how to prepare a preventative maintenance checklist.

BLDG 103 Building Envelope

Credit Units: 2.0 Course Hours: 25.0

You will examine the construction of different building types. You will learn sealing and insulating techniques and how to repair the interior and exterior (including windows, doors and roofs).

BLDG 106 Groundskeeping

Credit Units: 1.0 Course Hours: 12.0

Prerequisite(s): SFTY 172*

You will study different types of groundskeeping (including above-ground and underground sprinkler systems, landscaping and associated small equipment).

BLDG 107 Hydronic Heating

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): PLMB 101*

You will learn how to safely operate, maintain and service hydronic boilers, pumps, heating units and control systems.

BLDG 109 Building Computer Operations

Credit Units: 4.0 Course Hours: 55.0

Prerequisite(s): COMP 172*

Your studies will focus on building control systems in medium-to-large sized buildings. You will learn how to manage central control systems. You will gain an understanding of and be able to operate the basic control systems in your particular building including programmable controllers, direct digital control systems and computer-operated building equipment.

BLDG 110 Ventilation Systems

Credit Units: 2.0 Course Hours: 35.0

Prerequisite(s): RFRG 183*

You will study the principles of air-handling systems in buildings. You will learn the auxiliary systems needed to operate an air-handling system (including pneumatic controls, fans, blowers and filters). You will also learn how to service air compressors, pneumatic controls, fans, blowers, filters and rooftop units.

BLDG 113 Building Applications 1

Credit Units: 4.0 Course Hours: 60.0

You will perform tasks related to electricity, lighting, plumbing, interior and exterior systems.

BLDG 114 Building Applications 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): BLDG 113

You will safely troubleshoot basic electrical and plumbing systems. You will perform interior and exterior maintenance of buildings.

BLDG 115 Consumption and Waste Management

Credit Units: 4.0 Course Hours: 60.0

You will identify water savings measures in buildings through detection and repair of leaks, operational changes, and low-cost equipment improvements. Your studies will include examination of water and sewer bills for savings opportunities. You will study irrigation and drainage systems and solid waste management. You will perform the steps of an audit.

BLDG 116 Energy Management

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to construction characteristics and maintenance requirements of various types of buildings. You will investigate how sealing and insulating techniques impact energy consumption and conservation. You will examine techniques used with green buildings.

BLDG 117 Building Automation

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to building control systems in medium to large size buildings and study various types of controllers. You will learn how to manage central control systems as well as practice operating basic control systems. You will identify the safety and control of building lighting systems.

BLDG 220 Bldg Systems: Residential

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): BUSY 220

Your studies will focus on the integration of building engineering systems commonly used in residential buildings. You will be introduced to mechanical, electrical, and plumbing (MEP) design principles from the perspective of architectural coordination.

BLDG 221 Building Systems: Commercial Buildings

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BLDG 220

Equivalent Course(s): BUSY 222

You will explore the preliminary design and integration of building engineering systems commonly used in large buildings. You will examine mechanical, electrical, and plumbing (MEP) equipment requirements.

BLDG 222 Building Systems: Building Science

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BLDG 220, CNST 222

Equivalent Course(s): LAND 220

You will examine the effects of heat, vapour, and airflow in building enclosures. Using building science principles, you will consider ways to design successful building assemblies and connections. You will also investigate the impact of energy retrofits on aging buildings.

BLDG 250 Building Systems: Commercial Interiors

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BLDG 220

You will explore the preliminary design and integration of building engineering systems that affect interior spaces in large buildings. You will examine lighting, electrical, signaling, fire suppression, way-finding, and integrated prefabricated systems requirements.

BLDG 300 Building Fundamentals in Construction Management

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on the integration of the building engineering systems within a building design. You will be introduced to structural, lighting, mechanical, electrical, and plumbing components and their integration from the perspective of coordinating construction activities.

BLDG 301 Building Systems: Commercial

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BLDG 220

You will explore the preliminary design and integration of building engineering systems commonly used in large buildings. Your studies will include analysis of energy use and green building strategies. You will learn about typical systems used in commercial buildings and how to prepare preliminary mechanical, electrical, and plumbing (MEP) layouts.

BLDG 302 Building Construction: High-Performance Building Enclosures

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): BLDG 222

You will examine the effects of heat, vapour, and air flow in high-performance building enclosures. You will design and build a prototype of a high-performance assembly.

BOTA 183 Botany

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): BOTA 184

You will examine anatomy and function in plants with emphasis on the angiosperms. You will study plant cells and tissues, development of the primary and secondary plant body, flowering and reproduction, and fruit and seed development. You will distinguish the characteristics of algae, bryophytes, seedless vascular plants, and gymnosperms.

BOTA 184 Botany Lab

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): BOTA 183, SAFE 180

You will study plant structure and diversity with emphasis on microscopic examination. You will examine plant cells and tissues, primary and secondary plant growth, flowers, fruits, and seeds. You will distinguish the characteristics of algae, bryophytes, seedless vascular plants, conifers, and crops.

BPRT 102 Construction Documents

Credit Units: 2.0 Course Hours: 30.0

You will learn to identify construction documents and their components. You will also compare the various types of drawings and identify the language used in building construction documents.

BPRT 104 Drawing Interpretation

Credit Units: 3.0 Course Hours: 50.0

You will learn about the responsibilities and opportunities in the ironworker trade. You will develop your ability to read and interpret basic drawings. The course covers the basic elements of a blueprint, symbols, abbreviations and structural shapes.

BPRT 127 Construction Documents

Credit Units: 1.0 Course Hours: 15.0

You will identify industry standards used in construction documents such as line types, dimensioning, abbreviations, and symbols. You will learn to identify and interpret information found on site plans, elevation drawings, floor, and foundation plans. An introduction to zoning requirements and building permits will also be covered.

BPRT 222 Construction Documents

Credit Units: 2.0 Course Hours: 30.0

You will review standards used in used in construction documents such as line types, dimensioning, abbreviations, and symbols. You will also learn to identify and interpret information for the purpose of constructing floor, wall and roof framing systems as well as installing exterior finishes.

BRAK 110 Brake Systems

Credit Units: 6.0 Course Hours: 88.0

Equivalent Course(s): BRAK 170

You will learn the function, operation, maintenance and repair of drum, disk and multiple disc brake systems as well as bearings, seals, wheels and tires.

BRAK 113 Brake Systems Air Theory

Credit Units: 1.0 Course Hours: 15.0

You will study the design, operation and service recommendations for air operated systems. Air operated anti-lock braking systems will be covered. Traction and stability control systems will also be covered.

BRAK 114 Brake Systems Air Shop

Credit Units: 2.0 Course Hours: 30.0

You will service, repair and test air activated foundation brake systems. Park brake systems of various designs will be evaluated. Anti-lock, traction, and stability control systems will be analyzed.

BRAK 115 Brake Systems Hydraulic Theory

Credit Units: 1.0 Course Hours: 15.0

You will study the design, operation and service recommendations for hydraulic brake systems. Hydraulically operated anti-lock braking systems will be covered. Traction and stability control systems will be discussed. You will also learn about electric braking systems.

BRAK 116 Brake Systems Hydraulic Shop

Credit Units: 2.0 Course Hours: 30.0

You will service, repair and test hydraulically activated foundation brake systems. Park brake systems of various designs will be evaluated. Air-lock, traction, and stability control systems will be analyzed. Electric brake systems will be serviced and repaired.

BRAK 117 Braking Systems 1 (Non-ABS)

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): BRAK 118

The course covers the operation, diagnosis and repair of braking system hydraulic components.

BRAK 118 Braking Systems 2 (Non-ABS)

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): BRAK 117

Your studies will help you develop the skills to evaluate and repair drum brakes, disc brakes and park brake systems.

BRAK 119 Braking Systems 3 (ABS)

Credit Units: 2.0 Course Hours: 30.0

You will gain an understanding of the operation, diagnosis and repair of anti-lock brake, traction control and stability control systems. You will examine the evaluation and repair of tire pressure monitor systems.

BRAK 150 Brake Systems

Credit Units: 6.0 Course Hours: 90.0

You will learn the function, operation, maintenance and repair of drum, disk and multiple disc brake systems as well as bearings, seals, wheels and tires.

BRDG 1805 Bridging Academic

Credit Units: 0.0 Course Hours: 100.0

Bridging Academic

BRDG 1806 Bridging Common

Credit Units: 0.0 Course Hours: 100.0

Bridging Common

BT 100 Introductory Electrical Theory and Practices

Credit Units: 4.0 Course Hours: 60.0

You will gain an understanding of the electrician trade, electrical theory and electrical terminology through classroom and lab experiences. Your studies will help you become familiar with basic electrical circuits and components used in electrical equipment. You will terminate conductors and install typical lighting and receptacle circuits.

BT 141 Resistive Circuit Analysis

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): BT 100*

You will prove Ohm's Law, Watt's Law, and Kirchoff's Laws through classroom and laboratory experiences. You will apply these laws to solve series, parallel, combination, and three-wire circuit problems. You will become familiar with the terminology, operation, and connection of cells and batteries.

BUS 010 Nail Salon Operations

Credit Units: 2.0 Course Hours: 30.0

You will develop an understanding of operating a nail salon and employer expectations. Your studies will develop your awareness of legal and labour regulations, financing, nail salon design and maintaining shop inventory and equipment. The course covers practical application of personality theories to salon situations.

BUS 101 Salon Operations

Credit Units: 4.0 Course Hours: 60.0

You will develop an understanding of operating a hair salon and employer expectations. Your studies will develop your awareness of legal and labour regulations, financing, salon design and maintaining shop inventory and equipment. The course covers practical application of personality theories to salon situations.

BUS 103 Spa Operations

Credit Units: 4.0 Course Hours: 60.0

You will develop an understanding of operating a spa and employer expectations. Your studies will develop your awareness of legal and labour regulations, financing, spa design and maintaining shop inventory and equipment. The course covers practical application of personality theories to spa situations.

BUS 104 Introduction to Business

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to fundamentals of business. You will study structures, activities and forces that impact businesses. The course will explore the importance of ethical business practices, corporate social responsibility, and economic diversity in the global economy. You will begin your exploration of the functional business areas of leadership, human resources, operations, marketing, accounting, finance, and entrepreneurship. The course will prepare you for further study in these areas and others. You will work on a business case and prepare a simple business plan.

BUS 105 Small Business

Credit Units: 4.0 Course Hours: 60.0

If you are interested in starting your own business, you will have the opportunity to learn the basics of starting and operating your own business. You will study business planning, management, marketing, and basic financial concepts while learning how to organize and operate a small business. You will develop an appreciation for the elements of a business plan and their impact on the success of a business. You will practice business start-up skills through the activities of defining markets, targeting customers, and addressing financial planning such as cash management, budgeting, and financing. You also develop critical communications skills required to develop and "pitch" your plan to a "potential investor".

BUS 148 Negotiations

Credit Units: 1.0 Course Hours: 15.0

The course provides an introduction to negotiating strategies and tactics. You will also practice negotiating skills.

BUS 153 Credit and Collections

Credit Units: 1.0 Course Hours: 15.0

You will study the basics of credit and collections. Your studies will include the forms of credit, credit evaluation process and the collection process.

BUS 154 Operational Strategy

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MKTG 166 or MKTG 155

Corequisite(s): HR 145

The course describes the operations of a small business. Your studies will include the following topics: selecting a location, planning an efficient layout, describing the licensing and regulatory requirements, choosing a business name, determining hours of operation, determining fixed asset requirements, managing inventory, locating suppliers, investigating insurance and estimating start-up costs. The course content and learning activities will help you develop an operational strategy for your business.

BUS 155 Business Plan Preparation

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FIN 151

The course will help you prepare a business plan that combines your finalized marketing, operational, human resource, and financial strategies with a mission statement and executive summary. You will develop a verbal presentation of your business plan and deliver it in a simulated business environment.

BUS 156 Small Business Document Preparation

Credit Units: 3.0 Course Hours: 45.0

You will prepare documents typically used in a small business. Your learning activities will involve selecting the types of documents and designing the end product. You will learn how to use small business software applications for word processing and email to develop these documents

BUS 157 Advanced Document Preparation

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BUS 156

You will prepare business documents for small business that involve advanced knowledge of word processing and design. You will learn how to collect and maintain information and how to use customer information to prepare mass mailings. You will learn to use presentation graphics software to present information regarding your business.

BUS 158 Loss Prevention

Credit Units: 1.0 Course Hours: 12.0

You will learn about loss prevention in the retail sector (including the legal implications for the retail worker). You will also learn how to most effectively monitor for loss prevention and how to perform counterfeit detection.

BUS 160 Dental Practice Management

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): OPRO 133

You will focus on the dental assistant's role in practice management. You will develop skills to maintain a positive environment, manage telephone calls, process mail and control inventory and supplies. Using a computerized dental office management system, you will learn how to manage dental records, claims and accounts and schedule appointments.

BUS 183 Aviation Business

Credit Units: 2.0 Course Hours: 30.0

You will acquire essential business knowledge that will contribute to the success of the flight operation that employs you. The course content includes commercial aviation in the business world, business plans and marketing.

BUS 200 Business Planning

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): RT 201

Equivalent Course(s): ADMN 224

You will be introduced to the components of a comprehensive and well-thought-out business plan. You will examine the components of a business plan, business legal structures, finance, costing and pricing.

BUS 201 Business Practice

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CADA 200

Your studies will focus on Canadian business structures, relevant business law and business operations. You will study the elements of contracts and procurement processes. You will also be introduced to several geomatics professions with emphasis on the legal land surveying and engineering professions in Canada. You will examine the elements of a self-regulating profession.

BUS 203 Entrepreneurship for Engineering Technologies

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): TCOM 102 or COM 200

You will learn the specifics of organizing and opening a small business. You will study the process of entrepreneurship from a technology-oriented background.

BUS 204 Entrepreneurship for Creatives

Credit Units: 3.0 Course Hours: 45.0

You will learn the specifics of organizing and opening a small business. You will study the process of entrepreneurship from a creative background.

BUS 300 Business and Society

Credit Units: 3.0 Course Hours: 45.0

You will study the business corporation in its social context, with a focus on stakeholder groups and their participation in decision-making for a business.

BUS 400 Construction Business Strategies: Trends and Issues

Credit Units: 3.0 Course Hours: 45.0

You will study the process of starting and operating a business as well as strategic and lean management practices. You will practice your skills by developing a business and marketing plan.

BUS 600 Introduction to Entrepreneurship

Credit Units: 3.0 Course Hours: 45.0

You will discover the exciting field of entrepreneurship. Specifically, you will gain an understanding of foundational entrepreneurial concepts, including what entrepreneurship is, the entrepreneurial mindset, the state of small business in Canada, social entrepreneurship and purpose-driven businesses, Indigenous entrepreneurship, and the role of technology in entrepreneurship. Additionally, you will grow and demonstrate your ability to effectively pitch an idea and create a strategy to prepare for entrepreneurial practice.

BUS 601 Business Plan Development

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 605, BUS 600

You will synergize the knowledge and skills acquired throughout the program by creating an innovative solution to a problem and a business plan for a new venture. Opportunity recognition and analysis, small business management, business modelling, and financial planning techniques will be used to create a business plan. Additionally, you will calculate the funds needed to start your new venture and select appropriate funding sources. To communicate your idea effectively, you will create a pitch deck, which will serve as the foundation for pitching your idea.

BWC 121 Conductors and Branch Circuits

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): BT 100*

You will be introduced to different conductor and insulation materials. You will be able to calculate conductor cross-sectional area, conductor resistance, line drop, and line loss. You will be able to determine conductor ampacity, overcurrent device rating, and bonding conductor size for appliance, receptacle, and lighting branch circuits. You will be able to design an electrical layout for a single dwelling and complete an estimate for the installation.

BWC 122 Extra Low Voltage, Magnetism and Meters

Credit Units: 4.0 Course Hours: 60.0

You will focus on the inter-relationship of magnetism and electricity. You will use meters to measure electrical properties (such as volts, amps, resistance, power and energy). You will install basic signal systems and typical residential remote control relay systems using industry installation standards and trade standards of workmanship.

Course Descriptions C

CAD 100 Computer Aided Design

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): CAD 226

You will study basic theory and practice of printed circuit board layout. You will use industry standard software to create circuit diagrams and generate required files to produce printed circuit boards (PCBs). You will use software to simulate and analyze circuits.

CAD 101 CAD Drafting

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): CAD 181

You will focus on the concepts of computer-assisted drafting (CAD). Extensive hands-on training and lecture sessions will provide the knowledge you need to produce industrial standard CAD drawings, use 2D drafting and draw from 3D models. You will follow standard conventions while improving your skill and efficiency in using a CAD system.

CAD 102 Building Mechanical Modelling

Credit Units: 2.0 Course Hours: 30.0

You will include the basics of designing, modelling and documenting in a mechanical building modelling environment - Mechanical Electrical Plumbing (MEP). You will create a building model and supporting documentation with the fully parametric building modeler.

CAD 103 CAD Modelling 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CAD 101

Equivalent Course(s): CAD 281

You will focus on the basics of three dimensional computer-assisted drafting (CAD) modelling, using techniques to create a single manufactured part. As well, you will develop an understanding of additive manufacturing, and 3D print a part you have designed.

CAD 104 Parametric Part Modelling

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CAD 101, DRFT 290

You will produce part drawings using three-dimensional (3-D) Computer Aided Drafting (CAD). You will study solid model construction methods.

CAD 105 Advanced Drafting and Assembly Modelling

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CAD 104

You will create customized part and assembly drawings. You will create customized annotation in drawings. You will create assembly models and verify that they operate properly. You will create assemblies with proper tolerances and fits. You will use software tools to create advanced parts.

CAD 106 Autodesk Inventor (3D)

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): DRFT 174

Equivalent Course(s): CAD 181

This course will provide you with an understanding of the basic to intermediate functions of a Computer-Aided Design (CAD) software. Hands-on training and lecture sessions will provide you with the knowledge to create 3D models, assemblies and drawings. You will learn about part and assembly modeling for use in real-world manufacturing settings.

CAD 181 CAD Drafting

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): DRFT 174

Equivalent Course(s): DRFT 105, DRFT 191

Your studies will focus on the concepts of micro-based computer assisted drafting (CADD). Extensive hands-on training and lecture sessions will provide the knowledge you need to produce industrial standard CADD drawings, use 2-D drafting and draw from 3-D models. You will follow standard conventions while improving your skill and efficiency in using a CAD system.

CAD 191 CAD Systems and Networking

Credit Units: 4.0 Course Hours: 64.0

You will be presented with background theory and math as necessary to support a comprehensive understanding of networking fundamentals. You will examine ethernet technology in relation to its dominance in industry. You will discuss the OSI and TCP/IP models are discussed, beginning with physical cabling and working up through devices (such as repeaters/hubs, bridges/switches and to routers). At the completion of the course you will be able to create and test Local Area Network (LAN) cables, physically cable a LAN, select devices, plan and implement subnets, configure networking parameters and connect computers into a high speed LAN. You will also complete requirements for Cisco Certified Networking Associate (CCNA) Semester 1.

CAD 200 Assembly Modeling and Project

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CAD 104, CAD 105

You will create assigned assembly models and a student selected project and then learn the various ways to document assembly/disassembly procedures. You will apply Geometric Dimensions and Tolerances to the project you have selected. You will produce a set of drawings that would allow for the building of this project. You will produce an animation of the project.

CAD 201 Advanced Drafting/CAD Modelling 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CAD 103, DRFT 114

You will include techniques to model three dimensional objects. As well, you will create assembly models, and then learn the various ways to document assembly/disassembly procedures and assembly analysis techniques. You will also build sheet metal parts and create folded and flat pattern drawings.

CAD 226 Computer Aided Design and Drafting

Credit Units: 3.0 Course Hours: 48.0

You will be introduced to Computer Aided Drafting (CAD). You will learn how to produce quality engineering graphics using commercial CAD packages. You will create 2D drawings including multi-view projections, pictorial illustrations, chassis fabrication layout diagrams, building layout and wiring diagrams.

CAD 281 Computer Aided Engineering 1

Credit Units: 5.0 Course Hours: 77.0

Prerequisite(s): CAD 181

You will learn how to use computer software to solve mathematical/engineering problems. You will develop techniques for creating programs to solve these problems, discuss the limitations of these techniques and be introduced to commercially available software. The course content includes numerical methods, statistics, piping system analysis and design, and the design of cams. A commercially available software program is used for the piping analysis portion of the course. You will also learn about advanced features of Excel as a tool for solving engineering problems.

CAD 282 Computer Aided Engineering 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CAD 281, ENGM 289

Corequisite(s): AIR 288, ENGM 280, ENGM 281, INST 288

Building on the skills you developed in CAD 281 (Computer Aided Engineering 1), you will learn how to use computers in the engineering process. Design work in the field of mechanical engineering will be emphasized and will complement concurrent Year 2 - Semester 4 technical courses.

CAD 283 Advanced CAD Modeling

Credit Units: 4.0 Course Hours: 64.0

Prerequisite(s): DRFT 291

You will develop an understanding of 3-Dimensional CAD through a study of wire frame, surface and solid model construction methods. You will learn techniques for documenting 3D models using the traditional 2D views and dimensioning associated with working drawings. You will also select a project (assembly or mechanism) and create a 3D parametric solid model that will be used as a starting point for CAD 295 (Virtual and Rapid Prototyping).

CAD 285 Industry Design Project

Credit Units: 3.0 Course Hours: 52.0

Prerequisite(s): CAD 283, CAD 287, DSGN 280, ELEC 279, ENGM 290, MANU 280, MANU 290, THER 283

Corequisite(s): CAD 288, CAD 295, CAD 298, DSGN 282, DSGN 283, ENG 291, ENG 292, MANU 291, MANU 293, PROJ 287, TCOM 104

You will complete an industrial project (acquired from a local company) that will involve a significant component of design, analysis and/or manufacturing technology. You will select, define and assess the problem, prepare and coordinate the results, and present the results to your client. The project will demonstrate your capacity to apply the knowledge you have acquired from several previous and concurrent courses to solving a "real life" problem in a practical way. You will present your project in the form of a written technical report and an oral presentation.

CAD 287 Computer Aided Manufacturing 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MANU 100, MACH 191

You will focus on the methods of using computers to help create a code of instructions to manufacture a part on a Computer Numerical Machine (CNC). You will study G and M codes. You will solve practical manufacturing problems using traditional CNC techniques. You will gain hands-on experience using industrial CNC equipment and modern controllers. You will also set up raw stock and configure tooling with different machine set-ups, configurations and machine metal parts.

CAD 288 Computer Aided Manufacturing 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CAD 287

You will learn how to generate Computer Numerical Control (CNC) codes to operate machine tools. You will study methods of creating and importing geometry as wire frame, freeform surfaces or solids. You will use the Computer Aided Manufacturing (CAM) software to create CNC codes to cut the part.

CAD 295 Virtual and Rapid Prototyping

Credit Units: 3.0 Course Hours: 48.0

Prerequisite(s): CAD 283

Building on the skills developed in CAD 283 (Advanced CAD Modeling), you will use the 3D models you created in the major project to produce virtual prototypes using photo-realistic images and animated sequences. You will produce a one minute animated video of the model that shows the assembly of the components or the operation of a mechanism. Your animation will be created and used in the context of being an extremely valuable visualization tool for use in the engineering design process. You will also create a rapid prototype model of one of your components out of ABS plastic using a StrataSys FDM (fused deposition modeler) Rapid Prototyping machine.

CAD 297 CAD Customization

Credit Units: 2.0 Course Hours: 35.0

Prerequisite(s): DRFT 391

Corequisite(s): COSC 193

Equivalent Course(s): CAD 192

You will learn how to produce user functions to automatically generate geometry (based on user specified input). You will develop programs and functions in both LISP and VBA.

CAD 298 Engineering Seminars

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CAD 105

Equivalent Course(s): CAD 286

You will investigate advanced features of Computer Aided Drafting (CAD) software used in the program and in local industry. You will attend presentation with local users that will share their product expertise. You will be introduced to incremental upgrades to software. You will receive an introduction to other relevant software.

CAD 299 CAD/CAM Systems Management

Credit Units: 2.0 Course Hours: 32.0

Prerequisite(s): CAD 191, ELTR 287

You will study the basics of managing engineering documentation. You will learn to manage computer systems in an engineering environment. The course provides an introduction to the functions of a system operator/manager. You will learn the requirements to plan for, deploy and manage a system of computers in an engineering and manufacturing environment. Classroom and lab experiences will help you install a current networked operating system and set up and administrate users, groups, hardware and software.

CADA 200 Cadastral Theory 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MAT 110, SRVY 105, SRVY 106

Your studies will focus on real property and interests in real property. You will explore the elements of a cadastre and land registration systems. You will study the different types of boundaries. The course introduces the land surveyor and discusses their role in real property, land registration and boundaries. You will study the provincial and federal legislation that define the expectations and requirements for land surveys and land surveyors. The course introduces the basics of the Dominion Land Survey System.

CADA 201 Cadastral Theory 2 and Cadastral Surveying

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CADA 200

Your studies will focus on the principles of boundaries of different systems. You will study offshore boundaries within the context of International and national guidelines. You will discuss the essential principles for determining maritime boundary locations. You will also discuss Aboriginal land law and the Dominion Land Survey Systems' properties. You will calculate both key geodetic locations within the systems and theoretic layout parameters. Finally, you will participate in common cadastral field surveys and prepare survey deliverables.

CADD 120 Computer Aided Drafting 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): DRFT 105

You will develop fundamental computer aided drafting (CAD) skills using industry-standard software. You will construct two-dimensional geometric construction, dimensioning and drawing output.

CADD 124 Computer Aided Drafting 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): DRFT 390

Building on your computer aided drafting (CAD) skills, your studies will focus on intermediate and advanced 2D-CAD drafting, and improving your efficiency with CAD software.

CADD 125 Civil Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CADD 120

Corequisite(s): SRVY 108

Equivalent Course(s): COAP 108

You will use standard drafting practices to produce typical civil engineering drawings using Computer Aided Drafting (CAD) software. You will use the basic concepts of civil design software to import surveying data and produce civil engineering drawing software.

CADD 126 Computer Aided Drafting Management

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): CADD 120

You will study Computer Aided Drafting and Design (CADD) management. You will construct drafting standards and demonstrate use of digital communication and time management tools. You will study file management and quality assurance/quality control processes.

CADD 127 Architectural Drafting

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CADD 120

You will be introduced to architectural building modelling. You will create an intelligent model of a building while practicing foundational commands and applying digital transformation principles. You will also be introduced to the National Model Codes of Canada. You will use software such as Autodesk Revit to an essential skill level.

CADD 128 Manufacturing Drafting

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CADD 120

You will study 3D parametric modeling and drafting and produce 2D drawing documentation for product design and manufacturing. You will create drawings with reference to best practices and technical standards. You will use software such as Autodesk Inventor to an essential skill level.

CADD 200 Computer Aided Drafting 4

Credit Units: 3.0 Course Hours: 48.0

Prerequisite(s): CADD 221, COAP 127

You will be introduced to programming in AutoLISP. You will use the programming language integrated into AutoCAD (AutoLISP) to develop routines to automate and enhance the standard AutoCAD functions.

CADD 211 Computer Aided Drafting 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CADD 120

Building on your computer aided drafting (CAD) skills, your studies will focus on intermediate and advanced 2D CAD drafting. You will develop drawing sets and produce annotative objects.

CALC 181 Technical Mathematics and Integral Calculus

Credit Units: 5.0 Course Hours: 68.0

Prerequisite(s): MATH 182

Equivalent Course(s): CALC 100, CALC 190, MAT 221

You will receive a sound calculus background for solving a wide range of problems in the field of mechanical engineering. You will receive an introduction to integral calculus and learn how to apply it in a variety of situations. Differential and integral calculus will be expanded to include transcendental functions.

CALC 190 Integral Calculus

Credit Units: 5.0 Course Hours: 72.0

Prerequisite(s): MATH 193

Equivalent Course(s): CALC 181, MAT 246

Building on the knowledge you acquired in MATH 193, you will study the differentiation and integration of algebraic and transcendental functions and the applications of these concepts to max/min problems, root solutions, areas, volumes, centroids, moments of inertia, arc length and surface area.

CALC 281 Differential and Integral Calculus

Credit Units: 4.0 Course Hours: 65.0

Prerequisite(s): MATH 384

Equivalent Course(s): MAT 223

Building on the knowledge acquired in MATH 384 (Technical Mathematics), you will be introduced to the fundamentals of differentiation and integration of algebraic and transcendental functions. You will apply these concepts to curve sketching, max/min problems, related rates, velocity, acceleration, root solutions, bounded area, average value and root-mean-square value.

CALC 282 Differential Equations and Transforms for Electronics

Credit Units: 3.0 Course Hours: 48.0

Prerequisite(s): CALC 281

Building on the knowledge acquired in CALC 281 (Calculus), you will study classical and Laplace transform methods of solving first and second order integral-differential equations. You will then apply these methods to solving problems that are modelled by first and second order integral-differential equations. The course will conclude with a basic study of the use of Laplace transforms to determine a transfer function and simplify a system modelled by transfer functions.

CALC 30 Calculus 30

Credit Units: 1.0 Course Hours: 80.0

High School Completion Course.

CALC 30CE Calculus 30

Credit Units: 1.0 Course Hours: n/a

High School Completion Course.

CAM 200 Computer Aided Manufacturing 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MACH 111, MACH 150

Corequisite(s): CAM 201

You will use computer software to draw and create 2D tool paths for computer numerical control (CNC) milling centers. You will simulate your tool paths on the computer and run your program on a CNC mill.

CAM 201 Computer Aided Manufacturing 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MACH 151

Corequisite(s): CAM 200

You will use computer software to draw and create 2D tool paths for computer numerical control (CNC) turning centers. You will simulate your tool paths on the computer and run your program on a CNC lathe.

CAM 202 Computer Aided Manufacturing 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CAM 200, CAM 201, MACH 202*

You will use computer software to draw and create 3D tool paths for computer numerical control (CNC) milling centers. This includes advanced surfacing and high speed roughing techniques. You will simulate your tool paths on the computer and run your program on a CNC mill.

CAMP 102 Winter Camp

Credit Units: 1.0 Course Hours: 15.0

You will participate in a winter camp and apply the principles of snowmobile safety, winter emergency survival techniques, and ice safety techniques. You will increase your competency for working under arduous conditions while exploring winter ecology in a boreal setting.

CAMP 103 Geotechnical Survey Camp

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MATH 138, SRVY 102

Corequisite(s): SRVY 103

Equivalent Course(s): CAMP 225

You will participate in surveying, drilling and soil characterization exercises in the field in order to locate a structure as assigned. Your first step will be to locate the property boundaries and drilling site locations. You will then undertake a drilling exercise to collect soil samples on the property and perform a soils characteristic analysis to determine the overall site characteristics. The data gathered through these field and lab exercises will be used to recommend a site location for a proposed structure.

CAMP 104 Environmental Field Work 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENVR 102

Corequisite(s): GIS 110

You will participate in field exercises related to baseline environmental assessment and characterization of a subject site using the knowledge gained in previous courses supplemented with new field procedures. You will utilize GIS software to analyze field data spatially and use this to allow you to identify the baseline conditions of a subject site.

CAMP 105 Survey Camp

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 110, SRVY 123

Using the knowledge gained in previous surveying and computer aided drafting software courses, you will participate in surveying exercises and perform three projects in the field. In the first project, you will document, design and lay out a section of highway including a horizontal curve. In the second project you will collect closed traverse data and produce the drawing. In the third project, you will use the data collected using Global Positioning System (GPS) survey equipment in the field to produce a topographic map.

CAMP 204 Environmental Field Work 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CAMP 104, ENVR 236

You will participate in field exercises related to environmental assessment and characterization of terrestrial and aquatic environments including the sampling, monitoring, and analysis of air, soil, sediment, surface water, and groundwater. You will apply the results of your field exercises to the characterization and evaluation of contaminant pathways and potential or actual risk(s) to identified receptors. You will act as the safety coordinator for field activities.

CAMP 205 Boreal Field Work

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): CAMP 204

You will participate in field activities within a boreal forest setting. You will become familiar with both the terrestrial and aquatic environments within the forest and be able to compare and contrast them to equivalent settings in a prairie landscape. You will also investigate an aquifer located in the sandy soils of a forest landscape, and explore the nutrient and energy flow of a boreal ecosystem.

CAMP 220 Survey Field Camp 1

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): DRFT 390, SRVY 201

You will apply the knowledge gained in previous surveying and drafting courses. You will use various instruments to gather data and use this data to produce a topographic plan of your survey.

CAMP 225 Survey Camp

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): COAP 108*, SRVY 222*

Equivalent Course(s): CAMP 224

Using the knowledge gained in previous surveying and Computer Aided Drafting (CAD) courses, you will participate in surveying exercises and perform two projects in the field. In the first project, you will use the data collected in the field to produce a topographic map of one area. In the second project, you will document, design and layout a section of roadway including a horizontal curve. You will be introduced to the application of GPS survey equipment.

CAMP 226 Field Camp

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SRVY 109

You will participate in a number of field activities at the Hannin Creek Education and Applied Research Centre (HCEARC). You will perform a hydrographic survey of a river, perform an aquifer test to determine aquifer parameters and test the quality of a drinking water supply.

CAMP 280 Programming Lab 1

Credit Units: 6.0 Course Hours: 90.0

You will learn the skills needed to plan and lead outdoor education/recreational activities. Your studies will include planning outdoor programs with minimal environmental impact is emphasized through sustainability activities.

CAMP 281 Outdoor Programming Lab

Credit Units: 7.0 Course Hours: 105.0

The course provides an opportunity for you to develop your leadership and group management skills as you apply the program planning and community development process in a seasonally appropriate environment. You will work within an organizational structure that will ensure camp standards are established and maintained. You will implement a process to ensure a fair and equitable allocation of resources.

CAMP 305 Winter Aquatic Surveys

Credit Units: 1.0 Course Hours: 15.0

You will participate in a winter camp and apply the principles of winter water quality and under-ice fish netting techniques. You will increase your competency for working under arduous conditions while exploring winter ecology in a boreal setting.

CAMP 402 Natural Resources Field Techniques

Credit Units: 3.0 Course Hours: 45.0

You will immerse yourself in wildlife management field techniques. You will work through a variety of scenarios to develop tools and techniques for dealing with wildlife. You will develop field skills suitable for resource officers including how to manage public relations when working with problem wildlife.

CAMP 412 Aquatic Field Surveys

Credit Units: 2.0 Course Hours: 30.0

Your training will include an engagement in aquatic resource management field techniques. You will work directly with a variety of aquatic organisms, learn and complete survey protocols, and collect field data. You will study and practice the ethical treatment and proper handling of fish.

CAMP 413 Resource and Environmental Law Field Techniques

Credit Units: 2.0 Course Hours: 30.0

You will immerse yourself in boreal field management and resource enforcement techniques. You will demonstrate boating enforcement and trailer towing and unloading techniques. You will also collect evidence, conduct field compliance inspections and enforcement procedures for different game harvesting methods.

CAMP 415 Natural Resources Field Technician-Forestry

Credit Units: 1.0 Course Hours: 15.0

You will immerse yourself in forestry management field techniques. You will work through a variety of scenarios to develop tools and techniques for managing forests. You will develop field skills suitable for resource technicians including how to manage forestry projects.

CAMP 416 Natural Resources Field Technician-Wildlife

Credit Units: 2.0 Course Hours: 30.0

You will immerse yourself in wildlife management field techniques. You will work through a variety of scenarios to develop tools and techniques for dealing with wildlife. You will develop field skills suitable for resource technicians including managing public relations when working with problem wildlife.

CAPL 100 Know Yourself: Exploring Skills & Interests

Credit Units: 1.0 Course Hours: 15.0

You will use a variety of tools and activities to identify your personal career interests, preferences and values. The tools will include the Strong Interest Inventory and the Myers-Briggs Type Indicator. You will also identify your transferable skills and begin to explore career options.

CAPL 1000 Career Planning

Credit Units: 0.0 Course Hours: 25.0

Learners will engage in online individualized learner centered career exploration that involves self-reflection and academic assessments. Learners will inventory their technical skills, academic knowledge, employment readiness, interests, strengths and areas of difficulty that will lead to personalized academic and career plans. Digital literacy skills will be embedded in learning and an online learning platform (Brightspace) will be used extensively. Academic advisor will individually assist learners as needed. All learners will complete an individualized and comprehensive career plan linked to employment.

CAPL 101 Labour Market Research

Credit Units: 2.0 Course Hours: 30.0

You will use a variety of resources to locate information on occupations and employers of interest. You will also gather and interpret current labour market information relevant to your career and employment goals. You will use the information you have gathered to revise and refine your career goals.

CAPL 102 Career Action Plan

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): CAPL 101

You will organize and analyze the information you have gathered in previous courses to find and choose the work placement that best meets your needs. You will be responsible for researching and selecting your own work placement, with assistance and support from your instructors. You will identify barriers to your career and employment success and discuss strategies for overcoming them. You will also set short term and long term career and employment goals.

CAPL 144 Academic Management

Credit Units: 2.0 Course Hours: 24.0

The course focuses on designing academic management plans that take adult learners and their personal/academic well being into consideration. You will review the whole person model, time management, neurolinguistic programming accessing cues, learning styles and study techniques. You will then use the results to create the individualized study plan needed to complete the program.

CAPL 145 Writing Skills

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): COMM 119

You will review basic grammar and the mechanics of writing. You will also produce examples of technical writing (including basic reports, research papers using the American Psychological Association (APA) format and using reference materials). You will receive instruction and practice in written communication skills.

CAPL 146 Personal and Professional Development

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CAPL 144

You will explore personal and professional development as it relates to the addictions and mental health industry. You will be introduced to the concepts of personal and professional development in a holistic and multifaceted approach. You will also be introduced to practical ways of exploring self-concept, self-esteem and raising one's self-esteem using "focusing" and a values clarification process to develop personal and professional goals.

CAPL 150 Hospitality Career Development

Credit Units: 3.0 Course Hours: 45.0

You will discuss the scope, nature and trends of the hospitality industry. You will develop a personal career action plan and the skills necessary to be successful in today's job market. You will visit local hotels and observe operations.

CAPL 151 Career Development

Credit Units: 3.0 Course Hours: 45.0

You will discuss the scope, nature and trends of the food service industry. You will tour industry locations, observe the workplace, and ask questions to apply and/or clarify theory you have learned. You will also receive an overview of the sectors that make up the industry, as well as discuss the skills needed to be successful in today's job market. Finally, you will learn strategies for developing resumes, cover letters and electronic portfolios and will have an opportunity to practice job interview skills.

CAPL 151CE Career Development

Credit Units: 3.0 Course Hours: n/a

You will discuss the scope, nature and trends of the food service industry. You will tour industry locations, observe the workplace, and ask questions to apply and/or clarify theory you have learned. You will also receive an overview of the sectors that make up the industry, as well as discuss the skills needed to be successful in today's job market. Finally, you will learn strategies for developing resumes, cover letters and electronic portfolios and will have an opportunity to practice job interview skills.

CAPL 200 Career Development

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SEM 201

You will research agencies in the recreation and tourism industry to select a practicum that meets career goals. You will also create an employability presence that includes the development of a resume and cover letter and the opportunity to participate in mock job interviews.

CAPL 201 Sport Career Development

Credit Units: 1.0 Course Hours: 15.0

You will advance your career readiness to enter the sport industry. Specifically, you will develop a personal brand, practice skills in job searching, cover letter and resume writing, interviewing, and cultivate your interpersonal skills.

CCMP 600 Fundamentals of Cloud Computing

Credit Units: 3.0 Course Hours: 45.0

You will study the core concepts and features of cloud computing. You will explore cloud computing delivery services and network operations. Also, you will analyze cloud deployment models and determine their benefits and challenges.

CCMP 601 Fundamentals of Blockchain

Credit Units: 3.0 Course Hours: 45.0

You will study the core concepts and features of blockchain technologies. You will explore blockchain as a service. Also, you will analyze the benefits and challenges of cryptocurrencies and blockchain-based solutions and you will configure a blockchain network.

CCMP 602 Provisioning and Security of Cloud Resources

Credit Units: 3.0 Course Hours: 45.0

You will be able to describe the characteristics of cloud computing providers. You will study the provisioning of cloud computing, storage, and networking resources. Finally, you will implement cloud-based solutions.

CCMP 603 Introduction to Smart Contracts

Credit Units: 3.0 Course Hours: 45.0

You will discuss smart contracts and their functions. You will analyze the cost of designing and implementing smart contracts. You will explore smart contracts and their uses. You will analyze, design, and implement smart contracts.

CCMP 604 Orchestration of Cloud Resources

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CCMP 600, CCMP 602

You will study the microservice architecture. You will discuss how microservices and agile methodologies contribute to the development of portable, scalable, and extensible applications. You will create container-based applications.

CCMP 605 Cloud Data Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CCMP 600, CCMP 602

You will study cloud data protection. You will delve into data modernization, databases, and file storage cloud solutions. Also, you will implement strategies for backup and data recovery.

CCMP 606 Integrated Services Using Smart Contracts

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CCMP 601, CCMP 603

You will explore smart contracts and their uses. You will analyze the benefits and downsides of implementing smart contracts. You will implement different types of smart contracts. You will analyze, design, and implement distributed applications (DApps).

CDBM 190 Introduction to Database Management

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): COSC 180

You will receive instruction and practice in using an industry standard database management application program. You will learn how to design queries, forms and reports to manage an underlying database. You will also create functions and procedures to add advanced functionality to the database management system.

CDBM 280 Database Management Systems

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): CDBM 190

You will receive instruction and practice in planning, designing and accessing data in a relational database. You will study the theory behind relational databases, relational database nomenclature and optimizing database design through normalization. You will create queries and manipulate a relational database using standard SQL statements (including using SQL in a procedural environment to create procedures, functions and triggers).

CDBM 600 Database Design and Development

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): CDBM 603

You will learn the essentials of database management systems. You will design normalized database models and data access techniques. You will study database scripting and automation as well as backup and disaster recovery techniques. You will explore emerging trends in database technology including cloud storage, alternatives to the relational database model, and the role of big data in business.

CDBM 601 Database Management Systems

Credit Units: 3.0 Course Hours: 45.0

You will explore the design and development of a relational database to store data for an application. You will learn modeling techniques to convert the data storage requirements of the client into specifications for a relational database. You will become familiar with normalization, a technique that helps ensure that database entity and referential integrity are maintained during creation, update and deletion of data. You will employ Structured Query Language (SQL) to access and manipulate data within the database. You will employ views to simplify query development. Finally, you will be presented with descriptions and concepts of non-relational databases.

CDBM 602 Data Engineering

Credit Units: 3.0 Course Hours: 45.0

You will study the conversion of business questions into data mining problems. You will identify sources of an organization's data. You will use strategies to transform that data into a meaningful format for data mining which will involve you developing an understanding of data modeling and transformation.

CDBM 603 Enterprise Data Architecture

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CDBM 602

You will study enterprise data architecture and associated technologies. Your studies will include the fundamentals of relational data models and a discussion of the problems of redundancy and fragmentation. You will study the role of non-relational data models within organizations. Your studies will include data solution approaches such as data warehouses, data marts, data lakes and decentralized data models for micro services.

CDEP 155 Behaviour and Drug Dynamics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MHA 148

You will be introduced to the pharmacological and physiological effects of drugs on the body. You will also discuss six major drug classifications. You will examine, in detail, key drugs of abuse encountered as addictions workers. You will also practice presenting information on drugs to education groups.

CDEP 158 Substance Use Disorders/Disorder Patterns

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CDEP 179

You will discuss the theories, etiology, and best practices of working with clients with substance use disorders. You will also review the addictions and recovery processes for alcohol, cocaine and marijuana for adults and adolescents.

CDEP 174 Detoxification Management

Credit Units: 1.0 Course Hours: 18.0

Prerequisite(s): CDEP 155

You will examine various detoxification programs across Canada. You will examine special considerations needed for withdrawal management, including clients with concurrent disorders and issues related to concurrent disorders in working with clients who may be mandated for services such as those on probation or parole, youth clientele and clients infected with Hepatitis C, HIV or AIDS. You will also be introduced to the detoxification management process that is done by qualified medical personnel.

CDEP 175 The Impact of Substance Use on Families

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MHA 142

You will examine the progressive erosion of family functioning as chemical dependency progresses. The effects on the addicted person's spouse, children, parents and adult children of alcoholics will be given specific attention. You will examine the effect of mental health issues and family laws and policies. You will examine the types of abuses that occur in a family. You will also be introduced to various referral strategies for families entering into the healing process.

CDEP 176 Human Relations in Mental Health and Addictions

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CDEP 178, CDEP 180, CDEP 161

You will examine the importance of interpersonal competence and communication in one's personal and professional life. You will study self-disclosure and the various levels needed for personal and professional use. The course content includes trust building, active listening, verbal and non-verbal communication and building relationships with individuals from diverse backgrounds.

CDEP 177 Conflict Resolution in Mental Health and Addictions

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CDEP 172

Equivalent Course(s): CDEP 173

You will introduced to theory and skills for effective anger, fear and conflict management. You will learn how to identify sources of anger, fear and conflicts. You will be given opportunities to practice assertiveness, conflict resolution, confrontation and negotiation skills. You will also explore the implications that arise when working with people affected by addictions and from various cultural backgrounds.

CDEP 178 Fetal Alcohol Spectrum Disorder

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): CDEP 155

You will be introduced to the basic concepts of Fetal Alcohol Syndrome (FAS) and partial Fetal Alcohol Syndrome (pFAS). The course emphasizes the importance of identifying those at risk for FASD neurodevelopmental disorder, early intervention and strategies for working with clients and their families affected by Fetal Alcohol Spectrum Disorder (FASD).

CDNS 280 Canadian Government

Credit Units: 3.0 Course Hours: 45.0

You will become familiar with the history of the Canadian government and system of parliament (including the constitution from 1867 to present). You will learn the broad principles of government and parliament. This includes the concepts of executive federalism and responsible government.

CDNS 300 Canadian Government

Credit Units: 3.0 Course Hours: 45.0

You will examine the structure and function of the various arms of Canada's federal government. You will compare Canada's government to those of the United States and Great Britain, and examine governmental change in Canada from colony to independent nation. Through classroom lecture, small group discussion, assigned reading and independent study and research, you will examine the Canadian Constitution and the Charter of Rights and Freedoms, and analyze the issues, processes and dynamics of the relationship between Canadian citizens and their government.

CEXP 1001 Career Essentials

Credit Units: 0.0 Course Hours: 100.0

Learners will engage in individualized learner centered career exploration that involves self-reflection and academic assessments. Portfolios will be used extensively throughout the course to assist students and document their assets. Learners will inventory their technical skills, academic knowledge, employment readiness, interest, strengths and areas of difficulty that will lead to personalized academic and career plans and portfolios. Digital literacy skills will be embedded in learning and an online learning platform (Brightspace) will be used extensively. All learners will complete an individualized and comprehensive plan for attaining employment which may include academic upgrading.

CEXP 142 Discovering Entrepreneurship 1

Credit Units: 1.0 Course Hours: 15.0

You will explore the characteristics of successful entrepreneurs, the advantages and challenges of owning a business and the reasons for business failure. You will also complete a self-assessment questionnaire to determine your personal strengths and weaknesses. The course content includes personal goal setting and personal budgeting.

CEXP 144 Discovering Entrepreneurship 2

Credit Units: 3.0 Course Hours: 45.0

You will learn how to use a personal computer as a small business tool to conduct financial, statistical, and marketing research. You will discuss the process of business idea generation and opportunity identification, feasibility analysis and the importance of business planning. The course content includes methods of getting into business and forms of ownership.

CEXP 145 Discovering Entrepreneurship 3

Credit Units: 1.0 Course Hours: 15.0

In the course, you will have the opportunity to engage entrepreneurs and small business owner/operators in discussions about the opportunities and challenges you will encounter in planning, establishing and operating a successful business venture.

CHEM 100 Chemistry

Credit Units: 2.0 Course Hours: 30.0

You will receive a general overview of the fundamental principles in the structure, formation and interaction of chemical compounds and the importance of chemistry in industrial operations.

CHEM 101 Applied Chemistry for Veterinary Technology

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): CHEM 185

Your studies will include a review of inorganic chemistry, organic compounds and biochemical pathways important in understanding the chemical reactions that occur in the body. You will also develop safe laboratory skills, prepare chemical solutions, and analyze acid-base reactions as relevant to the veterinary field.

CHEM 102 General Chemistry 1

Credit Units: 3.0 Course Hours: 45.0

You will study essential chemical concepts including atomic structure, nomenclature, stoichiometry, aqueous solutions, thermodynamics, quantum theory and chemical bonding. In the mandatory lab component, you will be introduced to standard laboratory techniques.

CHEM 103 General Chemistry 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 102

You will study properties of liquids, solids and solutions. You will study rates and equilibrium for chemical reactions with application to acids and bases and consider aspects of thermodynamics and electrochemistry. In the mandatory lab component, you will practice standard laboratory techniques.

CHEM 104 Radiation and Laboratory Safety

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 189*

You will demonstrate safe laboratory practices in compliance with health and safety requirements. You will describe how to prevent radiation exposure, as well as how to measure it with personal and area monitoring programs.

CHEM 110 Clinical Chemistry 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 103, INFC 180, MTER 180, PROC 185, PROC 180, QC 101, CHEM 111*

Your studies will focus on the principles and application of analytical techniques including light measuring electrochemical and biochemical analyses. You will correlate urinalysis, blood gas, electrolyte, carbohydrate and renal function results to clinical pathology. You will apply previously learned knowledge.

CHEM 111 Clinical Chemistry 1 (Lab)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 103, INFC 180, MTER 180, PROC 185, PROC 180, QC 101, CHEM 110*

In this course you will focus on the principles and application of light measuring, electrochemistry, and biochemical techniques to produce and assess valid results in urinalysis, blood gases, electrolytes, carbohydrates, and renal function. A combination of automated, manual and microscopic techniques will be used to perform analyses. You will apply previously learned laboratory theory and skills.

CHEM 125 Chemistry 1

Credit Units: 4.0 Course Hours: 60.0

You will gain knowledge in the identification, analysis and solving problems in the analysis of chemical compounds and reactions used in instrumentation. This course stresses the design of and applied chemical analysis used in instrumentation analyzers.

CHEM 150 Organic Chemistry 1

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): CHEM 151, CHEM 178

You will be introduced to the chemistry of organic compounds. You will begin by reviewing the concepts of chemical bonding. You will use these concepts to examine structure and bonding in typical classes of organic compounds. The names, physical properties and uses of the common functional groups will be introduced. You will examine the chemistry of organic compounds in terms of the preparation of typical functional groups, and the mechanisms of simple reactions.

CHEM 1500 Chemistry Bridging

Credit Units: 0.0 Course Hours: 100.0

Provides pre-requisite knowledge of chemistry for students to be prepared for the Chemistry 30 course.

CHEM 151 Organic Chemistry 1 Lab

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): CHEM 150

You will be introduced to the safe handling and use of organic chemicals in a laboratory. This will include the proper use of chemical fume hoods and personal protective equipment. You will identify chemical properties of common organic functional groups (alkanes, alkenes, alkynes, alkyl halides, alcohols, ethers, and amines), and test the chemical reactivity of these substances. The concept of stereochemistry and chirality in organic molecules will also be explored using molecular models. Single step synthetic protocols will be followed, and common synthetic organic techniques will be explored. These techniques will include liquid-liquid extraction, separations based on distillation, filtration, and chromatography, as well as simple characterization of organic molecules by melting point determination, IR spectroscopy, and chromatographic techniques.

CHEM 152 Organic Chemistry 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CHEM 150, CHEM 151

You will be introduced to the nomenclature and structure of common functional groups (aldehydes, ketones, carboxylic acids, acid chlorides, anhydrides, esters, amides, carbohydrates, and common linkages in polymers) in organic molecules. The chemical properties and reactivities of these organic functional groups will also be explored. You will discuss methods to characterize organic molecules (including the use of infrared, and nuclear magnetic resonance techniques). You will study the properties, structures, reactions and industrial uses of several important classes of compounds.

CHEM 153 Organic Chemistry 2 Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 150, CHEM 151

You will use common synthetic organic techniques to explore the properties and reactivity of common organic molecules (aldehydes, ketones, carboxylic acids, acid chlorides, anhydrides, esters, amides, carbohydrates, and polymers), and to carry out a multi-step synthetic protocol. You will also learn how to prepare and analyze samples by infrared (IR) spectroscopy and nuclear magnetic resonance spectroscopy (NMR).

CHEM 160 Introduction to Underground Mining

Credit Units: 6.0 Course Hours: 90.0

You will receive an overview of the mining industry, mining processes, mine safety and mining terminology. Workplace legislation and regulatory agencies will also be examined. Lecture material is supplemented extensively with video resources.

CHEM 171 General Chemistry

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): CHEM 172, MATH 178, SAFE 180

You will study chemistry concepts and principles as they apply to the biosciences. You will examine the physical and chemical properties of matter. You will study chemical reactions and the thermodynamic properties of chemical reactions.

CHEM 172 General Chemistry Lab

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): CHEM 171, MATH 178, SAFE 180

You will perform chemical laboratory experiments to explore the physical and chemical properties of matter. You will study the safe handling of chemicals in the laboratory. You will study the math used in the laboratory.

CHEM 173 Analytical Chemistry

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 171, CHEM 172, MATH 178

You will study chemical analysis techniques. You will apply quality assurance to evaluate and standardize acids, bases, and buffers. You will use statistics to validate experimental data.

CHEM 174 Analytical Chemistry Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 171, CHEM 172, MATH 178

Corequisite(s): CHEM 173

You will study topics related to safe working practices and procedures in the bioscience laboratory. You will examine government regulations and industrial laboratory safety guidelines.

CHEM 176 Clinical Chemistry 1

Credit Units: 5.0 Course Hours: 70.0

Prerequisite(s): MTER 180, APHY 282*, PROC 180*, QC 194*

Your studies will focus on the principles and application of analytical techniques. These include basic light measuring systems, electrochemistry and laboratory automation. You will develop the skills needed to produce valid analytical results to assess blood gases, electrolytes, carbohydrates and renal function.

CHEM 178 General Chemistry 1

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): CHEM 188

You will receive an overview of the fundamental chemical theory and properties of the elements and their compounds. The laboratory experiments are designed to help you examine the practical aspects of chemical theory. You will also receive an introduction to laboratory techniques.

CHEM 179 General Chemistry 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CHEM 178, MATH 192

Equivalent Course(s): CHEM 188

You will study chemical theory and properties of aqueous solutions. Your studies will focus on chemical reactions, chemical equilibrium, stoichiometry reactions and the solubility of compounds.

CHEM 1806 St Assist Chem

Credit Units: 0.0 Course Hours: 1.0

Student Assist Chemistry

CHEM 184 Urinalysis

Credit Units: 2.0 Course Hours: 23.0

Prerequisite(s): MTER 180, APHY 282*, PROC 180*

You will perform and assess chemical and microscopic urinalysis.

CHEM 184CE Urinalysis

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): MTER 180, APHY 282*, PROC 180*

You will perform and assess chemical and microscopic urinalysis.

CHEM 185 General Chemistry

Credit Units: 5.0 Course Hours: 75.0

You will be introduced to the fundamentals of chemical theory needed for health professionals. You will develop basic laboratory skills and learn how to work safely in laboratory settings.

CHEM 189 Radiation Laboratory

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CHEM 104*

You will learn the importance of accurate labelling and tracking of radioactive materials and conduct an audit of a personal or area monitoring programs. You will calibrate and use equipment to measure radiation levels. You will interpret the gathered data in written and verbal summaries.

CHEM 190 Organic Chemistry and Biochemistry

Credit Units: 3.0 Course Hours: 48.0

Prerequisite(s): CHEM 185

The course provides an introduction to organic compounds and biochemical pathways important in understanding the physiology of health, nutrition and chemical reactions that occur in the body processes.

CHEM 191 Organic Chemistry 1

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): CHEM 178

You will be introduced to the chemistry of organic compounds. This includes organic compounds that are composed primarily of carbon (C), hydrogen (H), nitrogen (N), oxygen (O) and a few other elements. You will begin by reviewing the concepts of chemical bonding (including electron orbitals, hybrid atomic orbitals and molecular orbitals). You will use these concepts to examine structure and bonding in typical classes of organic compounds. The names, physical properties and uses of most of the common functional groups will be introduced. You will examine the chemistry of organic compounds in terms of the preparation of typical functional groups, the mechanisms of simple reactions and the synthesis of some industrially and biochemical useful materials.

CHEM 192 Uranium Processes

Credit Units: 2.0 Course Hours: 30.0

You will examine the uranium industry in Saskatchewan and learn about different mining techniques. You will review the different mining and milling sites in Saskatchewan and develop an understanding of the processes used to convert ore to yellowcake, and to convert yellowcake to uranium hexafluoride.

CHEM 199 Clinical Chemistry 2

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): CHEM 176

You will learn advanced light measuring techniques, enzymology theory and the skills needed to produce valid results to assess cardiovascular, liver and pancreatic function. Various kit tests will be included.

CHEM 199CE Clinical Chemistry 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): CHEM 176

You will learn advanced light measuring techniques, enzymology theory and the skills needed to produce valid results to assess cardiovascular, liver and pancreatic function. Various kit tests will be included.

CHEM 200 Engineering Chemistry

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 110

Equivalent Course(s): WTER 230

You will study the general principles of chemistry and chemical calculations. The concepts and application of stoichiometry, concentration determination, equilibrium, acid-base chemistry, pH, volumetric and gravimetric analysis will be used to describe the chemistry of aquatic systems.

CHEM 201 Environmental Chemistry

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CHEM 200

You will apply fundamental chemical principles acquired in previous courses, to environmental processes. You will study how to incorporate chemical principles in analyses of natural process as well as industrial and other anthropogenic impacts on air, water, and soil. You will also study how they apply to environmental monitoring, control and analysis.

CHEM 210 Clinical Chemistry 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 110, CHEM 111, IMMU 183*

Equivalent Course(s): CHEM 279

This course will focus on the application of light measuring principles to produce and assess valid results using enzymology, toxicology and immonassay techniques. You will correlate results to cardiac, liver and pancreatic pathology in addition to toxicology. You will apply previously learned laboratory theory and skills.

CHEM 211 Chemistry Result Correlation

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 210

Equivalent Course(s): PATH 181

This course will provide context for laboratory results as they pertain to diseases and disorders of various body systems. This information will be used to correlate the validity of laboratory results. You will develop critical thinking skills to investigate discrepancies and sources of error in unexpected and implausible results. You will discuss problem solving strategies and appropriate actions prior to reporting.

CHEM 212 Clinical Chemistry 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 210, CHEM 211*

This course will focus on the development of skills to produce and assess valid results in advanced areas of the medical laboratory including osmometry, chromatography, mass spectrometry, electrophoresis and immunoassay testing. You will apply previously learned laboratory theory and skills.

CHEM 225 Chemistry 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 125

You will gain knowledge of analytical chemistry and instrumentation to study the theory and practices of chemical sampling and analysis. This course presents fundamentals and techniques of chemical laboratory .measurement

CHEM 250 Analytical Chemistry

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 179, MATH 192, STAT 101, LABT 150

Corequisite(s): CHEM 251

You will be introduced to the basic methods and chemistry of manual analytical techniques coupled with a description of selected methods in sampling, separation and data treatment. In your focus on wet chemistry processes, you will solve problems involving acid-base, neutralization, precipitation, solubility equilibrium, complex formation, and oxidation-reduction titrations.

CHEM 251 Analytical Chemistry Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 179, MATH 192, STAT 101, LABT 150

Corequisite(s): CHEM 250

You will be introduced to the basic laboratory methods of manual analytical techniques coupled with data treatment. The use of precision laboratory equipment and achieving precision and accuracy in scientific measurements will be emphasized in your laboratory work. You will perform acid-base, neutralization, precipitation, complex formation, and oxidation-reduction titrations. You will perform gravimetric analysis and prepare buffers.

CHEM 279 Clinical Chemistry 2

Credit Units: 3.0 Course Hours: 50.0

Prerequisite(s): CHEM 176, IMMU 183*

You will learn advanced light measuring techniques, as well as enzymology and immunoassay theory. You will develop the skills needed to produce and assess valid results.

CHEM 280 Clinical Chemistry

Credit Units: 5.0 Course Hours: 69.0

Prerequisite(s): APHY 281, CHEM 190, STAT 285, VETR 279, VETR 287

Corequisite(s): ANES 279, HEMA 281, HEMA 282, PRST 280, SEM 281, VETR 290

Your studies will focus on the chemical components of blood plasma in selected domestic animals. You will learn the normal parameters for health and changes that occur in disease states. Your lab work will include use of a spectrophotometer, reflectance photometry, immunological testing & blood typing. You will also practice the techniques of urinalysis.

CHEM 282 Nuclear Chemistry

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CHEM 178, MATH 189

You will be introduced to the fundamental concepts of nuclear chemistry. Your studies will include: radioactivity, rates of decay, nuclear reactions, radioactive isotopes, radiation measurement, radiation units and safety, the biological effects of radiation, and the use of radiation detection devices in the laboratory.

CHEM 284 Analytical Chemistry

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): CHEM 179, MATH 192

You will be introduced to the basic methods and chemistry of manual analytical techniques coupled with a description of selected methods in sampling, separation and data treatment. The use of precision laboratory equipment and achieving precision and accuracy in scientific measurements will be emphasized in your laboratory work. You will perform acid-base, neutralization, precipitation, complex formation and oxidation-reduction titrations. You will also perform gravimetric analyses and solve problems involving solubility equilibrium.

CHEM 287 Organic Chemistry

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CHEM 171, CHEM 172

You will study the chemical and physical properties of organic compounds and their applications in industrial bioscience. You will distinguish functional groups of organic molecules and their nomenclature. You will examine organic chemical reactions, stereoisomers and bonding. You will apply laboratory techniques to extract and characterize organic compounds.

CHEM 288 Clinical Chemistry 3

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CHEM 279, IMMU 183*

You will develop skills to produce and assess valid results in advanced areas of the medical laboratory.

CHEM 289 Blood Gases

Credit Units: 2.0 Course Hours: 25.0

Prerequisite(s): CLIN 190, CLIN 193, CLIN 198

Your studies will focus on developing the skills needed to produce valid analytical results to assess blood gases with metabolites. You will study the clinical application of these tests, electrochemistry and troubleshooting techniques.

CHEM 289CE Blood Gases

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): CLIN 190, CLIN 193, CLIN 198

Your studies will focus on developing the skills needed to produce valid analytical results to assess blood gases with metabolites. You will study the clinical application of these tests, electrochemistry and troubleshooting techniques.

CHEM 290 Organic Chemistry 2

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): CHEM 191

Building on the skills you developed in Organic Chemistry 1 (CHEM 191), you will review functional groups, nomenclature, simple reactions, stereochemistry and bonding. You will be introduced to procedures for common functional groups. You will discuss methods of separating and analyzing organic compounds (including the use of infrared, ultraviolet and visible, and nuclear magnetic resonance techniques in structure determination). You will study the properties, structures, reactions and industrial uses of several important classes of compounds in detail.

CHEM 292 Physical Chemistry 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CHEM 179, MATH 289, STAT 101

You will learn the basic principles, laws, and theories of thermodynamics and thermochemistry. You will develop the ability to derive equations that describe the phenomena being studied, and to solve quantitative problems. Your practical experiments in the laboratory will provide the opportunity to investigate different aspects of some of these driving principles.

CHEM 293 Physical Chemistry 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CHEM 292

You will learn the principles and theories of physical chemistry for phase and chemical equilibrium processes. The course will also focus on the effects of intermolecular forces on the properties of matter. You will investigate factors which influence the kinetics of reactions. Your laboratory experiments will give you the opportunity to investigate different aspects of molecular interactions.

CHEM 295 Plant and Process Chemistry

Credit Units: 3.0 Course Hours: 45.0

You will receive a general overview of the main aspects involved with chemical process industries. You will study the industrial and chemical processes used to convert raw material into a variety of products specific to Saskatchewan industries. Tours to various industrial sites will accompany some of the topics you will cover.

CHEM 296 Water Chemistry

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CHEM 179

You will be introduced to the chemistry of water as it applies to the industrial use of water. You will become familiar with the basic methods used in monitoring the water quality in power plant boilers. You will also investigate the treatment of effluent water from industrial processes to ensure it can be safely returned to the environment. The practical component will include analysis for hardness, pH, sedimentation, etc. as well as industrial site visits.

CHEM 30 Chemistry 30

Credit Units: 1.0 Course Hours: 100.0

Chemistry 30 will expand on the study of chemical properties and bonds and ask learners to investigate what makes materials suitable for use in specific household and industrial applications. We will also explore the nature of equilibrium in chemical reactions including solution chemistry and acid-base reactions. Learners will explore oxidation-reduction reactions and the impact of electrochemistry on society and the environment. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

CHEM 30CE Chemistry 30

Credit Units: 1.0 Course Hours: n/a

Chemistry 30 will expand on the study of chemical properties and bonds and ask learners to investigate what makes materials suitable for use in specific household and industrial applications. We will also explore the nature of equilibrium in chemical reactions including solution chemistry and acid-base reactions. Learners will explore oxidation-reduction reactions and the impact of electrochemistry on society and the environment. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

CIRC 102 Printed Circuit Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MGMT 102

You will develop industry-standard schematics using a computer. You will import schematics into a printed circuit board (PCB) design program. You will learn the basic theory regarding printed circuit layout. Some discussion will be devoted to the computer numerical control (CNC) based mechanical subtractive process for rapid PCB prototyping and to designing industry standard PCBs using a software design package.

CIRC 103 Linear Circuits

Credit Units: 3.0 Course Hours: 49.0

Prerequisite(s): ELTR 125

You will learn how to interpret amplifier specifications from a manufacturer's data sheet. You will design operational-amplifier (op-amp) circuits for amplification, comparison, filtering and mathematical operations. You will also design circuits using inverting and non-inverting op-amp configurations.

CIRC 104 Sensors

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ELTR 196

You will use various sensors to convert physical parameters into usable electrical signals.

CIRC 105 Basic Electronics

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): CIRC 106

Equivalent Course(s): ELTR 117

Your studies will focus on the principles of electronic circuits. You will study direct current (DC) and alternating current (AC) circuits, and solid-state devices. Circuit analysis techniques will be emphasized throughout the course.

CIRC 106 Basic Electronics Lab

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): CIRC 105

Equivalent Course(s): ELTR 118

The practical instruction in the laboratory supports the fundamentals of electronic circuits. The course covers basic skills in building, measuring, and analyzing electronic circuits with contemporary laboratory equipment.

CIRC 107 Digital Electronics

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CIRC 105, CIRC 106

Corequisite(s): CIRC 108

Equivalent Course(s): DGTL 225

You will study the principles of digital logic and digital logic components. You will design and analyze basic logic circuits.

CIRC 108 Digital Electronics Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CIRC 105, CIRC 106

Corequisite(s): CIRC 107

Equivalent Course(s): DGTL 226

You will demonstrate principles of digital logic circuits and logic functions.

CIRC 200 Automation Circuits 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CIRC 107, CIRC 108

Corequisite(s): COMP 218

Equivalent Course(s): ENGE 224

You will study the operation and applications of electro-mechanical relays. Your studies will focus on the concepts of normally open, normally closed, instantaneous and time-delay relay contacts and coils. As an introduction to programmable logic controllers (PLCs), you will design logic control circuits using electro-mechanical relays and compact PLCs.

CIRC 201 Automation Circuits 3

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CIRC 222

Equivalent Course(s): CNTR 227

You will study the design and implementation of logic control systems using microprocessor-based modular programmable logic controllers (PLCs). The course content includes using graphical programming languages. You will configure, select, and study the installation of PLCs. Practical lab applications will include programming timers, counters, math instructions and sequential operations.

CIRC 202 Industrial Data Communications and Networks

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CIRC 222

Corequisite(s): CIRC 203

You will study digital communication concepts, industrial networks, local area networks, and wide area networks including fiber optics.

CIRC 203 Industrial Data Communications and Networks Lab

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CIRC 222

Corequisite(s): CIRC 202

You will design, analyze, install and evaluate digital data communication systems in industrial automation.

CIRC 220 Analog Integrated Circuits

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGE 107, ENGE 200

You will be introduced to differential amplifiers and be able to identify the characteristics of ideal operational amplifiers (op-amps). You will calculate negative feedback, op-amp frequency responses, comparators, summing amplifiers, integrators, differentiators, active filters, and oscillators.

CIRC 222 Automation Circuits 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CIRC 200, COMP 218

You will study the analysis, design and troubleshooting of automation equipment. You will gain insight into microprocessor, microcontroller, and programmable logic controller (PLC) applications in industrial measurement and control.

CKEY 101 Keyboarding 1

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): COAP 132, COMP 155

You will develop ergonomic keyboarding techniques to attain a minimum touch-typing speed of 35 netWPM with a minimum of 98% accuracy.

CKEY 101CE Keyboarding 1

Credit Units: 2.0 Course Hours: n/a

You will develop ergonomic keyboarding techniques to attain a minimum touch-typing speed of 35 netWPM with a minimum of 98% accuracy.

CKEY 102 Keyboarding 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CKEY 101

Equivalent Course(s): COAP 134

You will demonstrate ergonomic and proper keyboarding techniques to attain a minimum speed of 45 net WPM with a minimum of 98% accuracy.

CKEY 102CE Keyboarding 2

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): CKEY 101

You will demonstrate ergonomic and proper keyboarding techniques to attain a minimum speed of 45 net WPM with a minimum of 98% accuracy.

CKEY 186 Keyboarding 2

Credit Units: 1.0 Course Hours: 16.0

Prerequisite(s): CKEY 189

Equivalent Course(s): CKEY 122, TYPG 144

You will continue to build skill using the entire alphabetic keyboard. You will be encouraged to work on individual goals to increase speed and/or accuracy levels. The minimum speed requirement is 35 net words per minute on three 5-minute timed writings.

CKEY 188 Word Processing

Credit Units: 1.0 Course Hours: 30.0

You will learn to prepare a variety of documents relative to their field of study while expanding their expertise in using more advanced Microsoft Word features.

CKEY 189 Keyboarding 1

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): CKEY 184

You will build skill and develop speed using both the alphabetic keyboard and the numeric keypad. Rapid touch keyboarding with a high degree of accuracy will be emphasized. You will be encouraged to set individual goals to increase your speed and accuracy levels. You will be required to attain a speed of 30 words per minute on three-minute timings.

CKNG 100 Food Presentation and Garnish (Theory)

Credit Units: 1.0 Course Hours: 15.0

You will learn the fundamental principles and procedures of hot and cold food presentation and garnish. This will include concepts and principles related to the planning, preparation and service of buffets and plate service.

CKNG 101 Food Presentation and Garnish (Practical)

Credit Units: 2.0 Course Hours: 30.0

You will apply the principles and procedures you learned in Food Presentation and Garnish (Theory) CKNG 100. This will include arranging and garnishing foods on plates and platters and planning, preparing and serving hot and cold buffets.

CKNG 102 Garde Manger (Theory)

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): FOOD 182

You will learn the procedures for preparing hot and cold sandwiches, salads, fruits and salad dressings.

CKNG 103 Garde Manger

Credit Units: 4.0 Course Hours: 60.0

You will prepare hot and cold sandwiches, fruits, salads and salad dressings.

CKNG 104 Vegetables, Starches and Pasta (Theory)

Credit Units: 1.0 Course Hours: 15.0

You will learn the fundamental principles and procedures to prepare, cook, serve and store vegetables, starches and pasta.

CKNG 105 Vegetables, Starches and Pasta (Practical)

Credit Units: 5.0 Course Hours: 70.0

You will practice the procedures you learned in CKNG 104 (Vegetables, Starches and Pasta Theory). You will select, prepare, cook, serve and store fresh vegetables, starches and pasta products.

CKNG 106 Stocks, Soups, and Sauces (Theory)

Credit Units: 1.0 Course Hours: 15.0

You will be introduced to the major categories of stocks, soups and sauces. You will learn the procedures and quality standards for preparing stocks, soups and sauces.

CKNG 107 Stocks, Soups and Sauces (Practical)

Credit Units: 5.0 Course Hours: 70.0

You will apply the procedures and standards you learned in CKNG 106 (Stocks, Soups and Sauces Theory). You will prepare stocks, soups, thickening agents and sauces.

CKNG 108 Breakfast and Dairy (Theory)

Credit Units: 1.0 Course Hours: 15.0

The course provides an introduction to the major types of dairy products. You will learn procedures for cooking eggs and preparing breakfast breads, cereals, meats and potatoes. You will also learn procedures for storing, serving and cooking with cheese.

CKNG 109 Breakfast and Dairy (Practical)

Credit Units: 4.0 Course Hours: 55.0

You will prepare and produce breakfast and dairy products. This includes cooking eggs using a variety of methods, preparing various omelettes, breakfast breads, breakfast meats and potatoes. You will also store, serve and cook with cheese.

CKNG 110 Basic Cooking Principles

Credit Units: 1.0 Course Hours: 18.0

Equivalent Course(s): FOOD 189

The course provides an introduction to the fundamental principles and methods that are the foundation of the cooking trade. You will study the major cooking methods and preliminary seasoning, flavouring, cooking, mise en place and pre-preparation techniques.

CKNG 118 A la Carte Cooking

Credit Units: 4.0 Course Hours: 60.0

You will prepare a variety of meals and food items appropriate for an a la carte cooking environment. The focus will be on integrating a wide range of skills you learned in previous courses in the program.

CKNG 119 Breakfast Cooking Fundamentals

Credit Units: 4.0 Course Hours: 60.0

You will prepare breakfast and dairy products. This includes cooking eggs using a variety of methods; preparing omelets, frittatas, pancakes, waffles and French toast, cooking breakfast meats and potatoes.

CKNG 139 Introduction to Cooking

Credit Units: 3.0 Course Hours: 45.0

The course provides an introduction to the fundamental principles and methods that are the foundation of the cooking trade. You will study the major cooking methods and preliminary seasoning, flavoring, cooking, mise en place and pre-preparation techniques. You will learn the principles and procedures for the safe handling of tools and equipment and the principles of safety and sanitation.

CKNG 140 Kitchen Operations

Credit Units: 4.0 Course Hours: 60.0

You will learn the best practices of how to inventory, order, receive, and store food. You will learn the control process and study government legislation as it applies to managing staff. You will also learn how to determine food cost and how to apply this knowledge to correctly pricing food for sale.

CKNG 141 Bakery 1

Credit Units: 4.0 Course Hours: 60.0

You will learn to prepare yeast leavened bread, chemically leavened quick breads, as well as cookies and fruit pies.

CKNG 142 Vegetables, Starches and Complimentary Proteins

Credit Units: 4.0 Course Hours: 60.0

You will select, clean, process, and cook a variety of vegetables, starches, and complimentary proteins. You will apply calculations to determine necessary yields to meet production quotas.

CKNG 143 Stocks, Soups and Sauces

Credit Units: 4.0 Course Hours: 60.0

You will prepare the major types of soups, sauces and stock.

CKNG 144 Garde Manger

Credit Units: 4.0 Course Hours: 60.0

You will prepare items from the repertoire of Garde Manger including hot and cold sandwiches, salads and salad dressings, vegetable and fruit platters. You will examine the operation of a salad bar and service of relevant a la carte menu items from the cold kitchen.

CKNG 145 Breakfast

Credit Units: 4.0 Course Hours: 60.0

You will prepare food items particular to the service of the breakfast meal. You will study and prepare eggs, breakfast specific proteins, breakfast specific quick breads, hot and cold cereals, and potatoes.

CKNG 146 Meat, Seafood and Poultry Processing

Credit Units: 4.0 Course Hours: 60.0

You will process various cuts of meat, seafood and poultry. Your studies will include the safe handling and storage of the product.

CKNG 147 Meat, Seafood, Poultry and alternative/plant based proteins cooking

Credit Units: 4.0 Course Hours: 60.0

You will cook a variety of proteins using moist and dry heat methods. There will be a focus on safe holding procedures and portion control.

CKNG 149 Cold Foods

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): CKNG 103

You will prepare hot and cold sandwiches, fruits, salads and salad dressings as used in health care settings.

CKNG 150 Kitchen Foundations

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): CKNG 138

In this course you will explain and demonstrate basic skills and techniques of food preparation in the kitchen, including: the organization and evolution of the professional kitchen; cleaning and sanitizing workspaces and equipment, mis en place; receiving; handling and storing groceries; counting inventory; basic principles of cooking; food science; and food preservation. In addition to theory, you will practice basic skills in a lab setting.

CKNG 151 Introduction to Cooking in Healthcare

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SANT 111*, SAFE 113*

Equivalent Course(s): CKNG 139

The course introduces the fundamental principles and methods that are the foundation of cooking in health care settings. You will study the major cooking methods and preliminary seasonings, flavoring, cooking, mise en place, and pre-preparation techniques as used in health care settings. You will learn the principles and procedures for the safe handling of tools and equipment and the principles of safety.

CKNG 152 Breakfast Cooking

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SANT 111*, SAFE 113*

Equivalent Course(s): CKNG 119

You will prepare breakfast and dairy products as used in health care settings. This includes cooking eggs using a variety of methods, preparing omelets, frittatas, pancakes, waffles and French toast, and cooking breakfast meats and potatoes.

CKNG 153 Introduction to Indigenous Cuisine

Credit Units: 1.0 Course Hours: 15.0

You will study the historical background of Indigenous cuisine and various ingredients used in Indigenous cookery.

CKNG 180 Basic Cooking Principles

Credit Units: 2.0 Course Hours: 35.0

Prerequisite(s): EQPT 108, SFTY 192, SANT 181

Equivalent Course(s): CKNG 110

The course provides an introduction to the fundamental principles and methods that are the foundation of the cooking trade. You will study the major cooking methods and preliminary seasoning, flavoring, cooking, mise en place and pre-preparation techniques.

CKNG 181 Bakery 1

Credit Units: 5.0 Course Hours: 70.0

Prerequisite(s): CKNG 180

The course provides an introduction to the basic principles of baking, baking ingredients and their uses. You will learn the procedures for producing yeast dough and for quick breads and prepare various breads, biscuits, muffins, and cookies.

CKNG 182 Bakery 2

Credit Units: 4.0 Course Hours: 60.0

You will prepare rich dough breads, éclair paste, dessert sauces, custards, specialty cookies, and dessert sauces.

CKNG 182CE Bakery 2

Credit Units: 5.0 Course Hours: n/a

You will prepare rich dough breads, éclair paste, dessert sauces, custards, specialty cookies, and dessert sauces.

CKNG 183 Food Presentation and Garnish

Credit Units: 5.0 Course Hours: 70.0

Prerequisite(s): CKNG 180

You will learn the fundamental principles and procedures of hot and cold food presentation and garnish. Classroom and lab experiences will help you plan, prepare, and serve hot and cold buffets.

CKNG 184 Garde Manger

Credit Units: 5.0 Course Hours: 70.0

Prerequisite(s): CKNG 180

The course provides an introduction to procedures for preparing hot and cold sandwiches, salads, fruits and salad dressings. You will prepare salads, sandwiches, and cold entree plates.

CKNG 185 Vegetables, Starches and Pasta

Credit Units: 5.0 Course Hours: 70.0

Prerequisite(s): CKNG 180

You will learn procedures for preparing, cooking, serving and storing vegetables starches and pasta. You will select, prepare, cook, serve and store fresh vegetables, starches and pasta products.

CKNG 186 Stocks, Soups, and Sauces 1

Credit Units: 1.0 Course Hours: 16.0

Prerequisite(s): CKNG 180

Your studies will focus on the procedures and quality standards for preparing stocks, soups and leading sauces. You will prepare the major types of soups, sauces and stocks, thickening agents and pan gravies.

CKNG 187 Breakfast and Dairy

Credit Units: 5.0 Course Hours: 70.0

Prerequisite(s): CKNG 180

You will learn the procedures for breakfast cookery including procedures for cooking with milk, cream and cheese products. You will prepare eggs using a variety of methods, and also a variety of other breakfast items including breads, cereals, meats and potatoes.

CKNG 188 A la Carte Cooking

Credit Units: 5.0 Course Hours: 70.0

Prerequisite(s): CKNG 180

Equivalent Course(s): CKNG 118

You will prepare a variety of meals and food items appropriate for an a la carte cooking environment. You will integrate a wide range of skills you learned in previous courses in the program.

CKNG 189 Quantity Food Production

Credit Units: 5.0 Course Hours: 70.0

Prerequisite(s): CKNG 180

Equivalent Course(s): FOOD 100

You will prepare, produce and serve foods in large quantities. You will apply portion and quality controls.

CKNG 190 Short Order Food Production

Credit Units: 5.0 Course Hours: 70.0

Prerequisite(s): CKNG 180

Equivalent Course(s): FOOD 102

You will plan, prepare and serve short order food items.

CKNG 191 Meat Seafood and Poultry Processing

Credit Units: 5.0 Course Hours: 70.0

Prerequisite(s): CKNG 180

Your studies will focus on the composition and handling of meat, poultry and seafood following the Canadian systems for classifying, inspecting and grading of meat, poultry and seafood.

CKNG 192 Meat, Seafood and Poultry Cooking

Credit Units: 5.0 Course Hours: 70.0

Prerequisite(s): CKNG 180

The course provides an introduction to the general principles of cooking and handling meats, seafood and poultry. You will learn a variety of preparation and cooking techniques for beef, pork, poultry, lamb, veal and seafood. You will apply dry and moist heat methods in the preparation of these products.

CKNG 193 Kitchen Operations

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CKNG 180

You will apply the basic fundamentals of kitchen operations to manage a successful professional kitchen.

CKNG 217 Line Cooking

Credit Units: 3.0 Course Hours: 45.0

You will plan, prepare, and serve short order food items.

CKNG 218 Dining 1

Credit Units: 4.0 Course Hours: 60.0

You will prepare meals a la carte (to order). You will focus on teamwork, kitchen organization, and line cooking in the preparation of a dining room menu.

CKNG 219 Charcuterie

Credit Units: 4.0 Course Hours: 60.0

You will prepare a variety of processed and cured meat items. You will prepare hot and cold hors d'oeuvres. You will discuss types of cheese and prepare fresh cheese.

CKNG 220 Field to Fork and Indigenous Cuisine

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): CKNG 137, CKNG 138

Corequisite(s): CKNG 218, CKNG 219

You will learn the benefits of raw, unprocessed, and organic foods. The course also examines the food chain as it relates to local producers. You will have an opportunity to use locally produced foods to prepare an Indigenous meal.

CKNG 221 Dining 2

Credit Units: 4.0 Course Hours: 60.0

Your studies will expose you to current developments and popular food trends in the cooking profession. You will prepare contemporary foods in a restaurant setting. You will gain a working knowledge of wine and wine pairings important to today's successful chefs. You will also examine other types of beverages significant to foodservice operation. You will have the opportunity to prepare a variety of beverages.

CKNG 222 Sauces

Credit Units: 2.0 Course Hours: 30.0

Your studies will explore current trends in sauce cookery, including pairing sauces with other food items and finishing techniques. You will prepare specialty sauces and garnishes.

CKNG 223 Food Presentation

Credit Units: 3.0 Course Hours: 45.0

You will learn the fundamental principles of food presentation, including plating, photography, and the use of social media for promotion. You will have the opportunity to present food in an appealing and contemporary manner.

CKNG 224 Field to Fork

Credit Units: 2.0 Course Hours: 30.0

You will explore conventional and organic food supply chains. You will discuss the pros and cons of GMO's and organics in relation to global food security. You will plan, prepare, and serve a FARM TO TABLE event.

CKNG 225 Hors d'oeuvres

Credit Units: 2.0 Course Hours: 30.0

You will prepare a variety of hors d'oeuvres, canapés, dips, and other small plates. You will also study the various types of caviar.

CKNG 280 Garde Manger 2

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): CKNG 184

You will study advanced theory and cooking techniques for garde manger. You will prepare items that include hot and cold hors d'oeuvres and a variety of cold processed meat products. You will also evaluate various forms of cheese.

CKNG 281 Soups and Sauces 2

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): CKNG 186

Building on the skills you developed in Stocks, Soups and Sauces 1, your studies will explore current trends in soups and sauce cookery including pairing soups and sauces with other food items and finishing techniques. You will prepare a variety of soups from the major soup categories as well as specialty soups. You will also prepare specialty sauces and garnishes.

CKNG 282 Meat, Poultry and Seafood 2

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): CKNG 192

Building on the skills you developed in Meat Seafood and Poultry Cooking, you will apply cooking techniques for premier, exotic and game meat, poultry and seafood cookery.

CKNG 283 Vegetables, Fruits and Starches 2

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): CKNG 185

You will prepare vegetables, fruits, grains and starches using multi-step preparation techniques.

CKNG 284 Baking and Pastry Arts

Credit Units: 4.0 Course Hours: 60.0

Building on the skills you developed in Bakery 1 and Bakery 2, you will prepare and finish high end pastry products and fillings.

CKNG 285 International Cuisine

Credit Units: 4.0 Course Hours: 60.0

You will study and prepare cuisine from trending international cuisines.

CKNG 286 Field to Fork Experience

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CKNG 180

You will learn the benefits of raw, unprocessed and organic foods. The course also examines the food chain as it relates to local producers. You will have an opportunity to prepare locally-produced foods.

CKNG 287 Indigenous Cuisine

Credit Units: 4.0 Course Hours: 60.0

You will examine various models of local and organic supply chains with a focus on Indigenous cuisine. You will have the opportunity to plan and prepare Indigenous foods.

CKNG 288 Nutrition and Special Diet Cooking

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): CKNG 180

You will examine in-depth cooking with a focus on nutrition and special diet concerns.

CKNG 289 Contemporary Cuisine

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): CKNG 180

Your studies will expose you to the current developments and popular food trends in the cooking profession. You will prepare contemporary foods in a restaurant setting.

CKNG 290 Catering Production

Credit Units: 4.0 Course Hours: 60.0

You will plan and prepare foods for a catered event.

CKNG 290CE Cater & Special Event Planning

Credit Units: 5.0 Course Hours: n/a

You will plan and prepare foods for a catered event.

CKNG 291 Wines and Beverages

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CKNG 180

You will gain a working knowledge of wine and wine pairings important to today's successful chefs. You will also examine other types of beverages significant to food service operation. You will have an opportunity to prepare a variety of beverages.

CKNG 292 Food Services Management

Credit Units: 4.0 Course Hours: 60.0

You will study operational management techniques and skills important for today's successful chefs. The course examines key areas that include managing the front of the house, basics of table service, customer service and exceeding expectations, and computer and point of sale applications.

CLB 1601 Canadian Language Benchmark 1

Credit Units: 0.0 Course Hours: 400.0

Under the Language Instruction for Newcomers to Canada (LINC) program, funded by Citizenship and Immigration Canada, this course increases English language skills to CLB level 1 in listening, speaking, reading and writing while also providing education on Canadian culture & traditions including employment language and protocols. For permanent residents only.

CLB 1602 Canadian Language Benchmark 2

Credit Units: 0.0 Course Hours: 400.0

Under the Language Instruction for Newcomers to Canada (LINC) program, funded by Citizenship and Immigration Canda, this course increases English language skills to CLB level 2 in listening, speaking, reading and writing while also providing education on Canadian culture & traditions including employment language and protocols. For permanent residents only.

CLB 1603 Canadian Language Benchmark 3

Credit Units: 0.0 Course Hours: 400.0

Under the Language Instruction for Newcomers to Canada (LINC) program, funded by Citizenship and Immigration Canada, this course increases English language skills to CLB level 3 in listening, speaking, reading and writing while also providing education on Canadian culture & traditions including employment language and protocols. For permanent residents only.

CLB 1604 Canadian Language Benchmark 4

Credit Units: 0.0 Course Hours: 400.0

Under the Language Instruction for Newcomers to Canada (LINC) program, funded by Citizenship and Immigration Canada, this course increases English language skills to CLB level 4 in listening, speaking, reading and writing while also providing education on Canadian culture & traditions including employment language and protocols. For permanent residents only.

CLB 1605 Canadian Language Benchmark 5

Credit Units: 0.0 Course Hours: 400.0

Under the Language Instruction for Newcomers to Canada (LINC) program, funded by Citizenship and Immigration Canada, this course increases English language skills to CLB level 5 in listening, speaking, reading and writing while also providing education on Canadian culture & traditions including employment language and protocols. For permanent residents only.

CLB 1606 Canadian Language Benchmark 6

Credit Units: 0.0 Course Hours: 400.0

Under the Language Instruction for Newcomers to Canada (LINC) program, funded by Citizenship and Immigration Canada, this course increases English language skills to CLB level 6 in listening, speaking, reading and writing while also providing education on Canadian culture & traditions including employment language and protocols. For permanent residents only.

CLB 1607 Canadian Language Benchmark 7

Credit Units: 0.0 Course Hours: 400.0

Under the Language Instruction for Newcomers to Canada (LINC) program, funded by Citizenship and Immigration Canada, this course increases English language skills to CLB level 7 in listening, speaking, reading and writing while also providing education on Canadian culture & traditions including employment language and protocols. For permanent residents only.

CLB 1608 Canadian Language Benchmark 8

Credit Units: 0.0 Course Hours: 400.0

Under the Language Instruction for Newcomers to Canada (LINC) program, funded by Citizenship and Immigration Canada, this course increases English language skills to CLB level 8 in listening, speaking, reading and writing while also providing education on Canadian culture & traditions including employment language and protocols. For permanent residents only.

CLB 1609 Canadian Language Benchmark 9

Credit Units: 0.0 Course Hours: 400.0

Under the Language Instruction for Newcomers to Canada (LINC) program, funded by Citizenship and Immigration Canada, this course increases English language skills to CLB level 9 in listening, speaking, reading and writing while also providing education on Canadian culture & traditions including employment language and protocols. For permanent residents only.

CLB 1610 Canadian Language Benchmark 10

Credit Units: 0.0 Course Hours: 400.0

Under the Language Instruction for Newcomers to Canada (LINC) program, funded by Citizenship and Immigration Canada, this course increases English language skills to CLB level 10 in listening, speaking, reading and writing while also providing education on Canadian culture & traditions including employment language and protocols. For permanent residents only.

CLIM 200 Meteorology

Credit Units: 3.0 Course Hours: 45.0

You will study properties of the atmosphere and the conditions that produce and modify weather. Through practical exercises, you will interpret and forecast weather conditions.

CLIN 100 Clinical 1 - Special Care

Credit Units: 7.0 Course Hours: 105.0

Prerequisite(s): SPCR 104, SPCR 105, ANAT 100, SPCR 192, COMM 291

Equivalent Course(s): PRAC 101

In a long term care setting, you will participate in a supervised clinical experience following the hours of work of that site. You will assist clients who require personal care/comfort.

CLIN 100CE Clinical-1 Special Care

Credit Units: 7.0 Course Hours: 112.0

Prerequisite(s): SPCR 104, SPCR 105, ANAT 100, SPCR 192, COMM 291

In a long term care setting, you will participate in a supervised clinical experience following the hours of work of that site. You will assist clients who require personal care/comfort.

CLIN 101 Clinical - Records Management and Professionalism

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HINF 160*

Equivalent Course(s): CLIN 161

In this clinical experience, you will apply basic health information management principles to theory and the clinical setting. You will focus on basic health record procedures including chart assembly and chart review. You will also learn about electronic records management. You will apply professionalism, employability skills and various health information management duties while in the workplace setting.

CLIN 101CE Clinical - Records Management and Professionalism

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): HINF 160*

In this clinical experience, you will apply basic health information management principles to theory and the clinical setting. You will focus on basic health record procedures including chart assembly and chart review. You will also learn about electronic records management. You will apply professionalism, employability skills and various health information management duties while in the workplace setting.

CLIN 102 Clinical - Coding 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CLIN 101*, MED 161*, APHY 100*

Your clinical experience will focus on the introductory concepts behind coding with the International Statistical Classification of Diseases and Related Health Problems, 10th revision, Canada/Canadian Classification of Health Interventions (ICD-10-CA/CCI). You will learn how to code basic neoplasm and infection cases. You will also learn about the Canadian Institute for Health Information.

CLIN 102CE Clinical - Coding 1

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): CLIN 101*, MED 161*, APHY 100*

Your clinical experience will focus on the introductory concepts behind coding with the International Statistical Classification of Diseases and Related Health Problems, 10th revision, Canada/Canadian Classification of Health Interventions (ICD-10-CA/CCI). You will learn how to code basic neoplasm and infection cases. You will also learn about the Canadian Institute for Health Information.

CLIN 103 Health Assessment and Praxis 1

Credit Units: 10.0 Course Hours: 150.0

Corequisite(s): PHAR 101

You will demonstrate, at an introductory level, the assessments and skills associated with the care of adult and geriatric patients. Your experiential learning will provide opportunities to practice your skills and abilities for patients in long term care environments. You will apply the nursing process and principles of patient teaching and practice documentation.

CLIN 104 Health Assessment and Praxis 2

Credit Units: 9.0 Course Hours: 135.0

Prerequisite(s): BIOL 102, CLIN 103, NURS 163, NURS 171, NURS 172, PHAR 101

Corequisite(s): PHAR 102

Equivalent Course(s): NURS 238

You will practice assessments and skills associated with rehabilitative and supportive care. Your experiential learning will provide opportunities for assessment and care of adults with chronic health challenges. You will demonstrate the concepts of patient safety, critical thinking, and evidence informed practice in the delivery of patient care and teaching.

CLIN 105 Integrated Clinical Practice 1

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): BIOL 103, CLIN 104, NURS 176, NURS 240, NURS 293, PHAR 102

Equivalent Course(s): PRAC 260

You will apply your knowledge and skills related to holistic nursing care of patients. Your experiential learning will focus on rehabilitative and supportive care for patients experiencing a variety of health challenges. With faculty guidance, you will demonstrate the principles of health teaching and perform complete and focused health assessments. You will demonstrate professional behaviour and practice collaborative relationships with patients and the interprofessional team to deliver safe, competent, and ethical patient care.

CLIN 106 Clinical Practice Education Experience

Credit Units: 16.0 Course Hours: 240.0

Prerequisite(s): NRSG 223

During a preceptored clinical practice education experience in a high acuity setting, you will transition to nursing practice. You will demonstrate competence in theoretical and practical knowledge in nursing, make use of effective communication skills, and perform a self-evaluation. You will also provide holistic, safe, competent, ethical, and professional nursing care.

CLIN 107 Clinical Practice Education 1

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): BIOL 102*, NRSG 100*, NRSG 101*, NRSG 110*, NRSG 111*

You will provide safe, competent, and holistic client-centred psychiatric nursing care for at least one client while managing self-care. You will apply the nursing process as you demonstrate evidence-informed practice. You will establish a therapeutic relationship as you demonstrate foundational nursing skills in a clinical practice education setting.

CLIN 108 Clinical Practice Education 2

Credit Units: 10.0 Course Hours: 150.0

Prerequisite(s): BIOL 102, BIOL 103, CLIN 107, NRSG 100, NRSG 101, NRSG 109, NRSG 110, NRSG 111, NRSG 112, NRSG 113, NRSG 114, NRSG 234

You will focus on safe, competent, and holistic client-centred psychiatric nursing care for a minimum of two clients in a clinical practice education setting. You will recognize the importance of health and mental health promotion, as well as illness prevention and detection. You will develop therapeutic relationships and demonstrate therapeutic use of self. You will critically evaluate evidence-informed nursing care while managing self-care. You will also demonstrate the ability to safely administer medications.

CLIN 110 Clinical Dental Assisting Practice 1

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): APHY 160, DENT 159, DENT 166, DNTL 167, DNTL 168, DNTL 169, DNTL 171, DNTL 172, DNTL 173, RDGR 161, DNTL 262*, RDGR 162*

You will develop skills and knowledge in clinical dental assisting for client care and dental office reception skills in the Saskatchewan Polytechnic Dental Assisting clinic. You will progress towards the competence required of an entry-level dental assistant.

CLIN 111 Clinical Dental Assisting Practice 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 110, DENT 282, DNTL 174, DNTL 262, PATH 262, PRAC 115, RDGR 162, DENT 180*

You will perform clinical dental assisting skills for client care and dental office reception skills in the Saskatchewan Polytechnic Dental Assisting Clinic. You will discuss the application of professional standards and plan for employment. You will achieve competence required of an entry-level dental assistant.

CLIN 112 Clinical Procedures

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): SIMU 100*

You will participate in a supervised clinical experience. Upon successfully completing this experience, you will be prepared to perform several specific procedures in the clinical laboratory.

CLIN 113 Clinical Specimen Procurement and Management

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): PROC 185

You will participate in a supervised clinical experience. Upon successfully completing the experience, you will be adept at specimen procurement, data entry, receiving and distributing specimens, plus preparing specimens for analysis.

CLIN 120 Clinical Specimen Procurement and Management

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): PROC 185*, ETHC 101*

Equivalent Course(s): CLIN 293, PRAC 110

You will participate in a supervised clinical experience. Upon successfully completing the experience, you will be able to perform specimen procurement, data entry, receive and distribute specimens, plus prepare specimens for analysis.

CLIN 121 Clinical Laboratory Year 1

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): ETHC 101, MICR 111, HEMA 110

You will participate in a supervised clinical experience in microbiology and hematology. You will perform routine staining techniques, specimen handling and management in microbiology, and particle cell counter testing in hematology. Upon successful completion, you will meet specific entry level requirements for clinical practice.

CLIN 160 Clinical Component

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HLTH 165, HLTH 167

You will complete a 60 hour clinical practice education experience that integrates the knowledge from both the theory courses and the lab course (HLTH 165). Your clinical practice education experiences will be scheduled in an agency chosen by you in conjunction with the faculty of the Basic Diabetes Education for Health Care Providers program. You will be guided and directed by an experienced agency staff member who will also evaluate your competence. You will be expected to demonstrate responsibility and accountability for your own learning. You will be in an unpaid student role and require time off work to complete the clinical component.

CLIN 160CE Clinical Component

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): HLTH 165, HLTH 167

You will complete a 60 hour clinical practice education experience that integrates the knowledge from both the theory courses and the lab course (HLTH 165). Your clinical practice education experiences will be scheduled in an agency chosen by you in conjunction with the faculty of the Basic Diabetes Education for Health Care Providers program. You will be guided and directed by an experienced agency staff member who will also evaluate your competence. You will be expected to demonstrate responsibility and accountability for your own learning. You will be in an unpaid student role and require time off work to complete the clinical component.

CLIN 161 Clinical – Foundations of Health Information Management

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HINF 160*

Your foundations clinical experience will take place in a health information management department. You will learn the concepts of coding and focus on basic health record procedures including chart assembly and quantitative analysis.

CLIN 190 Clinical Radiography

Credit Units: 39.0 Course Hours: 582.0

Prerequisite(s): SIMU 280

You will participate in a supervised clinical experience at an assigned clinical site. Upon successfully completing your clinical experience, you will be able to perform routine projections/views for the abdomen and specified skeletal and respiratory systems. You will also know how to operate radiographic equipment and critique resulting radiographs. You must demonstrate appropriate patient care and radiation safety and protection.

CLIN 192 Clinical Introduction

Credit Units: 2.0 Course Hours: 36.0

Prerequisite(s): INFC 180, ETHC 185

You will participate in a supervised clinical experience at an assigned clinical site. You will observe radiographic procedures in the various areas of the clinical site where they may be performed.

CLIN 193 Clinical Laboratory

Credit Units: 31.0 Course Hours: 468.0

Prerequisite(s): SIMU 280

You will participate in a supervised clinical experience at an assigned clinical site. You will have the opportunity to become competent in performing routine laboratory procedures by various methodologies. You will gain experience in the daily operation of the hematology and chemistry laboratory. You will also apply the previous skills you learned to perform, evaluate and report routine laboratory results.

CLIN 198 Clinical ECG

Credit Units: 2.0 Course Hours: 37.0

Prerequisite(s): SIMU 280 or SIMU 100

You will participate in a supervised clinical experience at an assigned clinical site. Upon successfully completing this experience, you will be able to competently perform ECGs.

CLIN 200 Clinical Experience 1

Credit Units: 2.0 Course Hours: 32.0

Prerequisite(s): NRSG 206, NRSG 209

Note: Prior to participating in CLIN 200 (Clinical Experience 1), you must have medical fitness, current immunization and current CPR Level 'C' (BLS Level 'C'). You will attend a 32-hour orientation practicum to re-familiarize yourself with the hospital setting, new equipment and the health care environment. You will assist clients with basic care, utilizing the nursing process, and hone your assessment, critical thinking, problem solving and decision making skills. You will use the skills you reviewed and practiced in NRSG 206 (Nursing Re-entry Lab 1) including communication with respect and courtesy, and conduct consistent with the SRNA standards and competencies and the CNA code of ethics. You will work on a one-to-one basis under the guidance of an experienced registered nurse who has volunteered to be a clinical preceptor.

CLIN 201 Clinical Experience 2

Credit Units: 16.0 Course Hours: 240.0

Prerequisite(s): NRSG 207, NRSG 208, NRSG 211, NRSG 212

Equivalent Course(s): CLIN 276

You will apply relevant theory, knowledge, skills and judgments from all of the courses and labs in the program. You will work on a one-to-one basis under the guidance of a registered nurse who has volunteered to be a clinical preceptor. The length of the clinical experience is 240 hours.

CLIN 209 Clinical Practice Education Experience

Credit Units: 16.0 Course Hours: 240.0

Prerequisite(s): NRSG 223

Progressing through an instructor-led to a preceptor-led clinical practice education experience, you will transition to a Canadian Registered Nurse. You will demonstrate competence in theoretical and practical knowledge in nursing, make use of effective communication skills, and perform a self-evaluation. You will also provide holistic, safe, competent, ethical, and professional nursing care.

CLIN 209CE Clinical Practice Education Experience

Credit Units: 16.0 Course Hours: n/a

Prerequisite(s): NRSG 223

Progressing through an instructor-led to a preceptor-led clinical practice education experience, you will transition to a Canadian Registered Nurse. You will demonstrate competence in theoretical and practical knowledge in nursing, make use of effective communication skills, and perform a self-evaluation. You will also provide holistic, safe, competent, ethical, and professional nursing care.

CLIN 213 Clinical 1

Credit Units: 10.0 Course Hours: 150.0

Prerequisite(s): NRSG 233, NRSG 234, NRSG 235, (NEPS 119 or APHY 262), (NEPS 216 or PSYC 163), NRSG 236*, NRSG 237*

Equivalent Course(s): NEPS 292, NURS 238

You will have the opportunity to apply theory and concepts learned from Term 1 to Term 3 of the Psychiatric Nursing program. You will use critical reflection, critical thinking and clinical judgment to apply wholistic psychiatric nursing care in a psycho-geriatric setting with assigned clients.

CLIN 214 Clinical Practice Education 3

Credit Units: 11.0 Course Hours: 165.0

Prerequisite(s): CLIN 108, SOCI 171, NRSG 238*, NRSG 240*, NRSG 241*, PSYC 163*

You will demonstrate psychiatric nursing assessments and interventions. You will provide safe, competent, and holistic client-centred psychiatric nursing care to a minimum of three clients. You will counsel individuals, and critically evaluate evidence-informed nursing care while demonstrating self-care concepts. You will also demonstrate safe medication administration.

CLIN 215 Clinical Practice Education 4

Credit Units: 11.0 Course Hours: 165.0

Prerequisite(s): CLIN 214, NRSG 238, NRSG 240, NRSG 241, PSYC 163, NRSG 239*, NRSG 242*, NRSG 246*, NRSG 259*

You will demonstrate psychiatric nursing assessments and interventions for individuals, groups, and/or families under faculty supervision. You will critically evaluate evidence-informed nursing care while demonstrating self-care concepts.

CLIN 216 Clinical Practice Education 5

Credit Units: 11.0 Course Hours: 165.0

Prerequisite(s): CLIN 215, NRSG 239, NRSG 242, NRSG 246, NRSG 259, NRSG 247*, NRSG 248*

You will demonstrate guided psychiatric nursing assessments and interventions for individuals, groups, and/or families. You will study current and emerging health issues for marginalized and vulnerable populations. You will critically evaluate evidence-informed nursing care. You will demonstrate increased autonomy as you engage in personal and professional developmental activities to enhance your learning while you manage self-care.

CLIN 217 Consolidated Clinical 5

Credit Units: 9.0 Course Hours: 140.0

Prerequisite(s): CLIN 216, NRSG 249*, NRSG 250*

You will have the opportunity to consolidate concepts learned during Term 1 to Term 6 of the Psychiatric Nursing program and apply new concepts learned during Term 7. You will use critical reflection, critical thinking and clinical judgment to apply wholistic psychiatric nursing care to assigned clients in a clinical setting.

CLIN 218 Preceptored Clinical 6

Credit Units: 16.0 Course Hours: 245.0

Prerequisite(s): CLIN 217

During your selected preceptored experience, you will be given the opportunity to demonstrate integration, synthesis and application of the theoretical concepts of the Psychiatric Nursing program. You will use critical reflection, critical thinking and clinical judgment to demonstrate your ability to model professional practice roles and functions.

CLIN 219 Clinical 2 - Special Care

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): CLIN 100, COMM 197, COMM 291, DEMC 100, HUMD 187, SOCI 171, SPCR 101, SPCR 102, SPCR 106, SPCR 107, SPCR 108, SPCR 284, SPCR 285

In a long term care setting, you will participate in a supervised clinical experience following the hours of work of that clinical site. You will provide care for clients who require assistance with activities of daily living.

CLIN 219CE Clinical-2 Special Care

Credit Units: 7.0 Course Hours: n/a

Prerequisite(s): CLIN 100, COMM 197, COMM 291, DEMC 100, HUMD 187, SOCI 171, SPCR 101, SPCR 102, SPCR 106, SPCR 107, SPCR 108, SPCR 284, SPCR 285

In a long term care setting, you will participate in a supervised clinical experience following the hours of work of that clinical site. You will provide care for clients who require assistance with activities of daily living.

CLIN 220 Perioperative Nursing Practice/LPN

Credit Units: 27.0 Course Hours: 400.0

Prerequisite(s): NURS 202

You will participate in a 10-week clinical experience that is limited to specific pre-selected agencies. Within the role of the LPN, you will integrate all aspects of the program into the delivery of patient care.

CLIN 221 Perioperative Nursing Practice/RN

Credit Units: 27.0 Course Hours: 400.0

Prerequisite(s): NURS 202

You will participate in a 10-week clinical experience that is limited to specific pre-selected agencies. Within the role of the RN, you will integrate all aspects of the program into the delivery of patient care.

CLIN 231 Clinical Practice Education

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HLTH 272, HLTH 273

Your clinical practice education experience consists of a 60-hour opportunity to integrate the theory you learned and the skills gained during the lab into practice. Your clinical experiences will be scheduled in an agency chosen by you in conjunction with the faculty of the Diabetes Education for Health Care Professionals program. You will be guided and evaluated by an experienced agency staff member. You will be expected to demonstrate responsibility and accountability for your own learning. You will be in an unpaid student role and require time off work to complete the clinical component.

CLIN 231CE Clinical Component

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): HLTH 272, HLTH 273

Your clinical practice education experience consists of a 60-hour opportunity to integrate the theory you learned and the skills gained during the lab into practice. Your clinical experiences will be scheduled in an agency chosen by you in conjunction with the faculty of the Diabetes Education for Health Care Professionals program. You will be guided and evaluated by an experienced agency staff member. You will be expected to demonstrate responsibility and accountability for your own learning. You will be in an unpaid student role and require time off work to complete the clinical component.

CLIN 233 Fundamental Clinical Practice Education in Critical Care

Credit Units: 5.0 Course Hours: 72.0

Prerequisite(s): NRSG 285, NRSG 286*

You will participate in a clinical experience focused on developing skills to manage the care of critical care patients through the application of theory into practice. You will be guided by a faculty member and/or clinical nurse educators and critical care preceptors in the clinical practice education.

CLIN 234 Progressive Clinical Practice Education in Critical Care

Credit Units: 7.0 Course Hours: 108.0

Prerequisite(s): CLIN 233

You will participate in clinical practice education focused on developing skills in critical thinking, clinical decision-making, and prioritization while coordinating the care of critical care patients through the integration of theory with practice. You will be guided by a faculty member and/or clinical nurse educators and critical care preceptors in the clinical practice education.

CLIN 235 Emergency Nursing Clinical Practice Education

Credit Units: 10.0 Course Hours: 144.0

Prerequisite(s): NRSG 297

You will function according to health care facility policy and registered nursing scope of practice. Clinical days 1-6 You will integrate and apply emergency nursing theory into your clinical practice. You will be guided by several health care providers, including a faculty member, a clinical educator and your preceptor in the clinical practice education. You will gain hands-on experience with a variety of assessment and clinical interventions for patients with lower acuity presentations. Clinical days 7-12 You will integrate and apply evidence informed practice in caring for higher acuity emergency patients. You will be supported by several health care providers, including a faculty member, a clinical educator and your preceptor in the clinical practice education. You will gain hands-on experience caring for multiple patients with varying acuity presentations.

CLIN 236 Clinical - Coding 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CLIN 102, APHY 200*, PATH 272*

Your clinical experience will focus on coding with the International Statistical Classification of Diseases and Related Health Problems, 10th revision, Canada/Canadian Classification of Health Interventions (ICD-10-CA/CCI). You will study body systems including: skin, musculoskeletal, cardiovascular, blood and respiratory. You will examine orthopaedic trauma cases. You will also learn how to abstract acute care data.

CLIN 236CE Clinical - Coding 2

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): CLIN 102, APHY 200*, PATH 272*

Your clinical experience will focus on coding with the International Statistical Classification of Diseases and Related Health Problems, 10th revision, Canada/Canadian Classification of Health Interventions (ICD-10-CA/CCI). You will study body systems including: skin, musculoskeletal, cardiovascular, blood and respiratory. You will examine orthopaedic trauma cases. You will also learn how to abstract acute care data.

CLIN 237 Clinical - Coding 3

Credit Units: 7.0 Course Hours: 105.0

Prerequisite(s): CLIN 236, APHY 200*, PATH 273*

Your clinical experience will build on the skills developed in Clinical - Coding 1 (CLIN 102). You will focus on coding with the International Statistical Classification of Diseases and Related Health Problems, 10th revision, Canada/Canadian Classification of Health Interventions (ICD-10-CA/CCI). You will study body systems including: digestive, hepatobiliary, urinary, reproductive, nervous, special senses and endocrine systems. You will examine nutritional, metabolic, mental and behavioural disorder cases. You will also learn how to abstract ambulatory care data.

CLIN 237CE Clinical - Coding 3

Credit Units: 7.0 Course Hours: n/a

Prerequisite(s): CLIN 236, APHY 200*, PATH 273*

Your clinical experience will build on the skills developed in Clinical - Coding 1 (CLIN 102). You will focus on coding with the International Statistical Classification of Diseases and Related Health Problems, 10th revision, Canada/Canadian Classification of Health Interventions (ICD-10-CA/CCI). You will study body systems including: digestive, hepatobiliary, urinary, reproductive, nervous, special senses and endocrine systems. You will examine nutritional, metabolic, mental and behavioural disorder cases. You will also learn how to abstract ambulatory care data.

CLIN 238 Large Animal and Specialty Clinical

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): PRAC 284

Corequisite(s): ANES 282, CLIN 239, VETR 289

You will assist in large animal case management with emphasis on cattle and horses in field service and large animal wards. You will also rotate through veterinary specialties that may include any of medical imaging, rehab, exotics, dentistry, theriogenology and ophthalmology.

CLIN 239 Small Animal Emergency and Intensive Care

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): PRAC 284

Corequisite(s): ANES 282, CLIN 238, VETR 289

You will assist in small animal case management with emphasis on in-hospital, sick and emergency patients.

CLIN 240 Health Assessment and Praxis 3

Credit Units: 13.0 Course Hours: 195.0

Prerequisite(s): CLIN 105

Equivalent Course(s): NURS 241

You will apply knowledge and skills associated with curative and restorative care and perform focused health assessments. Your experiential learning will include organizing care for adult patients with acute health challenges in the context of medical and surgical environments. You will plan patient-centred care, prepare patient teaching, and apply concepts of patient safety and critical thinking supported by your use of evidence informed practice.

CLIN 241 Health Assessment and Praxis 4

Credit Units: 15.0 Course Hours: 225.0

Prerequisite(s): CLIN 240, NURS 294, NRSG 257, NRSG 258, SOCI 201

Corequisite(s): PHAR 215

You will perform assessments and skills with increasing proficiency for adult patients requiring curative and restorative medical and surgical care. You will plan holistic nursing care supported by evidence informed practice and critical thinking. Your experiential learning will provide opportunities to demonstrate knowledge and skills related to maternal, newborn and pediatric patients. You will examine medical emergencies and plan care with increased interdependence in collaboration with the health care team.

CLIN 242 Integrated Clinical Practice 2

Credit Units: 11.0 Course Hours: 165.0

Prerequisite(s): CLIN 241, NURS 292, NRSG 298, NRSG 299, PHAR 215

You will plan safe, competent patient care working in partnership with a licensed practical nurse. You will manage patient care with increased interdependence and confidence, demonstrating enhanced organization, decision-making, and critical thinking abilities. You will examine the leadership role of the practical nurse in the context of the health care team. You will examine the value of reflective practice in relation to lifelong learning. You will establish collaborative relationships, using professional communication, and demonstrate respect for diversity and ethical practice.

CLIN 243 Clinical Practice Education 6

Credit Units: 25.0 Course Hours: 375.0

Prerequisite(s): CLIN 216, NRSG 247, NRSG 248

You will demonstrate integration, synthesis, and application of theoretical concepts. You will critically evaluate evidence-informed nursing practice as you care for high acuity clients with comorbidities. During a preceptored clinical practice education experience, you will demonstrate autonomy and leadership principles. You will model roles and responsibilities of a graduate psychiatric nurse and engage in professional development opportunities as you manage self-care.

CLIN 257 Clinical - Coding 1

Credit Units: 9.0 Course Hours: 280.0

Prerequisite(s): APHY 262*, (PATH 272* or PATH 271*), CLIN 161

Your clinical experience will focus on coding with the International Statistical Classification of Diseases and Related Health Problems, 10th revision, Canada/Canadian Classification of Health Interventions (ICD-10-CA/CCI). You will study body systems such as skin, musculoskeletal, cardiovascular, blood and respiratory systems. You will also study neoplasm, infection and orthopaedic trauma cases.

CLIN 258 Clinical - Coding 2

Credit Units: 7.0 Course Hours: 110.0

Prerequisite(s): APHY 262*, (PATH 273* or PATH 271*), CLIN 257

Your clinical experience will build on the skills developed in Clinical Coding 1 (CLIN 257). You will focus on coding with the International Statistical Classification of Diseases and Related Health Problems, 10th revision, Canada/Canadian Classification of Health Interventions (ICD-10-CA/CCI). You will study body systems including: digestive, hepatobiliary, urinary, reproductive, nervous, special senses and endocrine systems. You will examine nutritional, metabolic, mental and behavioural disorder cases. You will also learn how to abstract data.

CLIN 276 Nursing Re-entry Clinical B

Credit Units: 11.0 Course Hours: 160.0

Students will participate in an instructor-supervised clinical experience of up to one month in Regina in order to demonstrate competent performance of the clinical objectives. Clinical experience will be scheduled once or twice per year in surgical or medical areas depending on demand. Option B is designed to meet the needs of persons who are required to participate in the Nursing Update Program on the orders of the Saskatchewan Registered Nurses Association Discipline Committee, nurses involved in progressive discipline in the workplace who require knowledge and skill updating and evaluation, students who have difficulty with theory, lab or preceptor-supervised clinical portions of Option A, and students who have been unsuccessful in the Nursing Update Program, Option A.

CLIN 279 Administration of Medications Clinical

Credit Units: 2.0 Course Hours: 48.0

Prerequisite(s): PHAR 264*

This course consists of a supervised clinical experience. The length of the clinical experience is six 8-hour shifts. Students will not be paid during the experience.

CLIN 284 Clinical Hematology

Credit Units: 19.0 Course Hours: 288.0

Prerequisite(s): APHY 282, BIOL 181, CHEM 184, CHEM 288, CLIN 291, ETHC 185, ETHC 280, HEMA 283, HEMA 188, HEMA 189, HSTC 187, MICR 189, PATH 181, QC 193, QC 194, TRFS 182

You will participate in a supervised clinical experience. Upon successful completion, you will be able to perform analytical testing in a routine clinical hematology laboratory.

CLIN 285 Clinical Transfusion Science

Credit Units: 12.0 Course Hours: 180.0

Prerequisite(s): APHY 282, BIOL 181, CHEM 184, CHEM 288, CLIN 291, ETHC 185, ETHC 280, HEMA 283, HEMA 188, HEMA 189, HSTC 187, MICR 189, PATH 181, QC 193, QC 194, TRFS 182

You will participate in a supervised clinical experience. Upon successfully completing this experience, you will be able to perform analytical testing in a routine clinical transfusion science laboratory.

CLIN 286 Clinical Microbiology

Credit Units: 22.0 Course Hours: 324.0

Prerequisite(s): APHY 282, BIOL 181, CHEM 184, CHEM 288, CLIN 291, ETHC 185, ETHC 280, HEMA 283, HEMA 188, HEMA 189, HSTC 187, MICR 189, PATH 181, QC 193, QC 194, TRFS 182

You will participate in a supervised clinical experience. Upon successfully completing this experience, you will be able to apply basic and specific skills for the identification and interpretation of common clinical microorganisms for all body sites.

CLIN 287 Clinical Histotechnology

Credit Units: 10.0 Course Hours: 144.0

Prerequisite(s): APHY 282, BIOL 181, CHEM 184, CHEM 288, CLIN 291, ETHC 185, ETHC 280, HEMA 283, HEMA 188, HEMA 189, HSTC 187, MICR 189, PATH 181, QC 193, QC 194, TRFS 182 or SIMU 282

You will participate in a supervised clinical experience. Upon successfully completing this experience, you will be able to perform processing, cutting and staining procedures in a routine clinical histotechnology laboratory.

CLIN 288 Clinical - Coding 4

Credit Units: 10.0 Course Hours: 150.0

Prerequisite(s): HINF 261*

You will build on your skills in International Statistical Classification of Diseases and Related Health Problems, 10th revision, Canada/Canadian Classification of Health Interventions (ICD-10-CA/CCI) coding and abstracting. You will study human immunodeficiency virus (HIV), infections, sepsis, viral hepatitis, pregnancy/childbirth and newborn coding cases. You will also study complex coding cases. Your studies will include a review of coding practices and guidelines, data quality issues, report writing and data presentation.

CLIN 288CE Clinical - Coding 4

Credit Units: 10.0 Course Hours: n/a

Prerequisite(s): HINF 261*

You will build on your skills in International Statistical Classification of Diseases and Related Health Problems, 10th revision, Canada/Canadian Classification of Health Interventions (ICD-10-CA/CCI) coding and abstracting. You will study human immunodeficiency virus (HIV), infections, sepsis, viral hepatitis, pregnancy/childbirth and newborn coding cases. You will also study complex coding cases. Your studies will include a review of coding practices and guidelines, data quality issues, report writing and data presentation.

CLIN 291 Specimen Procurement and Management 1

Credit Units: 2.0 Course Hours: 36.0

Prerequisite(s): PROC 181

You will participate in a supervised clinical experience. Upon successfully completing this experience, you will be able to assist with specimen procurement, receive/distribute specimens and prepare specimens for analysis in a routine clinical laboratory.

CLIN 292 Clinical Molecular Biology

Credit Units: 2.0 Course Hours: 36.0

Prerequisite(s): APHY 282, BIOL 181, CHEM 184, CHEM 288, CLIN 291, ETHC 185, ETHC 280, HEMA 283, HEMA 188, HEMA 189, HSTC 187, MICR 189, PATH 181, QC 193, QC 194, TRFS 182 or SIMU 282

You will participate in a supervised clinical experience. Upon successfully completing this experience, you will be able to perform molecular diagnostic techniques to identify nucleic acid sequences.

CLIN 293 Specimen Procurement and Management 2

Credit Units: 7.0 Course Hours: 108.0

Prerequisite(s): CLIN 291

You will participate in a supervised clinical experience. Upon successfully completing this experience, you will be able to perform specimen procurement, receive/distribute specimens and prepare specimens for analysis in a routine clinical laboratory.

CLIN 294 Clinical Chemistry 4

Credit Units: 19.0 Course Hours: 288.0

Prerequisite(s): APHY 282, BIOL 181, CHEM 184, CHEM 288, CLIN 291, ETHC 185, ETHC 280, HEMA 283, HEMA 188, HEMA 189, HSTC 187, MICR 189, PATH 181, QC 193, QC 194, TRFS 182

You will participate in a supervised clinical experience. Upon successful completion, you will be able to perform analytical testing in a routine clinical chemistry laboratory.

CLIN 295 Clinical Radiography 1

Credit Units: 43.0 Course Hours: 648.0

Prerequisite(s): SIMU 281

You will participate in a supervised clinical experience at an assigned clinical site. You will develop basic radiographic skills in patient positioning, image critique and patient care. You will be introduced to advanced radiographic procedures.

CLIN 296 Clinical Radiography 2

Credit Units: 43.0 Course Hours: 648.0

Prerequisite(s): CLIN 295

You will participate in a supervised clinical experience at an assigned clinical site. You will maintain and build on competencies and skills acquired in CLIN 295 (Clinical Radiography 1). You will continue to develop radiographic skills in patient positioning, image critique and patient care. You will perform advanced radiographic procedures.

CLIN 297 Clinical Radiography 3

Credit Units: 38.0 Course Hours: 570.0

Prerequisite(s): CLIN 296, EDUC 202*

You will participate in a supervised clinical experience at an assigned clinical site. You will maintain and build on competencies and skills acquired in Clinical Radiography 2. You will continue to develop radiographic skills in patient positioning, image critique and patient care. You will perform general and advanced radiographic procedures with minimal supervision.

CLIN 310 Clinical Microbiology

Credit Units: 12.0 Course Hours: 180.0

Prerequisite(s): SIMU 201, SIMU 202, SIMU 203, SIMU 204, SIMU 205, SIMU 206, EDUC 210, IPE 100

You will participate in a supervised clinical experience. Upon successfully completing this experience, you will be able to apply basic and specific skills for the identification and susceptibility of common clinical microorganisms for all body sites.

CLIN 311 Clinical Hematology

Credit Units: 11.0 Course Hours: 165.0

Prerequisite(s): SIMU 201, SIMU 202, SIMU 203, SIMU 204, SIMU 205, SIMU 206, EDUC 210, IPE 100

You will participate in a supervised clinical experience. Upon successful completion, you will be able to perform analytical testing in a routine clinical hematology laboratory.

CLIN 312 Clinical Transfusion Science

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): SIMU 201, SIMU 202, SIMU 203, SIMU 204, SIMU 205, SIMU 206, EDUC 210, IPE 100

You will participate in a supervised clinical experience. Upon successfully completing this experience, you will be able to perform analytical testing in a routine clinical transfusion science laboratory.

CLIN 313 Clinical Chemistry 4

Credit Units: 12.0 Course Hours: 180.0

Prerequisite(s): SIMU 201, SIMU 202, SIMU 203, SIMU 204, SIMU 205, SIMU 206, EDUC 210, IPE 100

You will participate in a supervised clinical experience. Upon successfully completing this experience, you will be able to apply your skills in analytical testing in a routine clinical chemistry laboratory.

CLIN 314 Clinical Histotechnology

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): SIMU 201, SIMU 202, SIMU 203, SIMU 204, SIMU 205, SIMU 206, EDUC 210, IPE 100

You will participate in a supervised clinical experience. Upon successfully completing this experience, you will be able to perform processing, cutting and staining procedures in a routine histotechnology laboratory.

CLTR 100 Diversity

Credit Units: 3.0 Course Hours: 45.0

You will examine the elements of cultural, gender and disability diversity in Canada and the processes that promote inclusion. You will explore elements of Indigenous culture with a view to understanding both historical elements and contemporary issues in Canada. Your studies will also provide opportunities to participate in various cultural practices.

CLTR 100CE Diversity

Credit Units: 3.0 Course Hours: n/a

You will examine the elements of cultural, gender and disability diversity in Canada and the processes that promote inclusion. You will explore elements of Indigenous culture with a view to understanding both historical elements and contemporary issues in Canada. Your studies will also provide opportunities to participate in various cultural practices.

CLTR 119 Indigenous Cultural Awareness

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): INDG 100, NAST 100

You will gain an understanding of the diversity and richness of First Nations and Métis cultures, histories and current issues.

CLTR 120 Diversity

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): CLTR 100, SOCI 170

You will examine the elements of cultural diversity in the workplace. You will examine perspectives of personal, historical and cultural backgrounds of yourself and others. You will also examine racism and issues of power.

CLTR 147 Diversity in the Retail Sector

Credit Units: 1.0 Course Hours: 18.0

You will examine aspects of diversity in Canadian culture, and how to serve customers and work with colleagues in a sensitive manner. You will review Human Rights legislation as it applies to both customers and employees of a retail business.

CLTR 148 Valuing Diversity

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MHA 148

Equivalent Course(s): CDEP 167

You will be introduced to a philosophical approach that values diversity, blends multi-spiritual principles and emphasizes the strengths within community. You will examine what it means to be culturally competent when working with clients affected by mental health and substance use/abuse. You will also participate in culture awareness activities with special consideration to Indigenous peoples of Canada.

CLTR 161 Developing Cultural Competence for Service Excellence

Credit Units: 2.0 Course Hours: 30.0

You will expand your knowledge of the meaning of culture and specific cultural groups in your work area. You will also examine Canadian laws that have a bearing on your interaction with your clients. You will gain the knowledge and skills required to interact effectively with clients from cultural groups different from your own.

CLTR 180 Culture and Diversity

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the many facets of culture. Your studies will focus on the personal attitudes and values involved in appreciating cultural differences. You will explore multiculturalism in Canadian society and discuss practices that promote acceptance of diversity in society.

CLTR 180CE Culture and Diversity

Credit Units: 3.0 Course Hours: n/a

You will be introduced to the many facets of culture. Your studies will focus on the personal attitudes and values involved in appreciating cultural differences. You will explore multiculturalism in Canadian society and discuss practices that promote acceptance of diversity in society.

CLTR 200 Culture and Diversity

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on the many dimensions of culture and approaches to promoting inclusion and innovation. You will explore culture in Canadian society as it pertains to Indigenous and immigrant populations. You will also examine the correlation between culture and diversity.

CLTR 260 Cultural Considerations

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EDUC 260

You will utilize cultural sensitivity as a guiding premise, as you study issues related to cultural diversity and how cultural beliefs, practices and traditions influence diabetes care and management. You will explore ways to ensure culturally sensitive care and education. You will also examine the benefits of culturally sensitive care.

CLTR 260CE Cultural Considerations

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): EDUC 260

You will utilize cultural sensitivity as a guiding premise, as you study issues related to cultural diversity and how cultural beliefs, practices and traditions influence diabetes care and management. You will explore ways to ensure culturally sensitive care and education. You will also examine the benefits of culturally sensitive care.

CNET 100 Network+ Basics

Credit Units: 1.0 Course Hours: 15.0

You will learn the different network topologies, media types, protocols, network services, WAN technologies, security protocols and 802 standards. You will review different network implementation, support and troubleshooting tools. The course will help you prepare to write the ComptTIA Network+ exam.

CNET 106 A+ Cisco IT Essentials 1

Credit Units: 6.0 Course Hours: 90.0

Your studies will focus on identifying, installing and troubleshooting computer hardware and software components. You will become familiar with maintenance procedures. In a lab setting you will install, setup and troubleshoot printers and basic networks. Your studies will help prepare you to challenge the CompTIA A+ exam as well as one elective.

CNET 106CE A+ Cisco IT Essentials 1

Credit Units: 6.0 Course Hours: n/a

Equivalent Course(s): CNET 106

Your studies will focus on identifying, installing and troubleshooting computer hardware and software components. You will become familiar with maintenance procedures. In a lab setting you will install, setup and troubleshoot printers and basic networks. Your studies will help prepare you to challenge the CompTIA A+ exam as well as one elective.

CNET 112 Managing Modern Desktops

Credit Units: 3.0 Course Hours: 45.0

You will manage desktops, devices, cloud services and compliance. You will learn how to enable more flexibility in how users work, while keeping organizational data safe. This course will help you as a Desktop Administrator, learn about these technologies and how to use them. You will use cloud technologies that incorporate new methods and approaches to common challenges with deployment and management.

CNET 113 A+ Cisco IT Essentials 1

Credit Units: 4.0 Course Hours: 60.0

You will install personal computer hardware using safe lab procedures. You will discuss the procedures used to maintain virtual and physical personal computer systems. You will investigate computer networks and common configurations. You will also review portable devices, printers, and scanners. Your studies will also prepare you to challenge the CompTIA A+ exam.

CNET 114 A+ Cisco IT Essentials 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNET 113*

You will build on the foundation provided in CNET 113. You will be responsible for installing operating systems like Windows and Linux. You will perform preventative maintenance on operating systems. You will configure operating systems using the Graphical User Interface (GUI) and the Command Line Interface (CLI). You will review network security and discuss ways to keep networks safe. After completion of CNET 113, and CNET 114 you will qualify to write the Cisco exam to obtain a certificate of completion by Cisco. Your studies will also prepare you to challenge the CompTIA A+ exam.

CNET 115 CISCO Network Associate 1A

Credit Units: 4.0 Course Hours: 60.0

You will study the Introduction to Networks (ITN) which focuses on the architecture, structure, functions and components of the Internet and other computer networks. You will develop a basic understanding of how networks operate and how to build simple local area networks (LAN), perform basic configurations for routers and switches, and implement Internet Protocol (IP).

CNET 116 CISCO Network Associate 1B

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNET 115*

You will build on the foundations learned in CISCO Network Associate 1A. You will learn how to subnet IPV4 and IPV6 networks. Learn how to use ICMP and tools to test network connectivity. You will learn about TCP and UDP Protocols. Learn about application layer protocols that support end user services. You will implement security fundamentals on networks. After completion of CISCO Network Associate 1A and CISCO Network Associate 1A, you will qualify to write the Cisco exam to obtain a certificate of completion by Cisco.

CNET 117 CISCO Network Associate 2A

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNET 116*

You will study Cisco Certified Network Associate: Switching, Routing, and Wireless Essentials (SRWE) which focuses on the architecture, components, and operations of routers and switches in small networks.

CNET 118 CISCO Network Associate 2B

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNET 117*

You will build on the foundations learned in CISCO Network Associate 2A. You will also study wireless local area networks (WLAN) and security concepts. You will configure and troubleshoot routers and switches for advanced functionality using security best practices and resolve common network issues. After completion of CISCO Network Associate 2A and CISCO Network Associate 2B, you will qualify to write the Cisco exam to obtain a certificate of completion by Cisco.

CNET 119 CISCO Network Associate 3A

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNET 118*

You will study Cisco Certified Network Associate: Enterprise Networking, Security, and Automation (ENSA) which focuses on the architecture, components, operations, and security for large, complex networks, including wide area network (WAN) technologies.

CNET 120 CISCO Network Associate 3B

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNET 119*

You will build on the foundations in CISCO Network Associate 3A. The course emphasizes network security concepts and introduces network virtualization and automation. You will configure, troubleshoot, and secure enterprise network devices and study the application programming interfaces (API) and configuration management tools that enable network automation. After completion of CISCO Network Associate 3A and CISCO Network Associate 3A, you will qualify to write the Cisco exam to obtain a certificate of completion by Cisco.

CNET 121 Programming with Python

Credit Units: 4.0 Course Hours: 60.0

You will study the basics of programming with Python and general computer programming concepts and techniques. You will acquire theoretical knowledge and practical skills related to conditional execution, loops, Python programming language, syntax, semantics, and the runtime environment. You will use PIP to expand the functionality of Python, manage strings, lists, and exceptions, and write code using object-oriented programming.

CNET 122 Programming with Python 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CNET 121

You will build on the foundations learned in Programming with Python 1. You will become familiar with the object-oriented approach to programming. You will use the skills and knowledge that you develop in real-world programming tasks and situations. Upon completion of Programming with Python 1 and Programming with Python 2, you are prepared to take the PCAP - Certified Associate in Python Programming certification exam.

CNET 184 Data Communications and Networking 1

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): CAD 191, CNET 180

In this course you will describe the major networking technologies and systems of modern networks, and be able to configure, manage and troubleshoot modern networks. This course presents content required in the objectives of the CompTIA Network+ certification exam.

CNET 184CE Data Communications and Networking 1

Credit Units: 5.0 Course Hours: n/a

In this course you will describe the major networking technologies and systems of modern networks, and be able to configure, manage and troubleshoot modern networks. This course presents content required in the objectives of the CompTIA Network+ certification exam.

CNET 600 Enterprise Networking

Credit Units: 3.0 Course Hours: 45.0

You will learn about the design and support of enterprise network services. Your studies will include learning about different network configurations and how they are secured against various threat groups. You will also learn how to plan for, and monitor network performance and availability. You will gain hands on experience configuring a network operating system and developing security models.

CNET 601 Routing and Switching

Credit Units: 3.0 Course Hours: 45.0

You will describe the roles of routers and switches in an enterprise network and analyze their operation. Your studies will include switching; Spanning Tree Protocol (STP); Virtual Local Area Networks (VLANs); routing protocols, Internet Address Protocols, IPv4 & IPv6; inter-VLAN routing; Dynamic Host Configuration Protocol (DHCP) and Network Address Translation (NAT). The course content is based on the Cisco Certified Network Associate (CCNA) Routing & Switching Essentials curriculum.

CNST 122 Building Construction: Wood Frame Residential 1

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): CODE 100

You will learn the fundamentals of light wood frame construction designed using Part 9 of the National Building Code of Canada. You will analyze the structural requirements of bungalows and bi-levels. You will also learn how to draw construction details using architectural drafting conventions.

CNST 126 Site Layout

Credit Units: 3.0 Course Hours: 45.0

You will learn how to calculate and establish construction elevations using a builder's level. You will be able to describe the procedures for performing as well as establish building lines using hand tools. You will also learn how to transfer elevations using a laser level.

CNST 127 Transits

Credit Units: 3.0 Course Hours: 45.0

You will lay out a building using a transit. You will learn how to set up the transit and read horizontal and Vernier scales. You will also determine, verify and layout angles in degrees horizontally and vertically using a transit.

CNST 142 Introduction to Log Building

Credit Units: 8.0 Course Hours: 120.0

You will be introduced to the techniques used to construct log buildings (including the safe use of hand and power tools). You will also learn tree characteristics and log selection techniques.

CNST 143 Scribe Fitting Log Walls

Credit Units: 16.0 Course Hours: 240.0

You will learn all aspects of wall construction (from peeling green logs to forming weather-tight fits). Through extensive hands-on work, you will develop the skills required to construct log walls.

CNST 144 Log Floor Joists

Credit Units: 2.0 Course Hours: 30.0

You will learn how to create log joists for main floors, second floors and balconies.

CNST 145 Roof Design Choices

Credit Units: 6.0 Course Hours: 90.0

You will learn about the various roof design choices for log structures. You will construct a roof for a log structure using one or more of several roof design techniques. The roof designs used may vary between program offerings.

CNST 146 Log Settling and Checking

Credit Units: 2.0 Course Hours: 30.0

You will learn how to allow for log shrinkage during the construction of log buildings so doors, windows, and non-settling parts operate properly.

CNST 147 Finishing and Framing

Credit Units: 6.0 Course Hours: 90.0

You will learn how conventional wood framing and log walls meet and how electrical and plumbing features incorporate in log construction. You will also learn about windows and doors and other interior finishing details in log buildings.

CNST 220 Construction Techniques

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CAD 100, COMP 222

Your studies will focus on fundamental construction principles, tools and safety. You will use tools to measure, layout, cut, drill as well as solder wires, terminals, printed circuit boards (PCBs) and surface mount devices. You will create a PCB starting with a schematic capture computer program. You will then produce a finished PCB using a computerized milling machine that will be used to create a functional microcontroller circuit to satisfy the requirements of an assigned project.

CNST 221 Building Construction: Residential Construction 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNST 122

You will expand your knowledge of light wood frame construction designed using Part 9 of the National Building Code of Canada. You will analyze the structural requirements of two-storey houses and develop the skills necessary to design and detail related construction assemblies.

CNST 222 Building Construction: Commercial Fundamentals

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNST 221

You will be introduced to materials and methods used in single-storey commercial construction. You will develop the skills necessary to detail basic commercial construction assemblies.

CNST 224 Building Construction: Commercial Buildings 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNST 232

You will be introduced to materials and methods used in multi-storey commercial construction. You will develop the skills necessary to detail commercial construction assemblies to withstand the stresses of building movement.

CNST 232 Building Construction: Commercial Buildings 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNST 222

Equivalent Course(s): CNST 223

You will be introduced to materials and methods used in low-rise commercial construction. You will develop the skills necessary to detail commercial construction assemblies that integrate structural frames.

CNST 233 Building Construction: Commercial Interiors

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CNST 222

Your studies will focus on materials and construction methods used in commercial interior design. You will develop the skills necessary to design and detail interior construction assemblies. North American Architectural Woodwork Standards (NAAWS) will be examined as part of your studies.

CNST 234 Building Construction: Design Build Project

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNST 233

You will explore the complexities of the design-build process by creating a piece of furniture. You will design, document, construct, and present your furniture piece. Upon completion of this project, you will evaluate the implementation of the design intentions.

CNTR 104 Automation

Credit Units: 6.0 Course Hours: 85.0

Prerequisite(s): ELTR 126

Your studies will focus on the methods and devices used to control and automate industrial operations. You will develop typical industrial applications for timers, programmable timers, programmable relays and programmable logic controllers. You will also study devices commonly used with programmable logic controllers, such as operator interfaces, proximity sensors and encoders.

CNTR 105 Process Control

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 111, CNTR 204, CNTR 205

You will be introduced to process control by studying open and closed loop control, discrete and analog control, transfer functions, system response and proportional, integral and derivative (PID) tuning methods. You will use process simulation software to develop PID tuning techniques and use these techniques to tune a controller in a process loop.

CNTR 106 Automation Systems

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): CNTR 104

You will develop the knowledge and skills required to develop a programmable logic controller (PLC) based control system integrated with a software based human machine interface (HMI) like those typically used in industrial manufacturing or process environments. You will use a variety of common industrial control software applications and hardware that will enable you to develop, integrate and document industrial control applications.

CNTR 107 Protection and Control

Credit Units: 4.0 Course Hours: 60.0

You will learn how to use electrical test equipment, interpret controls, evaluate devices including automatic starters and control circuits.

CNTR 202 Automation Systems

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CNTR 204, CNTR 205

You will combine devices studied in previous automation courses into a system. These devices include programmable logic controllers (PLCs), human machine interfaces (HMIs), and variable frequency drives (VFDs), as well as analog and discrete sensors and output devices. Additionally, supervisory control and data acquisition/human machine interface (SCADA/HMI) software will be integrated into a system.

CNTR 203 Process Controls

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): INST 206

Equivalent Course(s): INST 288

You will be introduced to aspects of industrial process control (i.e.: control variables and terminology, process characteristics, final control elements, controllers, and control schemes). You will model process characteristics as well as tune and configure controllers for a variety of process applications. Laboratory and simulation exercises will supplement your study of process characteristics, final control elements and PID controllers.

CNTR 204 Automation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ELTR 193, ELTR 194, CIRC 104*

You will study the devices and methods used to automate industrial operations by reviewing the theory of operation, constructing circuits, programming devices and observing their operation. You will study timers, programmable relays and programmable logic controllers (PLCs), in the context of typical industrial applications. You will also study devices commonly used with PLCs, such as sensors, actuators and human machine interfaces (HMIs).

CNTR 205 Automation Project

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): ELTR 193, ELTR 194, CIRC 104*, CNTR 204*

You will apply the knowledge and skills developed in CNTR 204 to develop an industrial automation project. You will design and construct an automation system containing a programmable logic controller (PLC), a human machine interface (HMI), sensors and output devices.

CNTR 206 Automation Control Applications

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SEM 107, ELEC 279, FMEC 102*

You will study methods and use devices common to automating industrial operations using programmable devices. You will examine techniques for sequencing events using timers, counters, and comparisons to provide solutions to typical industrial applications. You will develop proficiency in drawing and interpreting piping and instrumentation diagrams (P&IDs). You will implement a small automation project as a capstone course activity.

CNTR 207 Instrument Control 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CIRC 107, CIRC 108, INST 105, INST 221

Corequisite(s): CNTR 208, MEAS 200

You will study the principles and applications of process control algorithms, cascade control, ratio control and feed-forward control. The course content includes the analysis of open loop responses to PID controllers, the analysis of non-linear control elements and the selection and application of controller tuning techniques.

CNTR 208 Instrument Control 1 Lab

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CIRC 107, CIRC 108, INST 105, INST 106, INST 107, INST 221

Corequisite(s): CNTR 207, MEAS 200

You will study the principles and applications of process control algorithms, cascade control, ratio control and feed-forward control. The course content includes the analysis of open loop responses to PID controllers, the analysis of non-linear control elements and the selection and application of controller tuning techniques.

CNTR 209 Instrument Control 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CIRC 200, CNTR 207, CNTR 208, MEAS 200

Equivalent Course(s): INST 205

Configuration software and process simulation will be used to help you learn how to design, analyze,and evaluate various control strategies. The course content includes various process control applications (such as boiler, distillation column, compressor, and heat exchanger controls).

CNTR 210 Distributed Control Systems

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CIRC 200, CNTR 207, CNTR 208, MEAS 200

Equivalent Course(s): INST 236

You will configure a distributed control system including a Human Machine Interface (HMI). To operate a process incorporating microprocessor-based field devices. The course content includes analog control, discrete control, cascade control, feedforward control, and sequential function charts.

CNTR 227 Logic Control Systems

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGE 224, INST 205, INST 220, INST 228

You will study the design and implementation of logic control systems using microprocessor-based programmable logic controllers (PLCs). The course content includes using graphical programming languages. You will configure, select and study the installation of PLCs. Practical lab applications will include programming timers, counters, math instructions and other advanced techniques.

CNTR 229 Instrument Control 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CNTR 209, CNTR 210

Your studies will focus on feedback control systems, the basic tools, and yardsticks that a technologist uses to design and analyze control systems. You will learn how to mathematically model a process, select best applications of field devices and control hardware to fit the applications.

CNTR 230 Industrial Machine Controls

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DGTL 221

Corequisite(s): LABS 230

You will be studying the magnetic control of Direct Current (DC) and Alternating Current (AC) motors including the functions, requirements, and components of control systems. You will become familiar with developing and modifying motor starters, controllers and protection auxiliary devices pertaining to pressure, flow, level, and limit. You will also study Programmable Logic Controller (PLC) controls using processors with interfacing PLC's to electronic drives.

CNTR 231 Control Systems

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENGE 120, DGTL 221, MAT 211

Your studies will focus on signal and system properties in a control system. You will use LaPlace transform applications to convert mathematical models into electrical systems, analysis time-domain and frequency-domain. You will construct frequency response for second order systems.

COAP 104 CCNA Cybersecurity Operations

Credit Units: 4.0 Course Hours: 60.0

You will become familiar with general Windows security concepts. You will identify the different methods of attack on the network, best methods of communication, infrastructure, cryptography and planning (hardware and software). You will learn how to use risk identification management as a preplanning tool for future growth and configuration. After completing COAP 104, you will receive a Cisco certificate of completion.

COAP 104CE CCNA Cybersecurity Operations

Credit Units: 4.0 Course Hours: n/a

You will become familiar with general Windows security concepts. You will identify the different methods of attack on the network, best methods of communication, infrastructure, cryptography and planning (hardware and software). You will learn how to use risk identification management as a preplanning tool for future growth and configuration. After completing COAP 104, you will receive a Cisco certificate of completion.

COAP 107 Point of Sale Software and Automated Banking System

Credit Units: 1.0 Course Hours: 15.0

You will learn how to handle cash and use point-of-sale machines to utilize debit and credit cards, and as a method of maintaining inventory control.

COAP 108 Civil Design

Credit Units: 3.0 Course Hours: 52.0

Prerequisite(s): DRFT 105

Corequisite(s): SRVY 222

Equivalent Course(s): COAP 176

You will become familiar with and use standard drafting practices and symbols to produce typical civil engineering drawings using Computer Aided Drafting (CAD) software. You will also use the basic concepts and applications of civil design software.

COAP 115 Word Processing 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COMP 115*

The course introduces word processing concepts. You will be introduced to common features of Microsoft Word and develop skills in producing and formatting a variety of business documents. You will use a hands-on practical approach to learn the skills required to create letters, tables, and enhancing documents with graphics and diagrams.

COAP 115CE Word Processing 1

Credit Units: 6.0 Course Hours: n/a

Prerequisite(s): COMP 115*

The course introduces word processing concepts. You will be introduced to common features of Microsoft Word and develop skills in producing and formatting a variety of business documents. You will use a hands-on practical approach to learn the skills required to create letters, tables, and enhancing documents with graphics and diagrams.

COAP 116 Word Processing 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COAP 115, CKEY 101

You will continue to develop your skills using advanced word processing functions in form building, mail merge and creating columns. You will focus on developing the skills required to work with multiple page documents such as letters, reports, tables, brochures, and newsletters.

COAP 116CE Word Processing 2

Credit Units: 6.0 Course Hours: n/a

Prerequisite(s): COAP 115, CKEY 101

You will continue to develop your skills using advanced word processing functions in form building, mail merge and creating columns. You will focus on developing the skills required to work with multiple page documents such as letters, reports, tables, brochures, and newsletters.

COAP 117 Spreadsheet Applications

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): COAP 173

You will learn how to design spreadsheets and apply numeracy skills. You will focus on formatting, applying formulas and functions, preparing charts, and analyzing and organizing spreadsheet data.

COAP 117CE Spreadsheet Applications

Credit Units: 4.0 Course Hours: n/a

You will learn how to design spreadsheets and apply numeracy skills. You will focus on formatting, applying formulas and functions, preparing charts, and analyzing and organizing spreadsheet data.

COAP 138 Computer Suite Applications

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COAP 115, COAP 116*

In the course, you will learn to create documents that feature the integration of word processing, spreadsheet, database, and presentation software.

COAP 138CE Computer Suite Applications

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): COAP 115, COAP 116*

In the course, you will learn to create documents that feature the integration of word processing, spreadsheet, database, and presentation software.

COAP 1500 Information Processing Bridging

Credit Units: 0.0 Course Hours: 50.0

Assists learners to develop the pre-requisite knowledge and skills needed for success in Information Processing 30

COAP 171 Desktop Publishing

Credit Units: 1.0 Course Hours: 15.0

Your studies will introduce you to basic skills in the use of desktop publishing software for designing, editing and delivering different documents. You will learn the fundamentals of design for simple desktop publishing.

COAP 171CE Desktop Publishing

Credit Units: 1.0 Course Hours: n/a

Your studies will introduce you to basic skills in the use of desktop publishing software for designing, editing and delivering different documents. You will learn the fundamentals of design for simple desktop publishing.

COAP 172 Computer Applications

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): COAP 110, COAP 122

You will receive an introduction to computer applications (such as a word processor, spreadsheet and database application). You will also gain knowledge of electronic spreadsheets in detail.

COAP 173 Data and Document Management

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to a document management system used to create, retrieve and process unstructured data in a quick and efficient manner. You will learn about the functionality and features of document management. You will be introduced to data management concepts using an industry standard electronic spreadsheet. Your studies will focus on the appropriate application of an electronic spreadsheet with a focus on information management, advanced data analysis and business intelligence.

COAP 173CE Data and Document Management

Credit Units: 5.0 Course Hours: n/a

You will be introduced to a document management system used to create, retrieve and process unstructured data in a quick and efficient manner. You will learn about the functionality and features of document management. You will be introduced to data management concepts using an industry standard electronic spreadsheet. Your studies will focus on the appropriate application of an electronic spreadsheet with a focus on information management, advanced data analysis and business intelligence.

COAP 1754 Adult Basic Computer

Credit Units: 0.0 Course Hours: 100.0

Provide keyboarding and Basic Computer knowlege in Microsoft Office, Internet, Email & Blog.

COAP 176 Civil Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DRFT 107

Corequisite(s): SRVY 103

Equivalent Course(s): COAP 108

You will become familiar with and use standard drafting practices and symbols to produce typical civil engineering drawings using Computer Aided Drafting (CAD) software. You will also use the basic concepts and applications of civil design software.

COAP 178 Computer Applications for Funeral Services

Credit Units: 3.0 Course Hours: 45.0

You will develop the basic skills for creating, editing, and formatting electronic documents that are required in the funeral services industry. You will also work with multimedia software to create and deliver a presentation such as a photo tribute.

COAP 178CE Computer Applications for Funeral Services

Credit Units: 3.0 Course Hours: n/a

You will develop the basic skills for creating, editing, and formatting electronic documents that are required in the funeral services industry. You will also work with multimedia software to create and deliver a presentation such as a photo tribute.

COAP 179 Outlook, Word and Desktop Publishing

Credit Units: 1.0 Course Hours: 15.0

Your studies will introduce you to basic skills in the use of Outlook; Email, Calendar, Contacts, and Tasks as well as Desktop Publishing using Publisher; design, edit and produce documents.

COAP 194 Inventory Software

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): COAP 109

You will become familiar with the programs used by Parts Department computer systems.

COAP 194CE Inventory Software

Credit Units: 1.0 Course Hours: n/a

You will become familiar with the programs used by Parts Department computer systems.

COAP 1951 St Assist IP

Credit Units: 0.0 Course Hours: 1.0

Student Assist Information Processing

COAP 201 Information Systems

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): COMP 120

Your studies will focus on the practical use of Outlook, Word, PowerPoint, and Excel from the Microsoft Office Professional software suite. You will learn a wide range of skills from beginner to intermediate in each of the applications.

COAP 222 Computer Programming

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COMP 112

You will study the design, implementation and testing of programs using a high- level language. You will develop problem-solving skills by constructing algorithms to meet program input and output (I/O) requirements. You will develop programs that exhibit good structure to ensure easy debugging and maintenance. You will utilize object oriented design techniques to produce efficient reusable modules. You will employ predefined and user constructed abstract data types to meet application design goals.

COAP 232 Computer Programming

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CNTR 230, DGTL 221, MAT 110

Equivalent Course(s): COAP 222

You will explore the use of C++ language with an Object-Oriented Programming (OOP) approach to solve power system problems. Your studies will focus on the fundamentals of program writing using C++ language to analyze and implement programs related to electrical engineering technology.

COAP 300 Artificial Intelligence

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): COAP 222, COAP 301*

You will study the concepts and principles of machine learning. You will learn about deep learning algorithms. You will learn about major applications of Artificial Intelligence in various fields.

COAP 301 Artificial Intelligence Laboratory

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COAP 222, COAP 300*

You will study the concepts and principles of machine learning. You will implement deep learning algorithms in Tensor Flow and interpret the results. You will learn about major applications of Artificial Intelligence in various fields.

COAP 480 Computer Applications Level 4

Credit Units: 4.0 Course Hours: 64.0

Equivalent Course(s): COAP 199

Theory and practical application will help you become familiar with computers at an introductory level. You will learn the purpose and uses of the graphical user interface (GUI) Windows, the word processor MS-Word, the spreadsheet MS-Excel, the database MS-Access, the presentation graphics program MS-PowerPoint and the Internet.

CODE 100 Building Code: Part 9 Applications 1

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): CNST 122

You will learn to interpret sections of Part 9 of the National Building Code of Canada (NBC). You will discuss typical construction materials and methods.

CODE 101 Building Code: Part 9 Applications 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CODE 100

You will expand your ability to interpret sections of Part 9 of the National Building Code of Canada (NBC). You will gain proficiency in applying code concepts that impact the design and construction of houses.

CODE 103 Legislation Codes and Safety

Credit Units: 3.0 Course Hours: 45.0

You will recognize and apply different types of legislation, codes and regulations, and their applications. You will use and interpret blueprints. Your studies will include safety practices, fire safety and fire systems.

CODE 200 Building Code: Part 3 Applications 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CODE 101

You will evaluate buildings which are permitted to be designed and constructed using Part 9 of the National Building Code of Canada (NBC). Your analysis of buildings will include classifications, fire protection requirements and egress requirements.

CODE 201 Building Code: Part 3 Applications 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CODE 200

You will evaluate non-complex buildings using Part 3 of the National Building Code of Canada (NBC). Your analysis of buildings will include classifications, fire protection requirements and egress requirements. You will also interpret health and accessibility requirements.

CODE 300 Building Code: Part 3 Applications 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CODE 201

You will continue to evaluate buildings using Part 3 of the National Building Code of Canada (NBC), exploring more complex buildings than in prerequisite courses. Your analysis of complex buildings will include classifications, fire protection requirements and egress requirements as well as requirements for firefighting, fire alarm systems and spatial separations. You will also discuss other parts of the code that impact architectural decision-making.

COET 295 Emerging Technologies

Credit Units: 3.0 Course Hours: 50.0

Prerequisite(s): COHS 280, COOS 293, COSC 292, COSC 295, CWEB 280

Equivalent Course(s): COOS 290

You will study the subject of new/emerging technologies, and you will examine how these technologies can change existing markets and development environments. You will gain experience in working with software and/or hardware that can be classified as part of the emerging technology paradigm.

COHS 190 Hardware

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): CNET 106, ELTR 287

You will be introduced to various computer hardware components. Your studies will cover the terminology associated with computer systems and peripherals. Additionally your studies will provide you with the opportunity to install components, connect peripherals, and configure computer systems. Your studies will include operational and safety procedures.

COHS 220 Networking Computers

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to the role of a network administrator for a computer network. You will analyze network hardware, topologies, protocols, and services. You will install network cabling, operating systems, and applications software.

COHS 280 Enterprise Systems Support

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COHS 190

Equivalent Course(s): COHS 290

You will gain valuable expertise in assessing, documenting and responding to an assortment of help desk situations. You will acquire knowledge regarding computer deployment in an enterprise environment. You will also deploy antivirus software, monitor software license compliancy and perform network resource inventory in an enterprise environment.

COM 101 Written and Oral Communications

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): BCOM 105, BCOM 120, COMM 292

You will receive instruction and practice in written and oral communication skills needed for the professional workplace. You will review the principles of effective writing, prepare oral presentations, and practice common forms of business communication. Communicating a professional image will be emphasized.

COM 101CE Written and Oral Communications

Credit Units: 2.0 Course Hours: n/a

You will receive instruction and practice in written and oral communication skills needed for the professional workplace. You will review the principles of effective writing, prepare oral presentations, and practice common forms of business communication. Communicating a professional image will be emphasized.

COM 104 Teamwork and Collaboration

Credit Units: 3.0 Course Hours: 45.0

You will develop collaborative and teamwork skills and apply them to pharmacy technician practice, including effective research skills, professional documentation and a collaborative approach to decision-making in a health team.

COM 106 Technical Report Writing

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to scientific research and accessing and incorporating scientific literature. These elements are combined in a research project that will provide you with the opportunity to assemble, synthesize and report your research findings in a technical report format.

COM 107 Industrial Communications

Credit Units: 1.0 Course Hours: 16.0

Equivalent Course(s): COMM 127

You will receive instruction in basic job related interpersonal, oral and written communication (including writing for the workplace and job search techniques).

COM 110 Client Service Skills

Credit Units: 3.0 Course Hours: 45.0

You will study interview skills for children and adults in a range of intercultural victim service contexts. You will examine the processes of grieving and death notification.

COM 110CE Client Service Skills

Credit Units: 2.0 Course Hours: n/a

You will study interview skills for children and adults in a range of intercultural victim service contexts. You will examine the processes of grieving and death notification.

COM 113 Interpersonal Communications

Credit Units: 3.0 Course Hours: 45.0

You will acquire knowledge and practice in interpersonal communications, focusing on effective verbal and non-verbal communication, listening and responding skills, giving and receiving constructive feedback and problem solving. You will apply these techniques to the delivery of effective oral presentations. You will examine the demonstration of a professional image through your interpersonal, presentation and social media communications.

COM 160 Communications for Graphic Arts

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): COMM 127

You will practice effective interpersonal, oral, and written communication skills. You will learn how to give and accept criticism, resolve conflicts, and handle customer complaints. You will also use critical thinking, teamwork, and problem solving skills. You will create job search documents including a resume and cover letter.

COM 170 Professional Workplace Communication

Credit Units: 3.0 Course Hours: 45.0

You will focus on specific skills, behaviours, and attitudes needed to work productively with others. You will examine the role and effects of social media and digital communications in and outside the workplace. You will also practice conflict resolution skills as well as teamwork skills.

COM 180 Technical Communications

Credit Units: 5.0 Course Hours: 76.0

You will develop your oral, written, and interpersonal technical communication skills through practical exercises involving oral presentations, summary writing, business correspondence and technical reports. You will develop your speaking and writing abilities and demonstrate clarity, conciseness, completeness and language usage suitable for your profession. You will also learn how to organize and write a resume and prepare for an interview.

COM 199 Dental Assisting Communications

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SEM 160

Corequisite(s): DNTL 260

Equivalent Course(s): COMM 164

You will study communication processes, marketing the practice, reporting suspected abuse and advocating for special needs clients as related to your role as a dental assistant. You will discuss the application of professional standards and plan for employment.

COM 200 Business Communications

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): BCOM 105, BCOM 121

You will study the principles of communication and develop fundamental employability skills. You will examine ways to apply communication skills to cross-cultural situations. You will develop effective writing and research skills.

COM 400 Building a Digital Communication Strategy

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BCOM 300

You will examine your digital identity and identify strategies to enhance your digital presence. You will consider issues of privacy, ethics, professionalism, and career advancement in constructing your digital identity. You will also study the digital communication practices and identify strategies that organizations can implement to improve their communication with key stakeholders and achieve their strategic goals.

COMM 01 Communications Level 1

Credit Units: 0.0 Course Hours: 100.0

The Circle of Learning (Benchmarks) - develop language skills in reading - comprehension, word recognition, phonemic recognition, and fluency, - writing, speaking and listening skills sufficient to enter Level 2.

COMM 02 Communications Level 2

Credit Units: 0.0 Course Hours: 100.0

The Circle of Learning - Continues the skill development in reading, writing, speaking and listening from Level 1 sufficient to enter Level Three

COMM 03 Communications Level 3

Credit Units: 1.0 Course Hours: 100.0

The Circle of Learning-Communication Adult 10 Level Three curriculum develops language skills in reading, writing, speaking and listening to meet the standards of the curriculum guide

COMM 1001 Comm 10 Review

Credit Units: 0.0 Course Hours: 100.0

Comm 10 Review offers students who have completed Grade 10 an opportunity to refresh communication skills before proceeding to further academic study.

COMM 1003 Communication 2

Credit Units: 0.0 Course Hours: 200.0

This course will help you develop your speaking, listening, reading and writing skills. It will prepare you to meet the English language proficiency standards required for admission to - and success in - Saskatchewan Polytechnic post-secondary programs. Your studies will follow the Canadian Language Benchmarks (CLB). The CLB describes the different skill levels of adults who are learning English as a second language. There are 12 benchmarks. This course will focus on CLB 6 through 9 and is tailored to match each student's need.

COMM 112 Interpersonal Communication

Credit Units: 3.0 Course Hours: 40.0

Equivalent Course(s): COMM 107, COMM 291, COMM 296, HUMR 186

You will focus on developing basic communication skills including effective listening and responding skills, trust building, verbal and nonverbal communication. You will also examine the role of self-concept in effective communication.

COMM 113 Applied Communications

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMM 291

Equivalent Course(s): COMM 192

You will apply oral, written and interpersonal skills needed for successful communication at the library, and specifically with clients. You will receive instruction and practice in effective writing. You will also use job search skills and produce job search documents.

COMM 116 Communication Skills

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): COMM 341

You will be introduced to the fundamentals of professional conduct, public relations, letter writing, interoffice communication, oral presentations and job search skills.

COMM 119 Writing Skills

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): COMM 295

You will practice a variety of written communication styles. You will receive information on basic grammar and the mechanics of writing. You will do research and create a research essay. Additionally you will develop a professional portfolio.

COMM 119CE Writing Skills

Credit Units: 3.0 Course Hours: n/a

You will practice a variety of written communication styles. You will receive information on basic grammar and the mechanics of writing. You will do research and create a research essay. Additionally you will develop a professional portfolio.

COMM 127 Fundamental Communication Skills

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): COMM 106, COMM 127A, COMM 187, COMM 191, COMM 193, JOBS 190, PROF 100, TCOM 102, TCOM 105, TCOM 120, TCOM 140

You will use fundamental employability skills related to obtaining and keeping a job. You will apply skills to work effectively with others and produce job-related documents. You will identify employability and practical skills to prepare effective job search materials and discuss the effect of attitudes and behaviours on a successful job search.

COMM 127CE Fundamental Communication Skills

Credit Units: 2.0 Course Hours: n/a

You will use fundamental employability skills related to obtaining and keeping a job. You will apply skills to work effectively with others and produce job-related documents. You will identify employability and practical skills to prepare effective job search materials and discuss the effect of attitudes and behaviours on a successful job search.

COMM 1619 Basic Communication Skills

Credit Units: 0.0 Course Hours: 876.0

The focus of this course will be language instruction. The course is based on the Circle of Learning Saskatchewan Adult Literacy Benchmark Level 1 foundational skills. Students will receive instruction in listening, speaking, vocabulary, reading, and writing. Reading will center on predictable books and thematic units. Inquiry and project based learning will be incorporated into the course. The course will instruct students in Technology literacy in accordance with the Level 1 Benchmarks. Authentic assessment will be used to determine student progress.

COMM 1633 Comm EAL

Credit Units: 0.0 Course Hours: 100.0

This course is a tentative response to a growing need of some English as an Additional Language learners in the Wascana BE program. It offers intensive language skill-focused training over a 10-week period of 100 hours class time duration.

COMM 1811 St Assist Comm 1

Credit Units: 0.0 Course Hours: 50.0

Student Assist Comm 1

COMM 1812 St Assist Comm 2

Credit Units: 0.0 Course Hours: 50.0

Student Assistance Communication Level 2

COMM 1813 St Assist Comm 3

Credit Units: 0.0 Course Hours: 50.0

Student Assistants Communication Level 3

COMM 185 Industrial Communications

Credit Units: 1.0 Course Hours: 16.0

Equivalent Course(s): COMM 127, COMM 186, COMM 187, COMM 188

You will develop employability skills in both oral and written communications, including writing for the workplace, preparing job search documents and developing effective interpersonal communication skills.

COMM 191 Communications 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): BCOM 120, COMM 164, JOBS 190

You will receive instruction and practice in interpersonal and oral communications and business correspondence skills. You will also gain an understanding and appreciation of the organization and planning involved in the job search process. Developing the interpersonal, oral and written skills you will need in your job search will be emphasized.

COMM 197 Helping Skills

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): COMM 291

Equivalent Course(s): COMM 160, COMM 293, HUMR 186, NEPS 112, NURS 163

You will apply communication skills to facilitate a helping relationship with your clients, their families, significant others, other health care staff, as well as various other professionals.

COMM 197CE Helping Skills

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): COMM 291

You will apply communication skills to facilitate a helping relationship with your clients, their families, significant others, other health care staff, as well as various other professionals.

COMM 202 Conflict Resolution Strategies

Credit Units: 4.0 Course Hours: 60.0

You will learn to problem solve and de-escalate conflict using a tactical communications model.

COMM 203 Strategic Communication for Municipalities

Credit Units: 4.0 Course Hours: 60.0

You will explore the role and function of strategic communication as it relates to municipal government. Your studies will focus on the importance of public, media, and government relations. You will learn how to develop an effective grant proposal. You will develop an understanding of strategic communication planning and learn about tactics that can be used to manage crisis situations.

COMM 224 Presentation Skills

Credit Units: 2.0 Course Hours: 30.0

You will learn the basics of effective presentation skills and have the opportunity to deliver a presentation.

COMM 227 Interviewing Skills for Public Safety Careers

Credit Units: 3.0 Course Hours: 45.0

You will review and apply the skills necessary to conduct effective interviews in public safety settings.

COMM 227CE Interviewing Skills for Public Safety Careers

Credit Units: 2.0 Course Hours: n/a

You will review and apply the skills necessary to conduct effective interviews in public safety settings.

COMM 262 Workplace Communication

Credit Units: 2.0 Course Hours: 30.0

You will review effective writing skills and apply those skills to workplace documents: e-mails, memos, business letters, and reports. You will apply effective oral communication to individual presentations and meetings. You will examine interpersonal relationships in the workplace and demonstrate conflict resolution skills in individual and group settings.

COMM 262CE Workplace Communication

Credit Units: 2.0 Course Hours: n/a

You will review effective writing skills and apply those skills to workplace documents: e-mails, memos, business letters, and reports. You will apply effective oral communication to individual presentations and meetings. You will examine interpersonal relationships in the workplace and demonstrate conflict resolution skills in individual and group settings.

COMM 287 Communications

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): VETR 189

You will learn the basic skills of oral and interpersonal communication, emphasizing the role of the veterinary technologist. Positive interpersonal interactions, customer service and teamwork will be stressed. You will also learn about the job search process, which includes developing a resume and letter of application.

COMM 289 Communications 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMM 191 or TCOM 102 or TCOM 105

You will study technical writing and oral presentation skills for the technologist. You will practice research methods, report writing, and oral presentation skills appropriate to the profession.

COMM 291 Interpersonal Communications

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): BCOM 103, COMM 112, COMM 135, COMM 155, COMM 160, COMM 381, HUMR 182, HUMR 186, JOBS 190, NEPS 114, NURS 114, NURS 163

You will develop employability skills through the study of interpersonal communications theory and applications in the workplace. Learning outcomes include the importance of self-awareness and self-esteem, perception problems, verbal and nonverbal messages, and listening skills, creating positive communication climates and resolving interpersonal conflict.

COMM 291CE Interpersonal Communications

Credit Units: 2.0 Course Hours: n/a

You will develop employability skills through the study of interpersonal communications theory and applications in the workplace. Learning outcomes include the importance of self-awareness and self-esteem, perception problems, verbal and nonverbal messages, and listening skills, creating positive communication climates and resolving interpersonal conflict.

COMM 294 Teamwork Skills

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PRAC 181 or PRAC 105

Equivalent Course(s): COMM 246

You will learn how to become an effective member of an early childhood educator team. The course content focuses on determining individual interaction styles and personality styles, assertion skills, conflict management and group problem solving. You will practice communicating in an effective and professional manner.

COMM 294CE Teamwork Skills

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): PRAC 181 or PRAC 105

You will learn how to become an effective member of an early childhood educator team. The course content focuses on determining individual interaction styles and personality styles, assertion skills, conflict management and group problem solving. You will practice communicating in an effective and professional manner.

COMM 295 Business and Technical Writing

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): BCOM 105, BCOM 120, COMM 262, IPSK 200

You will receive instruction and practice in written communication skills needed as a professional. You will review grammar and the mechanics of writing, study and practice research skills and technique, and produce examples of business and technical writing.

COMM 301 Managerial Communications

Credit Units: 3.0 Course Hours: 45.0

You will analyze organizational communication structures and practices. You will practice your writing skills by composing various types of correspondence, including email, social media, and reports. Your public speaking skills will be strengthened by conducting interviews, facilitating group discussions and delivering a formal presentation.

COMM 393 Communications 1

Credit Units: 3.0 Course Hours: 45.0

You will develop the oral and written skills needed to communicate effectively in a variety of situations. You will also demonstrate appropriate customer service skills and use job search skills.

COMP 102 Computer Foundations

Credit Units: 2.0 Course Hours: 30.0

You will develop the foundation required for working in a networked, computerized media production environment. You will become familiar with common computer specifications and environments. You will use productivity software to produce work-related documents. You will manage files efficiently.

COMP 105 Introduction to Computer Applications

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): COAP 172

Your studies will focus on an introduction to the basic hardware and software. You will learn about current hardware technologies, computer communications and basic security issues. You will be introduced to report writing, spreadsheet, database and presentation software as well as file and data management techniques.

COMP 106 Spreadsheets for Engineering Technology

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): COAP 172, COAP 197

You will gain an intermediate knowledge of electronic spreadsheets. You will determine when to use a spreadsheet and when to use a database.

COMP 107 Introduction to Computer Applications

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): COMP 105

You will be introduced to computer hardware components as well as operating and system software. You will become proficient in using application software such as word processing and spreadsheets. Your studies will help you develop file management techniques and email etiquette.

COMP 108 Introduction to Digital Communication

Credit Units: 1.0 Course Hours: 15.0

You will receive instruction and practice in correct ergonomic and touch typing techniques to enhance your ability to communicate in a digital format. You will also use Microsoft Outlook and Lotus Notes to create emails and use features such as calendar, contacts and tasks.

COMP 108CE Introduction to Digital Communication

Credit Units: 1.0 Course Hours: n/a

You will receive instruction and practice in correct ergonomic and touch typing techniques to enhance your ability to communicate in a digital format. You will also use Microsoft Outlook and Lotus Notes to create emails and use features such as calendar, contacts and tasks.

COMP 109 SCADA Systems

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to Supervisory Control and Data Acquisition (SCADA) Systems. Your studies will include communication protocols, standards, Human Machine Interface (HMI) best practices and the creation of a SCADA application.

COMP 110 Control Systems

Credit Units: 3.0 Course Hours: 45.0

Your studies will include bus configurations, protection and control schemes as well as monitoring. You will also explore fault assessment and management.

COMP 111 'C' Programming for Embedded Microcontrollers

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DGTL 108, DGTL 109

You will be introduced to the fundamentals of the ‘C’ programming language. You will write a structured program in ‘C’. You will then develop programs in ‘C’ with an emphasis on embedded microcontroller applications.

COMP 112 Introduction to Computer Programming

Credit Units: 3.0 Course Hours: 45.0

You will develop programs using a general-purpose programming language. You will learn the essentials of game development. You will develop problem-solving skills by constructing algorithms to meet program input and output requirements. You will develop programs that exhibit good structure to ensure easy debugging and maintenance.

COMP 113 Spreadsheets for Engineering Technology

Credit Units: 3.0 Course Hours: 45.0

You will gain an intermediate knowledge of electronic spreadsheets. You will use spreadsheet functions and tables to process information, construct charts based on engineering data, solve advanced numerical problems, and implement custom functions.

COMP 114 Microsoft Office for Engineering

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MINE 110

You will operate Microsoft Office software. You will apply functions in Excel, PowerPoint, and MS Project. You will demonstrate PowerPoint presentation skills.

COMP 115 Introduction to Organizational Office Technologies

Credit Units: 3.0 Course Hours: 45.0

You will learn organizational technologies used to create efficiencies within the operations of an office. You will use a hands-on practical approach to learn and develop skills to create electronic file structures, identify email structure and etiquette, apply email features, create calendar events, discuss virtual communication systems, and propose current office technologies.

COMP 120 Business Solution Software

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): COMP 140

Your studies will focus on the practical use of File Management, Outlook, Word, PowerPoint, and Excel from the Microsoft Office Professional software suite. You will learn a wide range of skills from intermediate to advanced in each of the applications.

COMP 120CE Information Systems

Credit Units: 4.0 Course Hours: n/a

Equivalent Course(s): COMP 120

Your studies will focus on the practical use of File Management, Outlook, Word, PowerPoint, and Excel from the Microsoft Office Professional software suite. You will learn a wide range of skills from intermediate to advanced in each of the applications.

COMP 122 Introduction to Programming for Information Systems

Credit Units: 6.0 Course Hours: 90.0

Equivalent Course(s): COMP 141, COSC 180

You will learn introductory programming and design concepts using the Java language and GIT for source control. Your studies will develop your logic and problem solving skills using elements of the Unified Modeling Language (UML) to develop structured and object oriented Java programs.

COMP 123 Introduction to Business Computing

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): COAP 120

You will learn how to use computers to analyze business data and collaborate on documents and projects. You will gain hands on experience with advanced features of the Windows Operating System and the Microsoft Office suite of tools including file systems and directories, spreadsheets, databases, and SharePoint site management. You will also study best practices for collaborative document production and document management.

COMP 1610 Computer and Digital Tech Level 1

Credit Units: 0.0 Course Hours: 65.0

Individuals need to be able to use computers and other digital technology (cell phones, laptops, software, et al) for work and daily life. This course teaches basic computer skills, software use skills in Word, Excel and PowerPoint, email skills, internet skills, and mobile devices skills. It is designed to give learners digital fluency to assist them in the workplace and home.

COMP 1611 Computer and Digital Tech Level 2

Credit Units: 0.0 Course Hours: 65.0

Computers and other digital technology (cell phones, lap tops, software, et al) are an integral part of one's daily life and work life. This course covers basic computer skills, software use in Word, Excel and PowerPoint, email skills, internet skills and mobile devices. It is designed to give learners proficiency in computer and digital technology to assist them in the workplace and home.

COMP 170 Basic Computer Operation

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): COAP 342, COMP 182

You will be introduced to the basics of computer concepts. Topics you will study include computer components, hardware and software, working in a graphical user interface, file management, word processing and the Internet. The general skills you learn in this course will prepare you for further courses such as word processing, spreadsheets and presentation graphics.

COMP 170CE Basic Computer Operation

Credit Units: 1.0 Course Hours: n/a

You will be introduced to the basics of computer concepts. Topics you will study include computer components, hardware and software, working in a graphical user interface, file management, word processing and the Internet. The general skills you learn in this course will prepare you for further courses such as word processing, spreadsheets and presentation graphics.

COMP 171 Introduction to Microsoft Word

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): CKEY 187, COAP 196, COAP 343, COMP 120, COMP 154

Your studies will introduce you to basic word processing skills such as creating, editing and formatting documents, building tables, using templates and applying styles.

COMP 171CE Introduction to Microsoft Word

Credit Units: 1.0 Course Hours: n/a

Your studies will introduce you to basic word processing skills such as creating, editing and formatting documents, building tables, using templates and applying styles.

COMP 172 Introduction to Microsoft Word and Excel

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): COAP 120, COAP 172, COAP 381, COMP 120

You will learn the purpose and uses of a word processor and electronic spreadsheet. You will develop the basic skills of creating, editing and formatting documents and spreadsheets.

COMP 172CE Introduction to Microsoft Word and Excel

Credit Units: 1.0 Course Hours: n/a

You will learn the purpose and uses of a word processor and electronic spreadsheet. You will develop the basic skills of creating, editing and formatting documents and spreadsheets.

COMP 173 Introduction to Microsoft PowerPoint and Web Publishing

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): COAP 138, COAP 196, COMP 120

Your studies will introduce you to basic skills in the use of PowerPoint software for designing, editing and delivering presentations. You will learn the fundamentals of web publishing for simple web page development.

COMP 173CE Introduction to Microsoft PowerPoint and Web Publishing

Credit Units: 1.0 Course Hours: n/a

Your studies will introduce you to basic skills in the use of PowerPoint software for designing, editing and delivering presentations. You will learn the fundamentals of web publishing for simple web page development.

COMP 174 Introduction to Microsoft Excel 1

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): COAP 117, COAP 138, COAP 197, COAP 344, COMP 120

You will study the basic features of Excel. You will learn to create workbooks, format spreadsheet elements, manipulate multiple worksheets, create simple charts and use simple formulas and functions.

COMP 174CE Introduction to Microsoft Excel 1

Credit Units: 1.0 Course Hours: n/a

You will study the basic features of Excel. You will learn to create workbooks, format spreadsheet elements, manipulate multiple worksheets, create simple charts and use simple formulas and functions.

COMP 175 Introduction to Microsoft Excel 2

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): COMP 172 or COMP 174

Equivalent Course(s): COAP 344, COMP 284

You will study the intermediate features of Excel. Using the skills and knowledge you acquired in COMP 174 (Introduction to Excel 1), you will learn to use more advanced spreadsheet functions, create and modify several chart types, and perform data manipulation.

COMP 175CE Introduction to Microsoft Excel 2

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): COMP 172 or COMP 174

You will study the intermediate features of Excel. Using the skills and knowledge you acquired in COMP 174 (Introduction to Excel 1), you will learn to use more advanced spreadsheet functions, create and modify several chart types, and perform data manipulation.

COMP 176 Introduction to Microsoft Access 1

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): CDBM 190, COAP 138, COAP 197, COAP 345, COMP 120, COMP 284

Your studies will focus on the basic features of Microsoft Access. You will create simple tables, queries, forms and reports. You will also modify database elements such as fields and records.

COMP 176CE Introduction to Microsoft Access 1

Credit Units: 1.0 Course Hours: n/a

Your studies will focus on the basic features of Microsoft Access. You will create simple tables, queries, forms and reports. You will also modify database elements such as fields and records.

COMP 179 Introduction to PowerPoint

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): COAP 138, COMP 120, COMP 173

You will receive instruction and practice in creating, modifying and delivering a presentation using Microsoft PowerPoint. You will enhance the presentation by adding charts, tables, visual elements, multimedia, transition effects and animations. You will study how to present, distribute and customize presentations.

COMP 179CE Introduction to PowerPoint

Credit Units: 1.0 Course Hours: n/a

You will receive instruction and practice in creating, modifying and delivering a presentation using Microsoft PowerPoint. You will enhance the presentation by adding charts, tables, visual elements, multimedia, transition effects and animations. You will study how to present, distribute and customize presentations.

COMP 192 Computer Fundamentals 1

Credit Units: 3.0 Course Hours: 48.0

You will learn basic skills in managing files on a computer and in using word processing, spreadsheet, and presentation software packages.

COMP 200 Operating Systems

Credit Units: 4.0 Course Hours: 53.0

Equivalent Course(s): COOS 280

The course content will provide you with the skills needed to understand and perform basic administrative and configuration tasks on common operating systems. You will develop skills regarding file systems, user and group rights, file system permission and common maintenance tasks. Your studies will include Linux.

COMP 201 Introduction to Database Design

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): COMP 176*

You will develop an appreciation for good database design. You will learn the theory required to design a database, which include the types of data, relationships within the data, table structures and the creation of business rules.

COMP 202 Structured Query Language SQL

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 201*

Equivalent Course(s): CDBM 190

You will learn Structured Query Language (SQL). Your studies will include course content on retrieving and modifying data stored on database servers, and concepts related to relationships and proper table design principles.

COMP 204 Server Side Scripting 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COMP 202*

Equivalent Course(s): COSC 285

You will develop the skills needed to create server side scripting applications using Hypertext Preprocessor (PHP). Your studies will include scripting fundamentals, stateless session management and database connectivity.

COMP 205 Server Side Scripting 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 204*

You will develop advanced skills in server side scripting using Hypertext Preprocessor (PHP). Your studies will include integrating server side scripting into Graphical User Interface (GUI) based HTML authoring environments, handling errors and using debugging techniques. You will also develop introductory skills in Object Oriented programming (OOP).

COMP 206 E-Commerce

Credit Units: 3.0 Course Hours: 46.0

Prerequisite(s): COMP 205

Your studies will include defining e-commerce, defining interface design issues and researching and evaluating e-commerce solutions. You will plan and develop an e-commerce project.

COMP 207 Computer Interfacing

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): COMP 221, COMP 222, COMP 217*

You will design, develop and debug software for embedded microcontrollers. You will choose and implement appropriate strategies for interfacing microcontroller based systems to various peripherals (including memory, keypads, displays, analog-to-digital (A/D) and digital-to-analog (D/A) converters, switches and different types of transducers).

COMP 211 Introduction to Computer Programming

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 105

Your studies will focus on an introduction to computer programming theory and development. You will learn how to design and build computer software using industry standard languages and development environments. You will be introduced to Object Oriented Programming (OOP) concepts and develop graphical user interface software that performs relevant engineering technology tasks.

COMP 212 Geomatics Programming 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): COMP 211

Building on your previous skills, you will practice object oriented programming (OOP). You will learn the benefits of using structure and class objects. You will begin to focus on creating software to solve geomatics specific problems. You will learn how to customize existing software by creating native tools that solve geomatics specific tasks beyond the built in functionality and tools of the software. You will learn how to customize a programmable calculator to have it solve geomatics specific tasks.

COMP 213 Geomatics Programming 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 212

Building on your computer programming skills, you will study how graphics, animations and external device communications can be incorporated into software. You will investigate current communication technologies found on geomatics equipment and identify their uses and limitations. You will complete a geomatics software development project that includes design, implementation, testing and demonstration of the software.

COMP 214 Project Management

Credit Units: 4.0 Course Hours: 64.0

You will develop essential project management skills that will place you in a position to make an immediate and valuable contribution to the success of real world projects. You will study industry standards and methodologies to develop an appreciation of the resources available to project managers. You will learn tools and techniques which are useful to the project process groups and knowledge areas. You will study the theory that supports project management and how apply it to real-world examples.

COMP 215 Internet Application Development 1

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): COMP 122

You will learn the fundamentals of Web design and application development. You will learn to create Web content that communicates effectively and is easy to maintain. Your studies will include learning HTML5, JavaScript, JQuery, AJAX and JavaScript sockets.

COMP 216 AJAX

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COMP 205*

You will learn the principles of AJAX (Asynchronous JavaScript and XML). You will create AJAX enabled web pages to simplify and enhance a variety of web experiences.

COMP 217 Computer Interfacing Laboratory

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 221, COMP 222, COMP 207*

You will design, construct and debug a project based on embedded microcontrollers. Your project will involve interfacing to analog and digital peripherals, keypads, displays, and actuators.

COMP 218 Industrial Computer Applications

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CIRC 107, CIRC 108

Corequisite(s): CIRC 200

Equivalent Course(s): COAP 136

You will use an object-oriented programming language to create and document solutions to instrumentation-related scenarios. You will examine logical flowcharts and pseudocode to aid in your development of algorithms appropriate for process automation applications. You will manage programming elements such as datatypes, objects, and logical structures, while placing emphasis on program documentation.

COMP 221 Computer Hardware Fundamentals

Credit Units: 4.0 Course Hours: 60.0

You will study specific integrated circuits (IC) that make up the personal computer. You will analyze characteristics and addressing techniques for various types of memory, as well as basic computer structure and operation. You will design the logic circuits for memory addressing and input/output (I/O) port decoding. You will examine and interpret the basic central processing unit (CPU) internal control unit, I/O interfacing, and secondary storage systems.

COMP 222 Microcontroller Programming

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COMP 112, DGTL 110, DGTL 111

You will be introduced to embedded microprocessor applications and architecture. You will be introduced to Assembly and C programming languages. You will construct structured C programs for embedded microcontroller projects.

COMP 227 Process Control Systems

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DGTL 110, DGTL 111

You will study methods and devices to control and automate industrial operations. You will differentiate final control operations and discrete-state control. You will design logic control circuits using Programmable Logic Controllers (PLC). You will also be introduced to supervisory control and data acquisition (SCADA) concepts.

COMP 233 Object Oriented Programming Concepts

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): COMP 122

You will learn advanced topics in Java programming and Object Oriented programming techniques. Your studies will include file manipulation, exception handling, graphical user interfaces, event handling, multi-threaded environments, and network programming. You will continue to study systems development, algorithm design and the Unified Modelling Language (UML). After completing this course, you will have developed a thorough understanding of Java's capabilities and strengths.

COMP 234 Database

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): COMP 123

You will gain experience designing computer systems that involve database processing. You will focus on the hierarchical, relational, and network design. You will also gain experience in database processing using ORACLE and Query Languages (in particular SQL and SQL*PLUS).

COMP 235 Internet Application Development 2

Credit Units: 6.0 Course Hours: 96.0

Prerequisite(s): COMP 215, COMP 234

Your studies will provide hands-on experience developing .NET applications. The course content includes Web application topics such as the .NET AJAX framework, ASP.NET, distributed computing topics such as Windows Communication Foundation and Web Services, and the ADO.NET libraries for data access. You will complete course projects using Visual Studio .NET, ASP.NET, ADO.NET, and C#.

COMP 236 Operating Systems and Environment Configuration

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): COMP 254

You will learn the fundamentals of developing software applications with open source tools and technologies. Your studies will provide you with a broad view of application development and deployment environments, including the hardware, operating systems, and servers required to develop and deploy software applications.

COMP 237 Systems Analysis and Requirements Management

Credit Units: 4.0 Course Hours: 64.0

Prerequisite(s): COMP 234

You will learn a variety of different methods, tools, and techniques that a systems analyst would use in the development of complex business information systems. You will use CASE tools to develop practical experience in planning analysis and design of business information systems. You will gather requirements, perform the analysis and begin design if a small-automated system belonging to a real world/ business/organization to gain direct experience of systems analysis.

COMP 238 Data Communications and Networks

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CIRC 222, ENGE 224, INST 228

Corequisite(s): CNTR 227, INST 236

You will design, analyze, install and evaluate digital data communication systems. The course content includes digital communication concepts, industrial networks, local area networks, and wide area networks including fiber optics. The laboratory components will provide practical experience.

COMP 246 SCADA Systems

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CNTR 230, DGTL 221, LABS 230

You will be introduced to Supervisory Control and Data Acquisition (SCADA) Systems. Your studies will include communication protocols, network systems, contrast of remote terminal units and Programmable Logic Controllers (PLC). You will create a complete SCADA Human Machine Interface application.

COMP 249 Information Security, Privacy and Ethics

Credit Units: 3.0 Course Hours: 48.0

You will learn how to plan and manage security and privacy policies. You will study the role of CIPS in providing ethical guidelines for professional conduct, and you will learn about the responsibilities of working with management information systems and their data. You will also discuss the ergonomics and health risks associated with computer based-work. Your studies will include the components of an information system security model and the threat groups that compromise them. In addition, you will be exposed to examples of security technology and how to implement it as part of a security plan.

COMP 253 Systems Project

Credit Units: 6.0 Course Hours: 96.0

Prerequisite(s): COMP 214, COMP 237

You will demonstrate your skill in systems development using real projects or contrived cases that require applying the activities of the system development cycle in an interactive data base environment. The case projects are set in a team environment with the supervising faculty member serving as your consultant and evaluator.

COMP 254 Computer Architecture and Data Communications

Credit Units: 6.0 Course Hours: 96.0

Prerequisite(s): COMP 123

You will be exposed to a wide variety of topics related to computer systems and networking. As you install and configure these system components, you will learn about computer hardware, workstation and server operating systems, and computer networking and data communications. Your studies will focus on the architecture of the Intel-based computer hardware and the Microsoft workstation and server operating system platforms.

COMP 255 Visual Application Development

Credit Units: 5.0 Course Hours: 80.0

You will study the Windows based application development environment. You will develop applications using graphical user interfaces and incorporate Object-Oriented Event-Driven (OOED) programming. The course content includes standard OOED programming concepts, graphics, database access, inter-application communications and data structures.

COMP 258 Object Oriented Software Development

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): COMP 233

You will study the fundamentals of object oriented software design, UML and data structures. You will study the creation and selection of common collections and their related algorithms. You will apply these concepts in project development involving multi-user, networked application for data access.

COMP 259 Mobile Application Development 1

Credit Units: 4.0 Course Hours: 64.0

Prerequisite(s): COMP 233

Using the Android-based application development environment, you will extend web applications to a native mobile platform. You will write mobile applications that incorporate local data storage, implement handset hardware features such as GPS and connect to the network. You will compare native application development to cross platform development for multiple devices.

COMP 262 Mobile Application Development 2

Credit Units: 4.0 Course Hours: 64.0

Prerequisite(s): COMP 259

Building on the foundation of COMP 259, you will implement more advanced Android and cross platform development techniques. You will write applications that use dynamic user interface elements, incorporate remote data storage, and communicate with web services. Using cross platform development tools, you will create a mobile application that runs on various devices and will work with a multi-tiered business application.

COMP 263 Introduction to Databases

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MULT 128

You will learn the core concepts of databases and database management. You will create, manage, and manipulate simple databases, and generate reports.

COMP 264 Version Control

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MULT 128

You will explore version control systems and learn the details of using git to track changes in software projects. You will use popular git hosting services to practice industry standard collaborative software development practices.

COMP 265 Introduction to Mobile Application Development

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 210*, MULT 213

You will learn the basics of designing and building mobile applications. You will examine current mobile application design patterns and technologies. You will create a mobile application using a mobile application development framework.

COMP 280 Computer Fundamentals 2

Credit Units: 5.0 Course Hours: 72.0

Prerequisite(s): COMP 192

Building on the skills you developed in Computer Fundamentals I (COMP 192), you will be provided with the basics of database software. One advanced topic in AutoCAD, spreadsheets or database use will also be selected.

COMP 301 Software Systems

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): COAP 222, COMP 302*

You will analyze characteristics, issues and solutions pertaining to the design and implementation of operating systems. You will master various aspects of computer system administration.

COMP 302 Software Systems Laboratory

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COAP 222, COMP 301*

You will analyze characteristics, issues and solutions pertaining to the design and implementation of operating systems. You will master various aspects of computer system administration and write software scripts.

COMP 600 Software Architecture and Programming

Credit Units: 3.0 Course Hours: 45.0

You will review fundamental programming concepts and apply them to an enterprise technology stack. You will learn how to design and deploy loosely coupled components to create software solutions. Your studies will include presentation layer technologies, business logic, service layer components, and data access. You will study best practices for secure development and research and compare technology options for building software solution architectures.

COMP 602 Information Systems

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MGMT 605, ADMN 601

You will study the basic concepts of an information system and its application to the supply chain industry. You will learn about information systems, security, ethics, information technology, data resource management, trends in digital communications, and enterprise resource systems used in the supply chain industry.

COMP 603 Programming for Data Science

Credit Units: 3.0 Course Hours: 45.0

You will study strategies to leverage the popular data science language Python. You will perform visualization of real data and become acquainted with data structures such as the dictionary and the DataFrame. You will become familiar with key concepts such as Boolean logic, control flow, and loops and use GIT (open source version control system), to perform updates and manage the versions of your source code.

COMP 604 Web Analytics and Business Intelligence Tools

Credit Units: 3.0 Course Hours: 45.0

You will study the importance of business intelligence to the modern enterprise. You will study methods to report information effectively based on audience characteristics by leveraging modern business intelligence (BI) tools.

COMP 605 Introduction to Artificial Intelligence

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 603

You will study the application of artificial intelligence (AI) application programming interfaces (APIs) to business applications. You will use AI technology to augment and automate business processes. You will implement common AI applications including image recognition, sentiment analysis, and product recommendations.

COMP 606 Machine Learning

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 603

You will study the application of algorithms and make predictions which form the foundation of machine learning. Your studies will include these ideas in machine learning: building and evaluating predictive models, tuning these models for optimal performance, and preprocessing data for better results.

COMP 607 Artificial Intelligence for Management and Ethical Issues

Credit Units: 2.0 Course Hours: 30.0

You will learn the ethical issues of artificial intelligence as well as the role of professionalism and the ethical organization for the responsible execution of AI applications. You will also learn the fundamentals of operations management, managing AI decision making, and strategic planning as it pertains to AI technology.

CONC 102 Concrete Technology 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): CONC 120

You will be introduced to the practical and theoretical aspects of concrete technology. You will perform current Canadian Standards Association (CSA) test procedures on plastic and hardened concrete as well as fine and coarse aggregates.

CONC 103 Concrete Technology 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CONC 102

Equivalent Course(s): CONC 220

You will study concrete aggregates, Portland cement, supplemental cementing materials and admixtures. You will analyze these materials through mix designs, batching and mixing. In a lab setting, you will test plastic and hardened concretes as well as finish and cure concrete mixes. You will then evaluate the test results collected and apply those findings to the given design criteria.

CONC 120 Concrete Technology 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): CONC 102

You will be introduced to the practical and theoretical aspects of concrete technology. You will perform current Canadian Standards Association (CSA) test procedures on plastic and hardened concrete, and fine and coarse aggregates.

CONC 122 Concrete

Credit Units: 2.0 Course Hours: 30.0

You will learn the skills required to test, place, consolidate, finish, and cure concrete. Concrete maintenance and repair will also be covered.

CONC 151 Concrete

Credit Units: 1.0 Course Hours: 21.0

You will develop the skills needed to test, place, consolidate, finish and cure concrete. The course content includes selecting and proportioning ingredients for producing quality concrete.

CONC 220 Concrete Technology 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CONC 120

You will analyze concrete aggregates, cement, supplemental cementing materials and admixtures. You will design various concrete mixtures. You will perform the batching and mixing of concrete mixtures. You will test plastic and hardened concrete samples. You will evaluate the test results collected and apply those findings to the given design criteria. You will discuss the different types of concrete and their uses in industry.

COOK 197 Short Order Cooking

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): FOOD 108, SANT 109

Equivalent Course(s): FOOD 102

You will learn how to prepare and produce a short order menu using the basic cooking principles of grilling, deep fat frying, sautéing and pan frying. You will practice the process of cooking meals to order in a restaurant setting.

COOP 100 Cooperative Work Term

Credit Units: 0.0 Course Hours: 0.0

Your co-operative education work term will provide you with the opportunity to consolidate theoretical and practical concepts learned in the classroom and gain valuable experience in a work setting.

COOP 101 Co-operative Work Term

Credit Units: 0.0 Course Hours: 0.0

Your co-operative education term will provide you with the opportunity to consolidate theoretical and practical concepts learned in the classroom and gain valuable experience in a work setting.

COOP 150 Co-operative Education Work Term

Credit Units: 0.0 Course Hours: 0.0

Prerequisite(s): JOBR 120

Your co-operative education work term will provide an opportunity for you to integrate the formal knowledge and skills learned in the classroom with experiential learning from the workplace. You will have the opportunity to apply theoretical concepts to real work situations, work collaboratively in team work situations, experience the complexity of the roles and responsibilities within an organization, and apply personal employment skills.

COOP 200 Cooperative Work Term

Credit Units: 0.0 Course Hours: 0.0

Your second co-operative education work term will build on the experience gained during your first work placement and provide you with additional opportunities to develop skills and techniques related to your field of studies in a real work setting.

COOP 201 Co-operative Work Term

Credit Units: 0.0 Course Hours: 0.0

Your second co-operative education term will build on the experience gained during your first work placement and provide you with additional opportunities to develop skills and techniques related to your field of studies in a real work setting.

COOP 300 Cooperative Work Term

Credit Units: 0.0 Course Hours: 0.0

Your third co-operative education work term will round out the work term experience by adding related work knowledge through the application of theories and practices relevant to your field of studies.

COOP 301 Co-operative Work Term

Credit Units: 0.0 Course Hours: 0.0

Your third co-operative education work term will round out the work term experience by adding related work knowledge through the application of theories and practices relevant to your field of studies.

COOS 101 LINUX+

Credit Units: 4.0 Course Hours: 60.0

Your studies will focus on describing, installing, configuring and administering Linux operating system workstations and servers. You will use troubleshooting practices to diagnose hardware and software problems and maintain the Linux network system. The course will help you prepare to write the CompTIA Linux+ exam.

COOS 101CE LINUX+

Credit Units: 4.0 Course Hours: n/a

Your studies will focus on describing, installing, configuring and administering Linux operating system workstations and servers. You will use troubleshooting practices to diagnose hardware and software problems and maintain the Linux network system. The course will help you prepare to write the CompTIA Linux+ exam.

COOS 181 Operating Systems Fundamentals

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): COOS 180

You will be provided with the knowledge and skills required to install and configure desktop computers and other devices for use in a Windows business environment.

COOS 181CE Operating Systems

Credit Units: 5.0 Course Hours: n/a

You will be provided with the knowledge and skills required to install and configure desktop computers and other devices for use in a Windows business environment.

COOS 190 Systems Administration 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COOS 181

In this course you will install and configure Microsoft Server 2016 for use as a network operating system. On the completion of this course, you will have covered the learning objectives required in the Microsoft 70-740 certification exam. The Computer Systems Technology program does not provide exams for Microsoft certification.

COOS 291 Advanced Operating Systems

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): COOS 181

Equivalent Course(s): COOS 280

You will learn to work with both the command line and graphical interfaces of the Linux operating system. In addition you will learn about the file system, shell programming, system and network administration. Special emphasis will be placed on learning about Linux networks and telecommunications studies.

COOS 293 Systems Administration 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COOS 190 or CNET 190

You will study advanced network administration skills by managing network servers and services. You will develop the skills and knowledge to implement IP and network addressing services, manage name resolution services and remote access capability, and configure network policy infrastructure. You will be able to oversee a complex network environment and configure numerous network services with a variety of administrative tools. On completion of COOS293, you will have covered the learning objectives specified as preparation for the Microsoft 70-741 certification exam. The Computer Systems Technology program does not provide exams for Microsoft certification.

COOS 294 Enterprise Server Administration

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COOS 190 or CNET 190

You will study administration skills for specialized enterprise level servers. You will then learn how to perform ongoing configuration and management of the servers.

COOS 295 Systems Administration 3

Credit Units: 3.0 Course Hours: 50.0

Prerequisite(s): COOS 293 or CNET 293

Equivalent Course(s): CNET 295

You will learn how to deploy and configure Active Directory Domain Services (AD DS) in a distributed environment. You will learn how to implement Group Policy, perform backup and restore, as well as monitor and troubleshoot AD-related issues with Windows Server. You will deploy other AD server roles such as Active Directory Federation Services (AD FS) and Active Directory Certificate Services (AD CS). You will use Microsoft Official Academic Course (MOAC) curriculum and training materials. On completion of COOS 295, you will have covered the learning objectives required in the Microsoft 70-742 certification exam. The Computer Systems Technology program does not provide exams for Microsoft certification.

CORR 100 Managing Clients in Public Safety Settings

Credit Units: 3.0 Course Hours: 45.0

You will develop specific skills for interacting with diverse groups of individuals in various public safety situations and settings. Content will include strategies for dealing with clients in high stress situations and strategies to defuse hostile situations.

CORR 100CE Managing Clients in Public Safety Settings

Credit Units: 3.0 Course Hours: n/a

You will develop specific skills for interacting with diverse groups of individuals in various public safety situations and settings. Content will include strategies for dealing with clients in high stress situations and strategies to defuse hostile situations.

CORR 102 Traffic Safety and Unknown Risk Vehicle Stops

Credit Units: 2.0 Course Hours: 30.0

You will apply legal authority and demonstrate how to appropriately conduct an unknown risk vehicle stop.

CORR 103 Writing in the Public Safety Sector

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): COMM 119

You will learn to write clearly and concisely, while applying public safety standards. You will have the opportunity to complete handwritten documents, and record descriptions of events for public safety reports.

CORR 134 Abnormal Behaviour

Credit Units: 4.0 Course Hours: 60.0

You will compare general information on abnormal behavior to the theories on the causes of abnormal behavior and explore current treatment options.

CORR 135 Criminology

Credit Units: 3.0 Course Hours: 45.0

You will describe current theories of crime, identify types of crime and analyze various methods of social control.

CORR 159 Extrajudicial Programs

Credit Units: 2.0 Course Hours: 30.0

You will examine the various community agencies and alternative measures programs that are part of the court system.

CORR 167 Criminal Justice System

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): YCW 187

You will examine the components of the criminal justice system. You will examine how the components work together to respond to crime and crime control.

CORR 167CE Criminal Justice System

Credit Units: 3.0 Course Hours: n/a

You will examine the components of the criminal justice system. You will examine how the components work together to respond to crime and crime control.

CORR 175 Introduction to Corrections

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the organizational structures of federal and provincial correctional systems. You will study the historical development of prisons in Canada. In this course you will also have an opportunity to tour federal and provincial correctional institutions.

CORR 176 Youth Justice

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SOCI 184

You will review young offender legislation and examine Saskatchewan's model for managing young offenders. You will discuss trends in approaches to youth justice and also examine specific programs delivered in Saskatchewan.

CORR 177 Women in Corrections

Credit Units: 3.0 Course Hours: 45.0

You will explore the historical roots of incarcerated women in Canada. Your studies will include studying gender issues in correctional programming, institutional initiatives for female offenders, and gender issues for female correctional staff.

CORR 179 Offender Supervision

Credit Units: 2.0 Course Hours: 30.0

You will gain an understanding of offender typologies and develop specific skills for supervising inmates. You will learn institutional polices relating to offender management and apply supervisory skills in a variety of situations.

CORR 183 Correctional Reporting Procedures

Credit Units: 3.0 Course Hours: 45.0

You will develop observational skills which support the objectives of the offender disciplinary process. Based on these acquired skills, you will write reports common to federal and provincial corrections. You will also link information in institutional reports to the delivery of testimony in both institutional and open court systems.

CORR 184 Introduction to Case Management

Credit Units: 2.0 Course Hours: 30.0

You will examine the federal and provincial case management process from sentencing to the development of initial case plans.

CORR 188 Offender Programming

Credit Units: 2.0 Course Hours: 30.0

You will review offender programming initiatives in correctional and community settings. You will be able to identify social learning tools as well as the objective and goals of offender programs.

CORR 189 Charter and Policy

Credit Units: 1.0 Course Hours: 18.0

You will review legislative and policy directives that impact on the administration of security within institutions. The rights of inmates will be examined along with Institutional policies that govern a correctional officer's daily duties and an inmate's rights.

CORR 190 Elements of Security

Credit Units: 4.0 Course Hours: 60.0

You will examine the basic foundations of providing security in an institutional setting, the primary role of the correctional officer in providing care, custody and control of offenders and the concept of static and dynamic security. You will define and identify various types of contraband found in correctional institutions as well as the protocol for gathering and preserving contraband as evidence. You will analyze the Correctional Service of Canada Engagement and Intervention Model and the RCMP Policing Problem Solving Model CAPRA (Clients Acquire/Analyze information, Partnership, Response and Assessment of Action) as a means of managing response options in relation to institutional emergencies and offender behavior. You will also receive hands-on instruction in the application of searching techniques involving offender occupied areas.

CORR 191 Offender Control

Credit Units: 2.0 Course Hours: 30.0

You will apply restraint equipment and perform search and seizure techniques on clothed and unclothed offenders.

CORR 192 Violent Offenders

Credit Units: 3.0 Course Hours: 45.0

You will identify violent and sexual offender typologies and discuss the theoretical explanations for violence and sadism. You will examine how Dangerous Offenders and Long Term Supervision Orders are determined by the court. You will also examine intervention strategies for violent and sexual offenders both in the institution and the community.

CORR 193 Institutional and Community Case Management

Credit Units: 2.0 Course Hours: 30.0

You will examine the process by which offender progress is monitored in federal and provincial institutions. Specific emphasis will be placed on the case planning required to prepare offenders for reintegration back into the community. You will discuss the conditional release process and the intervention strategies utilized in community release plans.

CORR 194 Project in Justice Studies

Credit Units: 4.0 Course Hours: 60.0

You will choose a topic in justice studies and develop a project or complete a research paper according to guidelines established by the program. All projects/research topics will be developed in conjunction with a program advisor.

CORR 240 Institutional Corrections

Credit Units: 4.0 Course Hours: 60.0

You will review legislative and policy directives that impact on inmates' rights, their redress and the administration of security within institutions. You will be introduced to various inmate subcultures and the effect that prison gangs have on institutional operations. Manipulative behaviors resulting in staff members being "set-up" by inmates in correctional settings will be analyzed. You will examine indicators that contribute to disturbances and major incidents that occur in prisons. You will be introduced to the Crisis Management process as a means of address in various disturbances and major incidents. You will further examine contingency plans, procedural policies and resource teams related to responding to institutional emergencies.

CORR 245 Job Preparation

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): LEGL 143

You will develop skills that allow you to successfully compete for jobs in the field of corrections.

COSA 190 Systems Analysis and Design

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COSC 180

You will explore and apply the concepts required to analyze, design, create, install and document a systems project. You will be exposed to key project management concepts and practices. You will be introduced to an industry standard modeling graphical language.

COSA 195 Systems Project

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CDBM 190, COSA 190, COSC 190

Corequisite(s): CPMG 195

Equivalent Course(s): COSP 191

You will gain experience in small systems analysis, design and implementation. You will be assigned to groups and given the specifications for a software system. You will work together as a team to develop a working system for the client. Emphasis is on the software development process.

COSA 280 IT Development Project 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CDBM 280*, CWEB 280*, COSA 195, CPMG 195

Corequisite(s): CPMG 280

You will study and employ the practical and theoretical concepts obtained in first year systems analysis and design courses by building an IT system. You will work as part of a development team on an IT problem for an external industry client. Your project will include the production and demonstration of functioning components of the system each release within deadlines set out in your project management documentation.

COSA 290 IT Development Project 2

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): COSA 280, CDBM 280, CPMG 280

Corequisite(s): CPMG 290

You will continue your work as part of a development team on an IT problem for an external industry client that was started in COSA 280. Your project will include the production and demonstration of functioning components of the system each released within deadlines set out in your project management documentation. You will present the final product to the client.

COSC 1500 Computer Science Bridging

Credit Units: 0.0 Course Hours: 100.0

A preparatory course for the Computer Science 30 course.

COSC 180 Introduction to Programming

Credit Units: 6.0 Course Hours: 90.0

You will learn concepts used in object-oriented programming. You will create programs that use variables, allow for user input and output, and provide opportunities for simple decision strategies. You will also learn how to work with different variable types and how to debug programs. In addition, you will create and use strategies that involve repetition (looping) in your programs. You will create methods and work with elementary data collections (arrays). You will learn how to create object templates (classes) and create and utilize object in your programming. You will develop an understanding of inheritance and polymorphism, and you will utilize these object oriented techniques to solve problems.

COSC 180CE Introduction to Programming

Credit Units: 7.0 Course Hours: n/a

You will learn concepts used in object-oriented programming. You will create programs that use variables, allow for user input and output, and provide opportunities for simple decision strategies. You will also learn how to work with different variable types and how to debug programs. In addition, you will create and use strategies that involve repetition (looping) in your programs. You will create methods and work with elementary data collections (arrays). You will learn how to create object templates (classes) and create and utilize object in your programming. You will develop an understanding of inheritance and polymorphism, and you will utilize these object oriented techniques to solve problems.

COSC 181 Computer Science

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COAP 172

Equivalent Course(s): COSC 193, COSC 284

You will be provided an introduction to computers and computer programming, a description of structured programming and the program development cycle. You will learn how to design modular event-driven programs using a top-down structured approach. Your lab work will include using the Visual Basic.Net language to develop applications for solving engineering problems. Your introduction to VB.Net and VB.Net environment will be followed by a discussion of object-oriented programming using an object oriented event-driven high-level language, event procedures, forms and form controls. You will learn techniques for coding event procedures using algorithms and flow charts to implement sequence selection and repetition control structures. You will examine functions, subprocedures and arrays. Examples used in the lab will be taken from engineeering applications.

COSC 190 Intermediate Programming

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): COSC 180

You will receive instruction in working with data structures and creating recursive methods. You will utilize standard file input/output techniques. You will learn about the basic tenants of Functional programming. You will become familiar with and be able to manipulate such advanced data structures as stacks and queues. The course content includes introductory GUI development, thread-based programming, and builds towards an introduction of Network programming techniques (sockets and Database access).

COSC 193 Programming and Numerical Methods

Credit Units: 4.0 Course Hours: 64.0

Equivalent Course(s): CDBM 190

You will gain an understanding of computer programming by developing your basic programming skills and knowledge, and applying them to the structured solution of engineering problems. Developing good programming habits, flowcharts/ algorithms and structured, modular programs that are well documented and tested will be emphasized. You will use Graphical User Interfaces to provide high-quality presentations of program data and results, and to conform to the high standards and expectations of today's users.

COSC 195 Mobile Application Programming

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): COSC 190

You will develop mobile application programs. Your studies will focus on the Android mobile environment and include an understanding of the mobile application development environment. You will develop simple and advanced mobile applications as well as understand mobile environment limitations and security issues with mobile applications. You will have an opportunity to publish mobile applications.

COSC 195CE Mobile Application Programming

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): COSC 190

You will develop mobile application programs. Your studies will focus on the Android mobile environment and include an understanding of the mobile application development environment. You will develop simple and advanced mobile applications as well as understand mobile environment limitations and security issues with mobile applications. You will have an opportunity to publish mobile applications.

COSC 20 Computer Science 20

Credit Units: 1.0 Course Hours: 100.0

Develops knowledge and understanding of computer systems, of problem-solving methods and techniques, and of the fundamentals of computer program writing and software design.

COSC 262 Database Programming

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COMP 176

You will learn the structure of program design, development, testing and documentation. You will learn to design single and multi-table databases using the Statistical Package for Social Sciences (SPSS) and Access. Your course content will include the fundamentals of algorithms and algorithm analysis.

COSC 262CE Database Programming

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): COMP 176

You will learn the structure of program design, development, testing and documentation. You will learn to design single and multi-table databases using the Statistical Package for Social Sciences (SPSS) and Access. Your course content will include the fundamentals of algorithms and algorithm analysis.

COSC 286 Advanced Programming 1

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): COSC 190

You will study the use of predefined abstract data types and user defined abstract data types to improve program modularity. Your studies will include the design and implementation of abstract data types using object-oriented data structures. Topics will include alternative implementations of data structures and sorting techniques using interfaces, collections and iterators.

COSC 292 Advanced Programming 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COSC 286

You will study structured programming techniques, a procedural language, functions, pointers, file input/output, records and dynamic memory management to create applications.

COSC 295 Advanced Mobile Application Programming

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COSC 195

You will study basic iOS application development for Apple mobile devices and cross platform development that works on Android and Apple devices. Your studies will include an introduction to a programming language required to create applications for iOS mobile devices. Also, you will utilize a cross platform development tool to create a mobile application that can run on multiple platforms.

COSC 600 Introduction to Programming 1

Credit Units: 3.0 Course Hours: 45.0

You will learn concepts used in programming. You will create programs that use variables, allow for user input and output, and provide opportunities for simple decision strategies. You will also learn how to work with different variable types and how to debug programs. In addition, you will create and use strategies that involve repetition (looping) in your programs. You will create methods and work with elementary data. The content in COSC 600 will prepare you for COSC 601 - Introduction to Programming II.

COSC 601 Introduction to Programming 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COSC 600*

You will develop problem-solving skills through the use of detailed algorithms and be introduced to structured and object oriented design techniques. The course content includes continuing the evolution of methods, encapsulation, instantiating and using objects. You will study the following topics: overriding and abstract methods, interfaces, inheritance, dynamic binding and polymorphism.

COSC 602 Intermediate Programming 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COSC 601

You will receive instruction in working with common array algorithms and creating recursive methods. You will learn to use exception-based programming techniques to handle runtime errors. You will become familiar with and be able to manipulate such advanced data structures as stacks and queues. You will learn functional programming and build interactive Graphical User Interface (GUI) based applications.

COSC 603 Intermediate Programming 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COSC 602*

You will receive instruction in working with data structures. You will study introductory concepts related to test driven development (TDD), thread-based programming, network programming and database programming. You will use standard file input/output techniques.

COSC 604 Advanced Programming

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COSC 603*, COSC 602*

You will become familiar with the concept of an abstract data type. You will use the abstract data type to define various data structures that have useful characteristics which can be exploited to solve problems efficiently. You will study the use of predefined abstract data types and user defined abstract data types to improve program modularity and efficiency. Your studies will include the design and implementation of abstract data types using objected oriented techniques. Topics will include alternative implementations of data structures and sorting techniques using interfaces, collections and iterators. You will use graph data structure and associated algorithms to solve problems efficiently.

COUN 100 Crisis Intervention

Credit Units: 1.0 Course Hours: 16.0

You will learn the principles of crisis intervention. You will demonstrate basic strategies for dealing with individuals who are in a state of crisis.

COUN 100CE Crisis Intervention

Credit Units: 1.0 Course Hours: n/a

You will learn the principles of crisis intervention. You will demonstrate basic strategies for dealing with individuals who are in a state of crisis.

COUN 151 Brief Screenings

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ETHC 140

You will examine and practice using various brief screening instruments. You will practice administering, scoring, interpreting, and presenting brief screening results.

COUN 152 Suicide Interventions

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): COUN 151*

Equivalent Course(s): SPSY 123

You will receive information on suicide, and suicide prevention and intervention. The course content includes recognizing suicidal behaviour, assessing risk and practicing prevention and intervention techniques. You will also discuss addictions centre protocol.

COUN 157 Motivational Interviewing

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CDEP 177

Equivalent Course(s): COUN 150

You will examine the elements and process of motivational interviewing. You will also explore what motivates a person to change, in particular, to seek and maintain recovery from various conditions. You will practice the motivational interviewing process and working with resistant clients.

COUN 158 Assessments and Recovery Plans

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CDEP 178, CDEP 180, CDEP 181, CLTR 148, ETHC 140, HUMD 144, MHA 143, MHA 144

Equivalent Course(s): COUN 149

You will examine various comprehensive assessment instruments, the process of assessing clients using the whole person model in treatment modalities, case management procedures, risk assessment and best practices. You will practice both paper and electronic documentation and record keeping.

COUN 159 Counselling Theory

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ETHC 140

You will receive an orientation to the complete skilled helping process. You will examine establishing rapport, foundational counselling skills, assessing client problems, the process of facilitating client self-exploration, assisting a client in developing new perspectives and setting goals. You will also examine the skills of challenging clients when they are stuck and the process of facilitating clients in designing their treatment plans.

COUN 160 Crisis Intervention

Credit Units: 1.0 Course Hours: 16.0

You will learn the principles of crisis intervention and negotiation as they apply to policing. You will demonstrate basic strategies for dealing with individuals who are in a state of crisis.

COUN 180 Suicide Intervention

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PRAC 385

You will acquire knowledge and develop skills for suicide prevention and intervention. You will explore personal and community perspectives on suicide. You will identify and assess suicide risk factors, apply suicide intervention techniques, and examine ways to mobilize community support. You will identify suicide prevention and post-vention strategies related to helping individuals and the community.

COUN 180CE Suicide Intervention

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): PRAC 385

You will acquire knowledge and develop skills for suicide prevention and intervention. You will explore personal and community perspectives on suicide. You will identify and assess suicide risk factors, apply suicide intervention techniques, and examine ways to mobilize community support. You will identify suicide prevention and post-vention strategies related to helping individuals and the community.

COUN 241 Counselling Modalities

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to various counselling approaches including person-centered, cognitive and behavioural, choice theory, post-modern and integrative modalities. You will advance your counselling approach and research the role of cultural knowledge and culture-specific techniques within each counselling approach. You will then integrate a counselling modality into a trauma-informed framework.

COUN 245 Group Facilitation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MHA 102, MHA 206, SEM 202

Equivalent Course(s): COUN 240

You will apply group facilitation skills and prepare the environment for a group counselling session. You will demonstrate group management, practice additional strategies to intervene with challenging behaviours, assess group progress, and facilitate and evaluate a delivered group experience.

CPMG 100 Information Technology Project Management

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CNET 120

You will be introduced to project management. You will propose and implement an information technology project. You will present your network design.

CPMG 195 Systems Project Management

Credit Units: 1.0 Course Hours: 20.0

Prerequisite(s): COSA 190, TCOM 190

Corequisite(s): COSA 195

Equivalent Course(s): COSP 190

You will practice project management, documentation, meeting and presentation skills. As a contributor to a computer system development project, you will prepare for and participate in project meetings, prepare project management documentation, manage progress using project management techniques, maintain storage of project documentation and deliver a presentation on the project to the client.

CPMG 280 IT Development Project Management 1

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): COSA 195, CPMG 195

Corequisite(s): COSA 280

You will practice project management, documentation, meeting and presentation skills. As a contributor to a computer system development project, you will prepare for and participate in project meetings, prepare project management documentation, adapt project management processes as required, manage progress using project management techniques and manage storage of project documentation.

CPMG 290 IT Development Project Management 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): COSA 280, CPMG 280

Corequisite(s): COSA 290

Equivalent Course(s): TCOM 290

You will continue your project management work from CPMG 280. You will continue to improve your project management, documentation, meeting and presentation skills. As well, you will make use of project monitoring techniques. As a contributor to a computer system development project, you will prepare for and participate in project meetings, prepare project management documentation, adapt project management processes as required, manage progress using project management techniques, manage storage of project documentation and deliver a presentation on a project.

CRWT 100 Writing for Social and Interactive Media

Credit Units: 4.0 Course Hours: 60.0

You will develop a theoretical understanding of the content used for Social and Interactive Media. You will gain practical experience in the basics of writing and editing online content and how to create a digital story.

CRWT 100CE Writing for Social and Interactive Media

Credit Units: 4.0 Course Hours: n/a

You will develop a theoretical understanding of the content used for Social and Interactive Media. You will gain practical experience in the basics of writing and editing online content and how to create a digital story.

CRWT 101 Introduction to Script Writing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PROF 100

You will practice creative writing techniques aligned with corporate projects and work on the research process, content requirements, script formats, and proposal writing to secure projects.

CRWT 200 Story Development

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CRWT 101

You will examine dramatic writing techniques used to develop both fiction and non-fiction scripts. Your studies will focus on characterization, dialogue, visualization, and the revision process in script writing. You will apply these skills to produce fictional and non-fictional scripts.

CSEC 200 Security

Credit Units: 2.0 Course Hours: 28.0

Equivalent Course(s): COAP 104

You will learn the basic concepts of computer security. The course content includes encryption, firewalls and proxies, authentication and certificates, general security considerations and best practices. You will create a best-practices checklist as a practical exercise.

CSEC 280 Security 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNET 184

You will learn the fundamentals of computer security. You will learn to recognize several areas of security attacks, examine current security measures and evaluate techniques to enhance existing measures. You will examine methods to maintain the integrity of an organizations network infrastructure and the day-to-day operations.

CSEC 295 Security Topics

Credit Units: 3.0 Course Hours: 50.0

Prerequisite(s): COHS 280, COOS 293, COSC 292, COSC 295

You will learn various attack and defense methodologies. While exploring current and emerging security topics you will learn how computer security affects businesses and business data. You will be introduced to the protection of an organizations assets, intellectual property and employees as well as methods for maintaining business continuity.

CSEC 300 Cybersecurity

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COHS 220

You will be introduced to computer and network security concepts. You will gain knowledge on the multiple areas of cybersecurity and its implementation.

CSEC 600 Operating Systems and Applications Security

Credit Units: 3.0 Course Hours: 45.0

You will focus on the vulnerabilities of Windows and Linux operating systems. Your studies will include the best practices and methodologies to ensure that critical security upgrades and system patches are installed. You will explore vulnerabilities to web applications.

CSEC 601 Web Security

Credit Units: 3.0 Course Hours: 45.0

You will delve into the current scripting and computer languages used by modern web clients and servers. Your focus will be on the programming methodologies used to prevent exploitation of web security vulnerabilities.

CSEC 602 Security Planning

Credit Units: 3.0 Course Hours: 45.0

You will develop the skills to identify essential elements of a Security Management System and the business processes that require protection. You will develop the skills and knowledge to conduct risk assessments that will identify vulnerabilities and countermeasures to prevent and mitigate system failures. You will be able to identify the consequences of data loss and the safeguards to prevent data loss. Your studies will concentrate on the principles of implementing security in an organization, the preparation of cybersecurity policies and the assessment of effectiveness of existing cybersecurity policies.

CSEC 603 Information Security Testing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CSEC 602

You will learn how cyber-attacks penetrate Information Technology (IT) systems by circumventing security or exploiting vulnerabilities in the systems. You will apply a methodical approach to surveying, testing and auditing systems, and you will learn to prepare secure system designs, identify vulnerabilities, and defend systems against intrusion.

CSEC 605 Network Monitoring and Penetration Testing

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CNET 601, CSEC 600, INTL 600*

You will learn techniques used to monitor networks for unauthorized access. Your studies will include the concept of ethical hacking and the tools and methods systems used to test the security of systems currently in operation.

CSEC 606 Ethical Hacking and Exploits

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CSEC 602

You will learn various attack and defense methodologies. While exploring current and emerging security topics you will learn how computer security affects businesses and business data. You will be introduced to the protection of an organizations assets, intellectual property and employees as well as methods for maintaining business continuity.

CSEC 607 Digital Forensics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): INTL 601*

You will study the principals of digital forensics to detect, recover, trace, analyze and interpret digital evidence. You will file structure, data recovery techniques, data hiding and the process for conducting a digital investigation.

CSEC 608 Cloud Security

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CNET 601, CSEC 600, INTL 600*

You will delve into the use of cloud computing services. You will be able to identify the benefits and downsides of integrating cloud-based services in a company's operation. You will study best practices to manage the configuration and security of cloud environments to host business applications. You will develop the skills and knowledge to conduct evaluations of cloud adoption and migration.

CSRV 103 Windows Server Administration

Credit Units: 4.0 Course Hours: 60.0

You will focus on Windows Server administration best practices and tools for managing Windows Servers. You will learn to navigate the Windows Server Admin Centre to perform various administration tasks and manage network infrastructure services.

CUST 100 Customer Service Skills

Credit Units: 2.0 Course Hours: 30.0

You will develop your skills in providing customer service with an understanding of cultural, gender and disability diversity. The importance of customer service to an organization will be stressed.

CUST 160 Professional Skills for Service Excellence

Credit Units: 2.0 Course Hours: 30.0

You will examine professionalism within your occupation and the values and ethics that guide your work. You will learn about privacy legislation, gain skills in ethical decision-making, and enhance your skills in identifying and meeting your clients' service needs. You will also identify different types of challenging service situations and learn ways of dealing with them.

CVEN 198 Civil Drafting 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CADD 211

You will be introduced to civil engineering and design concepts. Your studies will include urban transportation design, site grading, project planning, and digital transformation for civil infrastructure. You will create intelligent civil infrastructure models that will be used to produce a drawing set. You will use software such as Autodesk Civil 3D to an essential skill level.

CVEN 199 Civil Design

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CVEN 198

You will study the analysis, planning, and design of municipal infrastructure. You will calculate requirements for municipal infrastructure using design guidelines. You will study the requirements of site grading, storm sewer, sanitary sewer, and water distribution networks.

CVEN 200 Civil Drafting 2

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): CVEN 199

You will study site planning, site grading, and underground utilities for municipal infrastructure. You will develop a project plan, create intelligent models, and apply digital transformation concepts. You will produce a civil drawing set applying these concepts. You will use software such as Autodesk Civil 3D to an intermediate skill level.

CVEN 201 Civil Drafting Project

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CVEN 199, CVEN 200

Corequisite(s): BIM 300

You will complete a civil drafting project. You will prepare a project plan based upon the needs of a client that will include site design, site grading, and underground utilities. You will apply digital transformation to create intelligent models. Using those models, you will create a materials take-off list as well as a drawing set. You will use software such as Autodesk Civil 3D to an intermediate skill level.

CWEB 100 Software Applications

Credit Units: 3.0 Course Hours: 45.0

You will study the fundamental concepts concerning programming and software applications. You will use computer programming languages to create and execute code. You will become versed in conditional and modular coding, as well as writing loops and using inputs and outputs. You will debug your program and compare coding languages.

CWEB 180 Web Site Development

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): CNET 191

You will learn how to use HyperText Markup Language (HTML) to develop Web pages for delivery over the World Wide Web. You will also learn how to plan and develop HTML documents to build a Web site based on W3 standards and enhance HTML documents using current techniques such as Cascading Style Sheets (CSS) site management using current software.

CWEB 180CE Web Site Development

Credit Units: 5.0 Course Hours: n/a

You will learn how to use HyperText Markup Language (HTML) to develop Web pages for delivery over the World Wide Web. You will also learn how to plan and develop HTML documents to build a Web site based on W3 standards and enhance HTML documents using current techniques such as Cascading Style Sheets (CSS) site management using current software.

CWEB 190 Internet Programming/Web Applications 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COSC 180, CWEB 180

Equivalent Course(s): COSC 287

You will receive instruction and practice in the development of client-side Web applications. You will use JavaScript to improve Web page design, validate forms, detect browsers, create cookies, and detect and respond to user actions.

CWEB 195 UX Fundamentals

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CWEB 190

Equivalent Course(s): COMP 190

You will study the concepts of user experience (UX). You will learn about user experience research techniques and how to present their findings. You will learn about user experience design techniques. You will plan and create a small website following user experience research and design strategies. You will evaluate the usability of websites.

CWEB 280 Internet Programming/Web Applications 2

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): CDBM 280*, COSC 190, CWEB 195

Equivalent Course(s): COSC 293

You will receive instruction and practice in the development of server-side Web applications. You will learn how to write scripts that allow remote users to interface with databases existing on a World Wide Web server. You will become familiar with server-side programming to display website content dynamically as required.

CWEB 600 Website Development

Credit Units: 3.0 Course Hours: 45.0

You will learn how to use Hypertext Markup Language (HTML) to develop Web pages for delivery over the World Wide Web. You will also learn how to plan and develop HTML documents to build a Web site based on W3 standards and enhance HTML documents using current techniques such as Cascading Style Sheets (CSS).

CWEB 601 Internet Programming and Web Apps 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CWEB 600*

You will receive instruction and practice in the development of client-side Web applications. You will use javascript to improve Web page design, validate forms, detect browsers, create cookies, and detect and respond to user actions.

CWEB 602 Internet Programming and Web Apps 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CWEB 601, CDBM 600*

You will receive instruction and practice in the development of server-side Web applications. You will learn how to write scripts that allow remote users to interface with databases existing on a World Wide Web server. You will become familiar with server-side programming to display website content dynamically as required.

CWEB 603 Software Development Fundamentals

Credit Units: 3.0 Course Hours: 45.0

You will study the concepts of User Experience (UX) which encompass a wide range of activities including User Interface (UI) design, Information Architecture (IA) and field research. You will learn about usability design and testing, tight integration and collaboration with software development processes which are elements of User Experience (UX). You will develop a better understanding of the role of User Experience/User Interface (UX/UI) as you follow an iterative and agile approach which focuses on User-Centered Design (UCD) as the motivator for product direction. You will learn how software is developed following an agile process methodology as well as how to manage program code using a version control system.

CWEX 100 Essential Skills Foundations

Credit Units: 2.0 Course Hours: 30.0

You will learn about the importance of Essential Skills for Canadian employers, and verify your current level of Essential Skills using both formal and informal assessments. You will also compare your Essential Skills to the requirements of Canadian employers and set personal goals for improvement. Your studies will include an introduction to key strategies for building Essential Skills.

CWEX 101 Applying Essential Skills

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CWEX 100

You will use a variety of learning resources and tools to practice and build the Essential Skills most important for your career. You will use the strategies you have learned to help conduct your job search and to improve your understanding of your preferred occupation.

CWEX 102 Tools and Techniques to Find a Job

Credit Units: 3.0 Course Hours: 45.0

You will develop the knowledge, skills and tools required to conduct a successful job search, including a customized resume, cover letter, online job application and employment portfolio. You will also practice professional interviewing techniques and review current human resource strategies for job seekers. You will recognize the impact of social media on your career and job search.

CWEX 103 Strategies for Workplace Success

Credit Units: 3.0 Course Hours: 45.0

You will review and practice a variety of employability skills valued by Canadian employers. You will improve your oral communication skills and demonstrate your ability to work as an effective team member. You will identify important service excellence behaviors and develop the knowledge, skills and attitudes needed to work well with people from indigenous and a variety of world cultures. You will also review Saskatchewan employment laws and practice sending effective business messages.

CWEX 30 Career and Work Exploration 30

Credit Units: 1.0 Course Hours: 100.0

Develops and enhances the knowledge, skills and abilities necessary to raise awareness, to access information, and to understand, shape and manage career development., including experiencing various work roles through work-based learning.

CWEX A30 Career & Work Exploration A30

Credit Units: 1.0 Course Hours: 100.0

Career and Work Exploration A30

CWEX B30 Career and Work Exploration B30

Credit Units: 1.0 Course Hours: 100.0

Career and Work Exploration B30

CYTO 180 Gynecologic Cytology Theory 1

Credit Units: 3.0 Course Hours: 50.0

Prerequisite(s): PATH 281, HSTC 184*

You will study the cytomorphology of the female genital tract in the absence of pathology. This includes the responses of the female genital tract to the endocrine system, as well as inflammatory reactions and microorganisms found in cytologic specimens.

CYTO 181 Gynecologic Cytology Lab 1

Credit Units: 4.0 Course Hours: 57.0

Prerequisite(s): PATH 281, CYTO 180*

Building on the theory learned in Gynecologic Cytology Theory 1 (CYTO 180), you will develop the skills needed to recognize normal states in gynecologic specimens. This includes cytohormonal patterns and inflammatory agents.

CYTO 182 Respiratory Cytology 1

Credit Units: 4.0 Course Hours: 56.0

Prerequisite(s): PATH 281, HSTC 184*

You will develop an understanding of the anatomy, histology and normal cytology of the lung. You will study the cytologic features associated with benign conditions, fungal diseases and viral infections in sputum, bronchial brush, bronchial wash, bronchial alveolar lavage and fine needle aspiration specimens. You will also develop detection skills in recognizing the elements studied.

CYTO 184 Aspiration Cytology 1

Credit Units: 5.0 Course Hours: 68.0

Prerequisite(s): PATH 281, HSTC 184

Your studies will focus on the embryology, anatomy, histology and cytology of the breast and thyroid gland. The pathology of each site will be related to histologic and cytologic features. You will study the principles of immunocytochemistry in relation to differential diagnoses. Your laboratory sessions will complement the theory and will focus on identifying pathologic states.

CYTO 280 Gynecologic Cytology Theory 2

Credit Units: 4.0 Course Hours: 53.0

Prerequisite(s): CYTO 180

Building on the theory learned in Gynecologic Cytology Theory 1 (CYTO 180) you will study the cytomorphology of the female genital tract in pathologic states. This includes both benign and malignant lesions, as well as reactions to therapy.

CYTO 281 Gynecologic Cytology Lab 2

Credit Units: 6.0 Course Hours: 83.0

Prerequisite(s): CYTO 181, CYTO 280*

Building on the theory learned in Gynecologic Cytology Theory 2 (CYTO 280), you will develop the skills needed to recognize pathologic states in gynecological cytology. The early detection of asymptomatic cancer will be emphasized.

CYTO 282 Respiratory Cytology 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CYTO 182

Building on the knowledge acquired in Respiratory Cytology 1 (CYTO 182) you will develop an understanding of the pathology of the lung. You will review the cytologic features of lung cancer in sputum, bronchial brush, bronchial wash and fine needle aspiration specimens. Your laboratory sessions will complement the theory and will focus on recognizing and differentiating malignant tumours of the lung. You will also develop detection skills in recognizing the elements studied.

CYTO 283 Aspiration Cytology 2

Credit Units: 4.0 Course Hours: 57.0

Prerequisite(s): PATH 281, HSTC 184

You will study embryology, anatomy, histology and cytology of the lymph nodes, salivary glands, head and neck lesions, and other less common organs and systems. The pathology of each site will be related to histologic and cytologic features. You will study the principles of immunocytochemistry in relation to differential diagnoses. Your laboratory sessions will complement the theory and will focus on identifying pathologic states.

CYTO 286 Body Fluid Analysis

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): PATH 281, HSTC 184

You will develop an understanding of the anatomy, histology and cytology of the urinary tract, body cavities and central nervous system. You will study cytologic features associated with various pathologic states in fluid and aspirated specimens. Your laboratory sessions will complement the theory and will focus on recognizing normal and pathologic states. You will also develop detection skills in recognizing the elements studied.

CYTO 287 Gastrointestinal Cytology

Credit Units: 4.0 Course Hours: 65.0

Prerequisite(s): PATH 281, HSTC 184

Your studies will focus on the anatomy, histology and cytology of the gastrointestinal tract and accessory organs. The pathology of each site will be related to histologic and cytologic features. You will learn principles of ancillary studies in relation to differential diagnoses. Your laboratory sessions will complement the theory and will focus on identifying malignant pathologic states.

Course Descriptions D

DEMC 100 Dementia Care

Credit Units: 4.0 Course Hours: 60.0

You will study the types, behaviors and assessment techniques for dementia. You will learn how to promote optimal levels of functioning throughout the disease progression and manage critical incidents. Issues related to institutional care placement and the impact dementia has on the family will be examined.

DENT 159 Preventive Dentistry and Nutrition

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the concepts of preventive dentistry and nutrition as they relate to general/oral health and disease. You will learn the relationship between dental biofilm and oral diseases. In addition, you will study the appropriate use of and indications for oral care aids, products, and professional methods designed to prevent and control oral disease. You will gain an understanding of the functions and dietary sources of major nutrients, the nutritional needs throughout the lifecycle, as well as nutrition-related oral health issues. Your studies will help you develop the knowledge, skill, and attitude to practice excellent personal oral health care.

DENT 160 Dental Materials

Credit Units: 3.0 Course Hours: 38.0

Through lecture and labs, you will study the properties and clinical use of dental materials. The course content includes the manipulation of treatment lining, restorative and luting materials.

DENT 161 Dental Technology 1

Credit Units: 3.0 Course Hours: 50.0

Prerequisite(s): DENT 166, DNTL 166, DNTL 167, DNTL 168, DNTL 169

You will study the physical properties of materials used for taking alginate impressions and for fabricating diagnostic casts with dental stone. You will learn to take upper and lower alginate impressions with a bite record, and fabricate and finish diagnostic casts. You will critique your work by evaluating against the criteria for satisfactory alginate impressions and diagnostic study casts.

DENT 163 Preventive Dentistry 1

Credit Units: 2.0 Course Hours: 35.0

You will be introduced to the concepts of preventive dentistry. You will learn the relationship between dental biofilm and oral disease. You will study the appropriate use of and indications for oral care aids and products designed to prevent and control oral disease, including fluoride. Your studies will help you develop the knowledge, skill, and attitude to practice excellent personal oral health.

DENT 164 Preventive Dentistry 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ANAT 163

Equivalent Course(s): DENT 159

Your studies will provide an introduction to the philosophy of preventive dentistry. You will study the relationship between diet and oral health. You will learn the relationship between dental biofilm and oral disease. You will study oral care aids and products designed to prevent and control oral disease, including fluoride. You will acquire the knowledge, skills and attitude required to practice oral disease control.

DENT 165 Dental Technology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DHYG 201

Equivalent Course(s): DENT 161, DENT 180

You will study physical and mechanical properties of dental materials used to take alginate impressions. You will also make study models of teeth and fabricate mouth protectors and whitening trays. You will practice manipulating the materials and operating equipment commonly used in dental offices and laboratories. You will critique your work by evaluating against the criteria for satisfactory laboratory generated items.

DENT 166 Oral Embryology, Histology and Anatomy

Credit Units: 3.0 Course Hours: 45.0

You will learn, through lectures and laboratory/clinical experiences, basic anatomy of permanent and deciduous teeth, sequences of eruption, the basic structures of the oral cavity and the supporting dental structures. You will study prenatal and postnatal development and factors that affect normal and abnormal development of the face, palate, teeth and related structures of the oral cavity.

DENT 180 Dental Technology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 110, PRAC 115, CLIN 111*, PRAC 274*, PRAC 275*

You will study the physical properties of materials used for taking preliminary impressions and for fabricating diagnostic casts with dental stone. You will learn to take upper and lower preliminary impressions with a bite registration to fabricate and finish stone models. In addition, you will produce a mouthguard and whitening tray using a stone model.

DENT 200 Dental Specialties 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENGL 102

Corequisite(s): DHYG 200

You will work with different ages and special needs groups related to oral care. You will be introduced to pediatric dental hygiene care. You will present a preventive oral health learning activity at a community childcare facility. You will learn about behaviour management techniques. Your studies will examine aging and disabilities in relation to dental hygiene care.

DENT 261 Dental Technology 2

Credit Units: 1.0 Course Hours: 20.0

Prerequisite(s): DENT 166

You will study the physical properties, materials and techniques used to fabricate matrices for provisional crown fabrication, custom provisional crowns, custom mouthguards and whitening trays. In the laboratory setting, you will produce a matrix, mouthguard, and whitening tray, as well as fabricate, cement and remove custom provisional crowns on a manikin.

DENT 262 Preventive Dentistry 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DENT 164

You will acquire the knowledge and skills required to assess, plan, implement and evaluate self-care programs for clients. You will learn how to use effective tobacco cessation strategies. You will learn how to incorporate educational theories to enable others to practice effective self-care. You will also learn how to plan table clinics for various age and interest groups.

DENT 263 Periodontology 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ANAT 163, ANAT 164, MICR 261

Corequisite(s): DHYG 256

Your studies will focus on the structure and function of the periodontium, host response in periodontal disease and etiology and characteristics of the most common forms of periodontal disease. Your studies will focus on the links between periodontal disease and systemic health and concepts related to periodontal therapy. You will acquire this information through a combination of classroom instruction and problem-based learning activities.

DENT 267 Periodontology 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DENT 263, DHYG 201

Corequisite(s): DHYG 276

Your studies will focus on planning periodontal therapy for rare and complex forms of periodontal disease and periodontal occlusal trauma. You will plan the use of the most common chemotherapeutics used in periodontal therapy. You will study various periodontal surgical techniques and the post operative care for clients who have had periodontal surgery. You will acquire this information through a combination of classroom instruction, problem-based learning activities and laboratory practice.

DENT 269 Dental Specialties 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): DHYG 276, DENT 200

Corequisite(s): DHYG 277

You will discuss dental specialties including oral surgery, operative, fixed and removable prosthodontics, endodontics and orthodontics. You will also learn about dental hygiene care for geriatric clients and clients with dental implants and esthetic dentistry.

DENT 282 Dental Specialties

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DENT 166, DNTL 167, DNTL 168, DNTL 169, DNTL 172, DNTL 173

You will be introduced to prosthodontic, endodontic, oral and maxillofacial surgery, orthodontic and periodontic procedures performed within a general dental practice. You will also discuss dental care for pediatric and geriatric clients. You will also learn the important role a dental assistant plays in community oral health practice. Your studies will focus on the specialized equipment, materials and procedures as it relates to your role as the dental assistant.

DEVP 600 Business Innovation with Development Operations (DevOps)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CCMP 602

You will discuss how to plan and provide continuous deployment of services and value to users. You will discuss cloud development operations (DevOps) services and strategies to automate processes. You will analyze DevOps cloud practices, strategies, models, and implementation processes.

DGTL 100 Digital Graphics Still Imaging

Credit Units: 3.0 Course Hours: 42.0

Your studies will focus on digital production techniques and processes for creating graphics and still images. The course content includes capture, creation, manipulation, compositing and digital delivery. The material you create may be integrated into a project or digital portfolio.

DGTL 101 Audio

Credit Units: 3.0 Course Hours: 45.0

You will learn introductory techniques and processes for audio production. Your studies will include audio capture, editing, and compositing. You will explore sound design and create sound that can be integrated into a project or digital portfolio.

DGTL 103 Digital Portfolio Development

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MULT 124, MULT 125, DSGN 103

You will learn what is required to create an interesting and effective digital portfolio.

DGTL 104 Digital Presentations

Credit Units: 1.0 Course Hours: 12.0

Equivalent Course(s): COMM 109

You will learn how to develop and deliver digital presentations.

DGTL 105 Video 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PHOT 126

You will learn introductory production techniques and processes for basic video production and animation. Your studies will include the theory behind current industry techniques, the core principles of motion video, and how to capture and edit your own work. You will also learn to incorporate basic motion graphics and prepare your content for dissemination on several prominent platforms.

DGTL 106 Digital 1

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): DGTL 107

You will be introduced to the basic principles of digital systems. You will use Boolean algebra to describe electronic logic circuits. You will design basic circuits including combinational logic, flip flops, counters, registers, multiplexers, demultiplexers, encoders and decoders.

DGTL 107 Digital 1 Lab

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): DGTL 106

You will apply digital principles in a lab setting. You will construct circuits on a breadboard and use a multimeter and logic probe to analyze and troubleshoot them. Your studies will include using computer software to design and simulate circuits.

DGTL 108 Digital 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DGTL 106, DRFT 189, SHOP 110

Corequisite(s): DGTL 109

You will study microcontroller architecture and basic operation. You will develop and analyze assembly language programs. You will test and debug software using an integrated development environment. You will study analog to digital and digital to analog conversions.

DGTL 109 Digital 2 Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DGTL 107, DRFT 189, SHOP 110

Corequisite(s): DGTL 108

You will study microcontroller hardware and peripheral components. You will learn how to interface basic input and output devices with a microcontroller. You will wire-wrap and use a microcontroller system in a hands-on environment.

DGTL 110 Digital Logic

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENGE 120, LABS 120, DGTL 111*

You will examine numbering systems; particularly, binary, hexadecimal and binary coded decimal. You will study logic gates, flip flops, counter, registers, and decoders of various logic families.

DGTL 111 Digital Logic Laboratory

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENGE 120, LABS 120, DGTL 110*

You will study logic gates, flip flops, counter, registers and decoders of various logic families as well as design hardware and software required for various programmable devices.

DGTL 112 Social Media

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 109, GRPH 118, DGTL 105*

Equivalent Course(s): CRWT 100

You will learn the basics of creating and curating content for popular social media platforms. Your studies will include techniques for creating, monitoring, and evaluating social media content.

DGTL 200 Audio Post Production and Effects

Credit Units: 3.0 Course Hours: 48.0

Sound is a critical element in a new media production. Computer-based tools have greatly increased the capabilities of the new media developer. You will learn how to create original music (using midi, loops and effects) and use a variety of filters and effects. You will demonstrate your skills by creating a multi-track audio project.

DGTL 201 Media Codecs and Formats

Credit Units: 2.0 Course Hours: 30.0

You will develop the skills needed to produce quality compressed audio and video files. You will study compression fundamentals, the factors affecting compression and appropriate compression format selection. You will demonstrate your skills through practical projects.

DGTL 203 Microcontrollers

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COMP 111

You will learn how to select a microcontroller for a particular application. You will write initialization and driver functions for a microcontroller system using the 'C' programming language. You will study serial ports, interrupts, displays and timers. You will work with a microcontroller system in a hands-on environment and use simulation software to develop programs to interface a microcontroller with its peripherals.

DGTL 204 Advanced Digital

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DGTL 203

You will learn how to write firmware drivers in 'C' for microcontroller peripherals, such as electrically erasable programmable read only memory (EEPROM), capture, compare and pulse width modulation (PWM), capacitive touch sensing and zero crossing detectors (ZCD). You will learn how to write Verilog code to configure a field programmable gate array (FPGA) and simulate your designs. You will learn how to design a digital system using a Finite State Machine approach. You will work with microcontroller and FPGA systems in a hands-on environment and use simulation software to test and verify designs.

DGTL 205 Digital Signal Processing

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DGTL 203

You will study concepts and applications involving digital signal processing (DSP) and you will gain an understanding of representing signals in the discrete domain. Your studies will introduce you to digital oscillators and digital filters. You will write and test programs using a DSP development system.

DGTL 206 Video 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DGTL 105

Equivalent Course(s): MULT 122

You will develop video skills for intermediate use in the interactive design space. You will learn about post processing techniques and create motion graphics. You will be exposed to developing video technologies, composite work, and prepare it for the web and live streaming services.

DGTL 221 Digital Logic Circuits

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENGE 120, LABS 120

Corequisite(s): ELTR 221

You will be introduced to number systems and American Standard Code for Information Interchange (ASCII) and Binary Coded Decimal (BCD) codes. You will analyze the characteristics of gates and truth tables. You will design counters, registers, and sequential circuits.

DHYG 101 Introduction to the Dental Hygiene Profession

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): ENGL 102, PSYC 103, SOCI 171

You will learn the history and evolution of the dental hygiene profession, the characteristics of a profession, and provincial and national dental hygiene associations. You will learn how the dental hygienist functions within the oral health care team, in the workplace, and in society. The principles of communication, employability skills, and character traits of healthcare professionals, as well as dental record documentation will be explored.

DHYG 157 Dental Hygiene Fundamentals 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ANAT 163

Corequisite(s): DHYG 161, DHYG 164, DHYG 257

You will be introduced to the principles of body ergonomics. You will describe the function of dental hygiene instruments and be able to recognize their design features. You will demonstrate a modified pen grasp, neutral wrist and fulcrum placement. You will demonstrate techniques for the use of the dental mirror, and periodontal probe.

DHYG 161 Health and Safety in the Dental Environment

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MICR 261

Corequisite(s): DHYG 157, DHYG 164, DHYG 257

You will demonstrate the principles of infection prevention and control and routine practice in the dental environment. You will discuss medical emergencies in a dental office as well as participate in the lab on medical emergency equipment and supplies.

DHYG 164 Assessment 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ANAT 163

Corequisite(s): ANAT 166, DHYG 157, DHYG 161

You will demonstrate how to measure vital signs. You will study the types of soft tissue lesions that are found in the head and neck area as well as inside the mouth and throat. You will demonstrate an extra oral cancer screening assessment of the head and neck, an intra oral cancer screening assessment of the soft tissues of the mouth and throat, a temporomandibular joint assessment and an orthodontic assessment. You will demonstrate techniques for the use of the explorer.

DHYG 165 Preventive Techniques

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DHYG 157, DHYG 161, DHYG 257

Corequisite(s): DHYG 256

Equivalent Course(s): DNTL 262

You will learn the use and maintenance of dental handpieces, extrinsic stain removal techniques, and the application of topical fluoride and pit and fissure sealants.

DHYG 200 Introduction to Clinical Dental Hygiene

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ANAT 164, ANAT 166, DHYG 157, DHYG 161, DHYG 164, DHYG 257, RDGR 267, DENT 262

Corequisite(s): DENT 200, DENT 263, DHYG 165, DHYG 256, HLTH 262, PATH 268, RDGR 268

You will define the principles and responsibilities involved in ethical dental hygiene care. In the Saskatchewan Polytechnic dental clinic, you will observe infection prevention and control protocols while assisting with the provision of educational and preventive clinical therapy. You will recognize the importance of professional appearance and conduct. You will use your learning journals to reflect on clinical experiences. You will have the opportunity to visit a dental office to observe a practicing dental hygienist.

DHYG 201 Clinical Dental Hygiene 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): DHYG 200

Corequisite(s): DHYG 258, DHYG 259

You will begin performing basic, educational and preventive clinical therapy skills in the Saskatchewan Polytechnic Dental Hygiene Clinic, including documentation in client records. You will review general and oral health assessment findings and follow the care plan and appointment schedule to practice educational and preventive clinical therapy. You will also identify the outcomes of clinical therapy. You will follow infection prevention and control protocols and practice using protocols for professional appearance and conduct required for a clinical setting.

DHYG 256 Assessment 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DHYG 157, DHYG 161

Equivalent Course(s): DHYG 163

You will describe clinical features of healthy and diseased gingival tissues and other variations of periodontal conditions. You will record clinical features of gingival tissues and periodontal conditions. You will also examine the dentition, detect dental caries, and assess caries risk. You will record dental conditions.

DHYG 257 Dental Hygiene Fundamentals 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ANAT 163

Corequisite(s): DHYG 157, DHYG 161, DHYG 164

Instrumentation terminology and the rationale for periodontal debridement will be discussed. You will demonstrate techniques for the use of sickle scalers, the universal curet and ultrasonic scaling devices. You will also learn how to maintain the sharpness of hand instruments.

DHYG 258 Care Planning for Clinical Dental Hygiene

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): DENT 263

Corequisite(s): DHYG 201

You will develop an understanding of the dental hygiene process of care as it relates to clinical therapy. You will also be introduced to the skill of determining a dental hygiene diagnosis based on client assessment findings. Through lectures, labs and group work activities, you will practice developing and presenting dental hygiene care plans. You will also learn how to incorporate evaluation of dental hygiene clinical therapy into a care plan and how to use the outcomes to plan continuing care for clients.

DHYG 259 Dental Hygiene Fundamentals 3

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DHYG 157, DHYG 257

Corequisite(s): DHYG 201

You will demonstrate the technique, use of and maintenance of area-specific curets. You will plan care for clients with sensitive teeth. Through labs, you perform overhang removal and place temporary restorations. You will further develop instrumentation techniques to accomplish advanced periodontal debridement and organize dental hygiene appointments for clinical therapy.

DHYG 269 Dental Hygiene Practice

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): DHYG 279

Corequisite(s): DHYG 281

You will study ethics and apply the Canadian Dental Hygienists' Association's Code of Ethics to various case studies. You will learn about jurisprudence, focusing on the laws governing the practice of dental hygiene, the Dental Discipline's Act of Saskatchewan and the Saskatchewan Dental Hygienists' Association's By-Laws. You will also learn about the Canadian Dental Hygienists' Association's national competencies and various practice options for dental hygienists.

DHYG 275 Dental Hygiene Re-entry

Credit Units: 5.0 Course Hours: 75.0

This course is offered to graduates of CDAC-accredited programs who have been in practice, but allowed their license to lapse or have no current practice experience. Through both didactic and practical activities, participants will be provided an opportunity to update their knowledge and refresh their clinical skills. Graduates will be eligible to register and license as a dental assistant and may perform intraoral procedures as specified by Saskatchewan legislation.

DHYG 276 Clinical Dental Hygiene 2

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): DHYG 201

Corequisite(s): DHYG 279

You will gain knowledge and experience in providing clinical therapy to clients in the Saskatchewan Polytechnic Dental Hygiene Clinic. You will use assessment findings to identify oral health problems and complete the dental hygiene care plan and appointment schedule. Using health and safety protocols, you will demonstrate educational, preventive and therapeutic clinical therapy skills to determine the outcomes of clinical therapy. You will use Saskatchewan Polytechnic processes and protocols to keep dental records. You will practice time management strategies and demonstrate adhering to professional appearance, conduct and communication protocols.

DHYG 277 Clinical Dental Hygiene 3

Credit Units: 15.0 Course Hours: 225.0

Prerequisite(s): DHYG 276

Corequisite(s): DHYG 281

You will continue to provide care for clients in the Saskatchewan Polytechnic Dental Hygiene Clinic. You will collect assessment findings to interpret a dental hygiene diagnosis and examine the care plan and appointment schedule. Applying health and safety protocols, you will perform clinical therapy skills with moderate to advanced oral health problems. You will learn how to interpret the outcomes of clinical therapy and select continuing care needs for clients. You will relate time and resources to enhance the quality of services provided and apply protocols for professional conduct, communication and critical thinking skills.

DHYG 278 Clinical Dental Hygiene 4

Credit Units: 12.0 Course Hours: 180.0

Prerequisite(s): DHYG 277

Corequisite(s): DHYG 282

You will progress towards the competency required for an entry-level dental hygienist who can manage quality assurance standards and protocols to ensure a safe and effective working environment. You will assess the general and oral health status of clients to manage clients with health risks. You will formulate a dental hygiene diagnosis, compose a care plan and appointment schedule based on a client-centered approach and the best available resources. You will apply clinical therapy and select continuing care needs based on the evaluation of the client care provided. You will evaluate your professionalism, communication, management, judgment and collaboration with caregivers or other health professional to make the transition from student to graduate dental hygienist.

DHYG 279 Clinical Integration 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): DHYG 201

Corequisite(s): DHYG 276

You will prepare for dental hygiene clinical practice as well as further develop radiology skills. You will learn how to use dental office software and how to manage a client pool. Through case studies you will apply the principles involved in ethical dental hygiene care and further reflect on applying clinical therapy.

DHYG 281 Clinical Integration 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): DHYG 279

Corequisite(s): DHYG 277

You will create personal plans for continuing competence and professional development. Through seminars and labs, you will review and practice your clinical therapy skills. You will apply evidence-based decision making to oral self-care and client case studies by developing a plan to manage periodontal therapy. You will learn about jurisprudence, focusing on the laws governing the practice of dental hygiene, the Dental Disciplines Act of Saskatchewan and the Saskatchewan Dental Hygienists' Association's By-Laws and various practice options for dental hygienists.

DHYG 282 Clinical Integration 3

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): DHYG 281

Corequisite(s): DHYG 278

You will prepare for the transition from graduate student to professional dental hygienist and have the opportunity to visit a dental office and be mentored by a practicing, licensed dental hygienist. You will also mentor other dental hygiene students. You will also reflect upon the Canadian Dental Hygienists' Association's national competencies. You will apply evidence-based decision making to client case studies through case presentations. You will further analyze the dental hygiene ethical framework through case studies and debates.

DHYG 283 Clinical Integration 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): DHYG 279

Corequisite(s): DHYG 276

You will be introduced to pediatric dental hygiene care. You will present a preventive oral health learning activity at a community child care facility. You will learn about behaviour management techniques. In a lab setting, you will further develop your instrumentation skills. You will reflect on your application of preventive and therapeutic clinical therapy skills.

DNTL 160 Clinical Dental Assisting 1

Credit Units: 2.0 Course Hours: 24.0

Prerequisite(s): BUS 160, DENT 160, DENT 163, DENT 166, DNTL 162, DNTL 166, DNTL 167, DNTL 168, DNTL 169, RDGR 160, SEM 160, DNTL 170

You will integrate the skills and knowledge learned in preclinical courses to prepare you to assist with clinical dentistry in the Dental Assisting Clinic. You will learn how to implement infection prevention and control procedures and communicate with clients and colleagues. You will learn to follow protocols on deportment, managing medical emergencies and providing dental office reception duties.

DNTL 162 Treatment Liners

Credit Units: 2.0 Course Hours: 24.0

Equivalent Course(s): DENT 1604

You will learn to place liners, bases and bonding systems in basic cavity preparations without pulpal exposures. You will apply treatment liners on a manikin in the laboratory setting.

DNTL 166 Dental Care Delivery

Credit Units: 2.0 Course Hours: 30.0

You will learn to assist with a dental examination. Working on manikins and peers in the Dental Assisting Clinic will prepare you to practice ergonomically within the dental operatory, use four-handed dentistry and develop instrumentation skills. You will take and record vital sign measurements.

DNTL 167 Infection Prevention & Control

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on infection prevention and control in the dental office. You will learn to implement policies and procedures necessary to protect yourself, clients and co-workers and to prevent transmission of disease in the dental office.

DNTL 168 Moisture Control

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to a variety of moisture control methods used in dentistry. Working on manikins and peers in the Dental Assisting Clinic, you will apply and remove a dental dam and apply other isolation techniques required for dental procedures. You will learn how to maintain a clear operating field for dental procedures.

DNTL 169 Permanent Restorative Procedures

Credit Units: 4.0 Course Hours: 60.0

Through lectures and practice in a simulated environment, you will develop skills to prepare the operatory and assist with permanent restorative procedures. You will apply topical anesthetic and assist with the administration of local anesthetic. You will also learn to use the Tofflemire TM Matrix system.

DNTL 170 Dental Records

Credit Units: 1.0 Course Hours: 15.0

You will learn the importance of consent, privacy and confidentiality in relation to dental records. You will learn how to use oral health information in a dental record as well as in a computerized system. The dental assisting process of care will be introduced to provide a framework for providing quality care for clients.

DNTL 171 Dental Restorative Materials

Credit Units: 4.0 Course Hours: 60.0

You will study the properties and clinical use of dental materials. The course content includes the manipulation of treatment lining, restorative and luting materials. You will learn to place liners, bases and bonding systems in basic cavity preparations without pulpal exposures. You will apply treatment liners on a manikin in the laboratory setting.

DNTL 172 Clinical Foundations

Credit Units: 3.0 Course Hours: 45.0

You will be working on manikins and peers in the Saskatchewan Polytechnic Dental Assisting Clinic to prepare you to practice ergonomically, use four-handed dentistry, develop instrumentation skills, measure and record vital signs and assist with an examination appointment. In preparation for client care procedures, you will also apply professional deportment and practice clinic support procedures.

DNTL 173 Fundamentals of Dental Assisting

Credit Units: 3.0 Course Hours: 45.0

You will learn the functions of a dental assistant within the dental health team, the workplace and society. You will be introduced to the skills required to be successful in the dental assisting program and profession. In addition, you will learn the importance of consent, privacy and confidentiality in relation to dental records. Using a computerized office system, you will learn how to manage dental records, claims and accounts and schedule appointments. The dental assisting process of care will be introduced to provide a framework for providing quality care for clients.

DNTL 174 Dental Communication and Practice Management

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DNTL 173

You will study the principles of communication as it relates to the dental assisting profession with a focus on creating a professional and positive environment in a dental office and community settings. You will examine the impact of the social determinants of health on access to care and advocating for equity. This course will provide you the opportunity to study Indigenous and intercultural diversity and the impact of culture on communication. You will study aspects of management of dental office information, inventory and storage of supplies, and accounts payable. You will develop skills related to internal and external communication through the study of professionalism, telephone conversations, dental office correspondence, marketing a dental office, the use of presentation skills, and the preparation of employment documentation.

DNTL 175 Provisional Prosthodontic Procedures

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CLIN 110, DENT 282, DNTL 174, DNTL 262, PATH 262, PRAC 115, RDGR 162

Equivalent Course(s): DENT 261

You will fabricate crown matrices and produce, cement and remove custom provisional crowns on dental manikins.

DNTL 260 Clinical Dental Assisting 2

Credit Units: 7.0 Course Hours: 112.0

Prerequisite(s): DNTL 160*

You will continue to develop clinical dental assisting skills in the Dental Assisting Clinic and will progress towards the competence required of an entry level dental assistant. You will also further develop dental office reception skills.

DNTL 261 Preventive Dentistry

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DENT 159, DNTL 262*, APHY 160, DENT 166, DENT 167, DNTL 168, DNTL 172, DNTL 173, RDGR 161

You will acquire the knowledge and skills required to assess, plan, implement and evaluate personal oral self care plans for clients in a clinical setting. You will develop a dental assisting care plan specific to client needs with emphasis on oral self care and nutritional recommendations. You will use oral health promotion strategies to meet the needs of a community group.

DNTL 262 Client Care Procedures

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 160, DENT 159, DENT 166, DNTL 167, DNTL 168, DNTL 169, DNTL 171, DNTL 172, DNTL 173

You will develop skills to perform clinical dental assisting procedures. You will learn to apply products that remove stain, prevent dental decay, whiten teeth and decrease tooth sensitivity.

DOOR 120 Door Servicing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SFTY 126*, ELEC 120*

You will learn how to remove and replace interior trim panels and remove, service and replace window regulators, door locks and associated hardware. You will also learn how to service, remove and replace movable and stationary door glass. The course content includes repairing and replacing door hinges, aligning doors and sealing doors against wind, water and dust leaks.

DRAW 100 Technical Drawing

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): DRFT 191

You will study how to use drawing instruments and Computer-Aided Design (CAD) systems and apply drafting standards to produce drawings and sketches for parts production.

DRAW 101 Blueprint Reading

Credit Units: 3.0 Course Hours: 45.0

You will study drafting fundamentals and practice line drawing techniques, applying them to orthographic and isometric projections. You will apply industry symbols and language as it applies to blueprints and specifications. You will produce and interpret basic shop drawings and piping sketches as used at a typical work site.

DRFT 102 Drafting and Blueprint Reading

Credit Units: 2.0 Course Hours: 30.0

You will acquire sufficient drafting and blueprint reading skills to produce acceptable shop drawings.

DRFT 103 Basic Mechanical Drafting

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): GRPH 181

You will learn the basic fundamentals used in the interpreting and sketching of technical drawings.

DRFT 104 Sketching

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): DRFT 124

You will receive an introduction to the techniques and standards required to communicate graphically. The course content includes sketching of orthographic and isometric views, geometric constructions, sectional views, lettering, dimensioning and scaling as part of the drafting component.

DRFT 105 Computer Aided Drafting (CAD)

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): DRFT 107

You will receive an introduction to the techniques and standards required to communicate graphically. The course content includes a Computer Aided Drafting (CAD) user interface, view control, 2D geometric construction and drawing aids, layers, blocks, text, paper space, model space and plotting.

DRFT 106 Drafting Applications 1

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): CADD 120

Equivalent Course(s): DRFT 121

You will be introduced to orthographic and isometric drafting. You will develop skills in sketching, geometric construction, orthographic projections, dimensioning, views, and descriptive geometry through the production of drawings. You will use software such as Autodesk AutoCAD to an essential skill level.

DRFT 107 Computer Aided Drafting (CAD)

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): DRFT 105

You will be introduced to techniques and standards required to communicate graphically. You will develop skills in a Computer Aided Drafting (CAD) user interface, view control, 2D geometric construction and drawing aids, layers, blocks, text, paper space, model space and plotting.

DRFT 108 Construction Drawings and Field Sketching

Credit Units: 1.0 Course Hours: 15.0

This course will provide the skills required to read, understand and make calculations based on construction drawings. Provide skills to create professional sketches and notes of a geomatics member.

DRFT 109 Architectural Drafting: Fundamental Techniques

Credit Units: 3.0 Course Hours: 45.0

You will study the fundamentals of architectural drafting using manual techniques. You will be introduced to architectural drafting conventions while creating multi-view and single-view drawings.

DRFT 110 Architectural Drafting: Computer-Aided Techniques 1

Credit Units: 2.0 Course Hours: 30.0

You will acquire fundamental skills required to operate AutoCAD. The course focuses on architectural applications of the software.

DRFT 111 Architectural Drafting: Computer-Aided Techniques 2

Credit Units: 2.0 Course Hours: 30.0

You will acquire fundamental skills required to operate Autodesk Revit. You will create a partial set of working drawings for a single-family residence using fundamental procedures in Revit. This course serves as an introduction to Building Information Modelling (BIM) techniques.

DRFT 112 Drawing Standards

Credit Units: 3.0 Course Hours: 45.0

You will learn the fundamentals of drawing management including drawing types, symbols, red filing, updating and working copies.

DRFT 113 Drafting and Blueprint Reading

Credit Units: 2.0 Course Hours: 30.0

You will develop basic working drawings of small part assemblies by taking measurements, documenting relevant information, and developing sketches. You will construct parts and assemblies from your completed working drawings.

DRFT 114 Drafting Principles

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CAD 101*, MECH 100*

Equivalent Course(s): DRFT 174

You will study the basic theory and skills needed to generate graphic representation of an idea, concept, or entity. You will produce drawings according to a mechanical drafting standard, utilizing proper and effective views (e.g. orthographic, isometric, auxiliary, and/or sectional) and dimensioning, including specialty notations (e.g. fit tolerances, fastener and thread descriptions).

DRFT 174 Drafting Principles

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CAD 106*

Equivalent Course(s): DRFT 106, DRFT 181

You will learn the basic theory and skills needed to generate graphic representation of an idea, concept or entity. You will use engineering lettering and geometric construction to prepare engineering graphs with computer software. You will develop orthographic drawings, dimensioning, pictorial, auxiliary views and sectional views.

DRFT 175 Mechanical Drafting

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): CAD 181, DRFT 174

Equivalent Course(s): DRFT 182, DRFT 205

The course builds on the skills you developed in DRFT 174 (Drafting Principles). You will acquire theory and facility in 2-D drawings of threaded fasteners, welding symbols and geometric dimensioning and tolerancing. You will complete detail drawings and assembly drawings that combine the majority of the basic concepts into one project. Some structural drawings will allow you to focus on more practical problems.

DRFT 176 Piping Analysis and Modelling

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): FMEC 101, CAD 101, DRFT 114

Equivalent Course(s): DRFT 182

You will produce a proposal for an industrial piping system. You will analyze the system using pipe analysis tools and then design the system using a 3D piping software program. You will use the program to produce piping and instrumentation drawings, orthographic piping drawings and isometric piping drawings. This course provides a capstone to the thermal-fluid class stream.

DRFT 177 Mechanical Drafting

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CAD 106, DRFT 174

You will apply theoretical concepts from mechanics of materials to mechanical models. Drafting principles will be applied to applications such as mold and sheet metal design, stress and strain analysis and thermodynamic analysis to predict the performance of mechanical systems.

DRFT 183 Drafting and Blueprint Reading

Credit Units: 4.0 Course Hours: 60.0

You will acquire sufficient drafting and blueprint reading skills to produce acceptable shop drawings. You will be able to read all shop drawings for fabricating and maintaining industrial equipment. You will practice fabrication to complete the Arbor Press Project. Wherever possible, drafting courses will be modified to meet the specific requirements of the trade.

DRFT 189 Electronic Drafting

Credit Units: 2.0 Course Hours: 30.0

You will use electronic simulation and mechanical CAD software to prepare documentation of electronic circuits and systems.

DRFT 205 Drafting Applications 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DRFT 106

Corequisite(s): CADD 211

You will study 2D drafting and 3D modeling. You will sketch and measure using precision measuring instruments. You will generate 3D models and 2D drawings of mechanical parts. You will create drawings with reference to best practices and technical standards. You will use software such as Autodesk AutoCAD to an essential skill level.

DRFT 208 Civil Drafting 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CADD 124

Your studies will focus on the surveying components and tool space used in modern civil design CAD software. The course covers road plans, civil engineering drawings, survey data adjustment and the use of automated line work techniques.

DRFT 210 Architectural Drafting: Computer-Aided Techniques 3

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): DRFT 224

You will expand your skills using Revit for architectural application. You will use the software to create architectural drawings commonly found in commercial sets. This course allows you to practice your Building Information Modelling (BIM) skills.

DRFT 220 Architectural Drafting: Residential Working Drawings 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNST 122, DRFT 110

You will learn to produce architectural drawings for single-storey residential construction projects. Using AutoCAD, you will create construction drawings based on the typical requirements for residential permit sets.

DRFT 224 Architectural Drafting: Residential Working Drawings 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNST 221, CODE 101, DRFT 220, DRFT 111

You will produce residential working drawings using Autodesk Revit, based on preliminary design data, manufacturers' literature and the National Building Code of Canada (NBC). Your focus will be on a custom-designed, two-storey house.

DRFT 233 Architectural Drafting: Commercial Working Drawings for Building Sciences

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CNST 232, CODE 201

You will produce a partial set of working drawings for a commercial building using Autodesk Revit. Your drawings will be based on preliminary design data, manufacturers' literature and the National Building Code of Canada (NBC).

DRFT 234 Architectural Drafting: Commercial Working Drawings for Interiors

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CODE 201, DSGN 234

Corequisite(s): DSGN 235

You will produce a partial set of working drawings for a commercial building using Autodesk Revit. Your drawings will be based on preliminary design, design data, manufacturers' literature and the National Building Code of Canada (NBC).

DRFT 290 Basic Drafting

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): DRFT 174, DRFT 181, GRPH 190

You will apply the basic theory and skills needed to generate graphic representation of an idea, concept or entity. You will apply descriptive geometry and its applications to develop orthographic drawings, dimensioning and pictorial drafting. You will construct auxiliary views and sectional views.

DRFT 291 Advanced Drafting

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): DRFT 290, DRFT 391

Your Semester 1 introductory drafting skills will serve as a foundation for this course. You will learn how to prepare a complete set of working drawings on the CAD system. You will become familiar with standard drafting practices and symbols used in a number of different engineering fields.

DRFT 390 CAD Drafting 1

Credit Units: 2.0 Course Hours: 30.0

You will study the basic concepts of computer assisted drafting. You will learn how to use the AutoCAD user interface as it pertains to two dimensional CAD drawings. The course content includes drawing set-up, coordinate systems, drawing tools, editing commands, display options, layers, colors, line types, text, basic dimensioning and plot commands.

DRFT 390CE CAD Drafting 1

Credit Units: 2.0 Course Hours: n/a

You will study the basic concepts of computer assisted drafting. You will learn how to use the AutoCAD user interface as it pertains to two dimensional CAD drawings. The course content includes drawing set-up, coordinate systems, drawing tools, editing commands, display options, layers, colors, line types, text, basic dimensioning and plot commands.

DRFT 391 CAD Drafting 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): DRFT 390

Equivalent Course(s): CAD 181

You will study advanced concepts of computer assisted drafting. The course content includes blocks, XREF's, plotting, dimensioning, advanced editing and drawing techniques and an introduction to 3D drafting.

DRFT 391CE CAD Drafting 2

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): DRFT 390

You will study advanced concepts of computer assisted drafting. The course content includes blocks, XREF's, plotting, dimensioning, advanced editing and drawing techniques and an introduction to 3D drafting.

DRFT 392 CAD Drafting 3

Credit Units: 1.0 Course Hours: 15.0

You will study 3D drafting in AutoCAD. The course content includes solid features, solid editing and User Co-ordinate System. You will also study the generation of assemblies, sections and layouts for plotting.

DRTR 103 Bearings, Seals, Clutches and Transmissions

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): DRTR 170

You will learn how to remove, inspect and install various seals and bearings. You will also learn how to diagnose and repair clutches. The course content includes the operation, diagnosis and repair of manual transmissions.

DRTR 104 Differentials and Final Drives

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DRTR 103*

Equivalent Course(s): DRTR 171

You will learn how to diagnose and repair drive lines and differentials. You will also study and repair planetary final drive and steerable drive axle systems.

DRTR 105 Tracks and Undercarriage

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): DRTR 172

You will study final drives, standard and planetary gear reductions and undercarriage in crawler tractors and wheeled machines. You will also learn basic rigging and hoisting principles.

DRTR 106 Drivetrain Introduction Theory

Credit Units: 2.0 Course Hours: 30.0

You will learn procedures to properly determine serviceability of various seals and bearings. Proper removal and installation techniques for bearings and seals will also be discussed. Clutch types, operation, adjustment and removal procedures will be discussed. You will study single countershaft transmission diagnosis and overhaul procedures.

DRTR 107 Drivetrain Introduction Shop

Credit Units: 2.0 Course Hours: 30.0

You will remove, inspect and replace seals and bearings. Clutches of various types will be removed, evaluated and reinstalled. Adjustment procedures for various clutches will be performed. Manual transmission and differentials will be overhauled.

DRTR 108 Drivetrain Intermediate Theory

Credit Units: 2.0 Course Hours: 30.0

You will study various types of gear sets, ratios, as well as procedures for correction gear contact patterns, preloading and adjusting bearings in differential assemblies. Inspection and set up procedures for planetary final drive systems will be covered. Procedures for determining the serviceability of universal joints and drive line angles will be covered.

DRTR 109 Drivetrain Intermediate Shop

Credit Units: 2.0 Course Hours: 30.0

You will service and overhaul differentials. Various types of planetary drive systems will be evaluated. Driveline components and operational angles will be evaluated.

DRTR 110 Driveline Systems

Credit Units: 4.0 Course Hours: 60.0

You will learn operation, diagnosis and repair of wheels, tires, bearings, seals, driveshafts and axles. The course content includes the evaluation and repair of tire pressure monitor systems.

DRTR 150 Tracks and Undercarriage

Credit Units: 4.0 Course Hours: 60.0

You will study final drives, standard and planetary gear reductions and undercarriage in crawler tractors and wheeled machines. You will also learn basic rigging and hoisting principles.

DRTR 151 Bearings, Seals, Clutches and Transmissions

Credit Units: 4.0 Course Hours: 60.0

You will learn how to remove, inspect and install various seals and bearings. You will also learn how to diagnose and repair clutches. The course content includes the operation, diagnosis and repair of manual transmissions.

DRTR 152 Differentials and Final Drives

Credit Units: 4.0 Course Hours: 60.0

You will learn how to diagnose and repair drive lines and differentials. You will also study and repair planetary final drive and steerable drive axle systems.

DSGN 101 Elements and Principles of Design 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): GAP 340, GRPH 125, GRPH 260

You will study basic design theory in the context of visual communications. You will learn about design tools and materials, and design processes including critiques and drawing. Using the formal elements of design, you will develop practical design skills.

DSGN 101CE Elements and Principles of Design 1

Credit Units: 3.0 Course Hours: n/a

You will study basic design theory in the context of visual communications. You will learn about design tools and materials, and design processes including critiques and drawing. Using the formal elements of design, you will develop practical design skills.

DSGN 103 User Experience Design 1

Credit Units: 3.0 Course Hours: 45.0

You will learn the core concepts of User Experience (UX) design, the modern toolset, and the conventions of its use. You will develop concepts using wireframes and mockups. You will create prototypes using UX design tools.

DSGN 103CE Web Site Design Principles

Credit Units: 3.0 Course Hours: n/a

You will learn the core concepts of User Experience (UX) design, the modern toolset, and the conventions of its use. You will develop concepts using wireframes and mockups. You will create prototypes using UX design tools.

DSGN 105 Structuring Screen Space

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 109*

You will learn to orient your visual expressions within the parameters of the video medium. You will discuss the interplay of screen forces and demonstrate the visualization process. You will develop familiarity with this field of aesthetic expression.

DSGN 106 Interface Design

Credit Units: 3.0 Course Hours: 38.0

Prerequisite(s): DSGN 101

You will learn the basics of interface design. You will also practice creative problem solving by designing interactive environments.

DSGN 106CE Interface Design

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): DSGN 101

You will learn the basics of interface design. You will also practice creative problem solving by designing interactive environments.

DSGN 107 Transmission and Distribution

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on a review of the solution of balanced and unbalanced circuits and the principles involved in symmetrical components. You will study the nature of faults and their clearing. You will also study the principles of symmetrical components applied to the problem of fault current calculation in the case of three-phase symmetrical, line-to-line and line-to-ground faults.

DSGN 108 3D Fabrication and Design

Credit Units: 4.0 Course Hours: 60.0

You will use 3D modeling software to design multiple objects. You will use addition and subtraction techniques to make complex polyhedrons, threads, and hinges. You will edit an existing 3D model to be repurposed for alternate usage. You will be tasked with measuring an electronic device and design a case to be 3D printed.

DSGN 110 Design Fundamentals

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 109*

Equivalent Course(s): DSGN 101, GRPH 150

You will explore the elements of design and principles of organization. You will learn about grids and how they enhance layout and composition. You will gain an understanding of colour theory and the use of the colour wheel. You will explore the application of typography in relation to effective graphic design. You will apply these skills to create effective design communication solutions.

DSGN 111 Design 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 110*

Equivalent Course(s): GRPH 232

You will learn the creative process and design problem solving steps. You will develop composition and type-pairing strategies as well as examine various colour relationships. Using fundamental design knowledge and skills you acquire in this course; you will create a logo and complementary campaign items for a specified client.

DSGN 121 Design Studio: Fundamentals

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): GRPH 121

You will learn fundamental graphic skills and graphic design concepts. You will learn how to apply these skills to graphic presentations and three-dimensional objects.

DSGN 201 Sound Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AUDI 202*

You will learn about the function of sound and various factors that contribute to designing sound for media. You studies will include methods and approaches to sound as implemented by prominent sound designers. You will learn to discern subtle details in your listening practices.

DSGN 202 User Experience Design 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 103*

You will explore User Experience (UX) testing methods, conventions, and test a full-scale prototype. You will consider the impact of ethics and accessibility while creating an industry ready prototype.

DSGN 202CE User Interface Design

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): DSGN 103*

You will explore User Experience (UX) testing methods, conventions, and test a full-scale prototype. You will consider the impact of ethics and accessibility while creating an industry ready prototype.

DSGN 203 Typography

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): GRPH 100

You will study typopgraphic terminology and learn to identify fonts and the families to which they belong. You develop an appreciation for the important role of typography in design. You will learn how to use type as a design element and create unique letters.

DSGN 203CE Typography

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): GRPH 100

You will study typopgraphic terminology and learn to identify fonts and the families to which they belong. You develop an appreciation for the important role of typography in design. You will learn how to use type as a design element and create unique letters.

DSGN 204 Design Processes and Critical Studies

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 101*

You will develop exceptional graphic solutions based on solid analysis and design. You will investigate essential design processes and techniques. You will develop critical thinking and analytical skills. You will demonstrate your skills by creating appropriate solutions to design challenges

DSGN 204CE Design Processes and Critical Studies

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): DSGN 101*

You will develop exceptional graphic solutions based on solid analysis and design. You will investigate essential design processes and techniques. You will develop critical thinking and analytical skills. You will demonstrate your skills by creating appropriate solutions to design challenges

DSGN 205 Contemporary Graphic Design

Credit Units: 4.0 Course Hours: 60.0

You will develop an appreciation for innovation in the fields of media and art which are inspired by technological and societal change. You will learn to adapt to new methods and the ongoing redefinition of artistic trends. You will study major contemporary trends in new media design. You will research trendsetters and their work. You will create works in a variety of contemporary styles.

DSGN 205CE Contemporary Graphic Design

Credit Units: 4.0 Course Hours: n/a

You will develop an appreciation for innovation in the fields of media and art which are inspired by technological and societal change. You will learn to adapt to new methods and the ongoing redefinition of artistic trends. You will study major contemporary trends in new media design. You will research trendsetters and their work. You will create works in a variety of contemporary styles.

DSGN 206 Methods of Graphic Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 204, GRPH 100

You will learn the creative approaches, techniques, strategies and processes used to create meaningful images that communicate ideas. The course content is drawn from the American Institute of Graphic Artists (AIGA) competencies of graphic design - hierarchy, typography, aesthetics, and composition.

DSGN 207 Engineering Research and Technical Proposal

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DRFT 290, SEM 101, THER 101, ENGM 180, ENGM 101, MANU 100, CAD 105, CAD 287, DSGN 280, ENGM 193, MTRX 200, THER 200, MANU 201, MTRX 201, MANU 290

Corequisite(s): CAD 288, DSGN 282, ENG 291, ENG 292, MANU 202, MANU 203, MANU 291, PROJ 287

You will develop a technical proposal and apply advanced research skills to a technical problem. You will use the technical problem-solving process in an applied research project and present your research findings in a written report and an oral presentation.

DSGN 208 Concurrent Engineering 2

Credit Units: 1.0 Course Hours: 15.0

You will fabricate a product prototype that was designed in the Concurrent Engineering course. You will complete an engineering report, and prepare and present a final oral presentation of your project.

DSGN 209 Electrical Systems Design

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CADD 120, ENGE 220, SAFE 112

You will study the principles of electrical design and regulations governing electrical installations as stipulated by the Canadian Electrical Code (CEC). Your studies of electrical distribution design for residential, commercial, institutional, and industrial occupancies will focus on the electrical service, distribution, load centers, protection devices and related equipment used on the job. Your studies will also include the designing of the lighting systems both manually and using an appropriate software.

DSGN 210 Introduction to Mobile Application Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 103

You will learn the basics of designing mobile applications and creating mobile application prototypes. You will examine current mobile application design patterns and technologies. You will create a mobile application prototype using prototyping tools.

DSGN 211 Design 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 111

Equivalent Course(s): GRPH 233

In this course you will study typography and create your own custom typeface. You will research type styles and foundries and determine a potential client that could use your typeface. You will create multiple designs using the typeface you create, prepare a presentation and pitch to an audience.

DSGN 212 Design 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 211*

In this course you will develop a life-long learning plan. You will learn about personal and professional development opportunities to prepare you for future independent development. You will explore emerging trends, strategies, and techniques in the areas of design, print media, and digital media.

DSGN 225 Power Transmission and Distribution

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGE 220

Your studies will focus on identifying the difference between power transmission and distribution systems. You will study the impedance calculations of each component in a power system. You will study the nature of power system faults and their clearing. You will study the principles of symmetrical components applied to the problem of fault current calculation in the case of three-phase symmetrical, line-to-line and line-to-ground faults. You will also assess the total harmonics distortion (THD) in a power system.

DSGN 231 Design Studio: Residential

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DSGN 121, DRFT 110

Equivalent Course(s): GRPH 122

You will learn the fundamentals of the design process. You will use that process to design a house and present your design in a professional format.

DSGN 232 Design Studio: Institutional

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DSGN 231, DRFT 220

Equivalent Course(s): GRPH 220

While exploring other cultures, you will use the design process to plan and design an institutional project that meets specialized client needs. You will present and reflect on your design in a professional setting.

DSGN 234 Design Studio: Commercial Mixed Occupancy 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DRFT 224, DSGN 232, CODE 200

Corequisite(s): CODE 201

You will develop the programme and concept for a commercial mixed-occupancy interior using a research-based approach. You will also visually communicate design ideas while advancing your presentation skills. You will use manual techniques and digital imaging software to enhance presentations, create graphic layouts and exploit multiple types of media.

DSGN 235 Design Studio: Commercial Mixed Occupancy 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CODE 201, DSGN 234

Corequisite(s): DRFT 234

You will fully develop a final design proposal for a commercial mixed-occupancy interior, based on your preliminary design from DSGN 234. You will prepare and present the proposal in a professional setting.

DSGN 280 Mechanical Design 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 113, ENGM 101

Corequisite(s): CAD 105, SHOP 186

You will learn the techniques of design, analysis and selecting various machine components including belt and chain drive components, wire rope, springs, fasteners, bolted connections, welded joints and combined stresses. You will learn traditional design methods and then use computer solutions extensively to augment the design process.

DSGN 282 Mechanical Design 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DSGN 280

You will learn the techniques of design, analysis and selecting various machine components. You will study bearings, shafts, springs, couplings, gears, clutches, brakes and cams. You will examine traditional design methods and then use computer solutions extensively to augment the design process.

DSGN 283 Mechanical Design Project

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 282

You will learn how to develop and evaluate several components in the design of a machine. You will select and integrate bearings, shafts, springs, couplings, gears, clutches, brakes and cams into a comprehensive project.

Course Descriptions E

ECE 100 Introduction to Early Childhood Education

Credit Units: 3.0 Course Hours: 45.0

You will study the values, roots and the practices of early childhood education from historical and global perspectives. You will explore the image of the child and the principles of emergent curriculum from a holistic perspective. The course identifies current practices and models which support quality in early learning and care environments. This course will introduce Indigenous philosophies that guide early childhood education.

ECE 100CE Introduction to Early Childhood Education

Credit Units: 3.0 Course Hours: n/a

You will study the values, roots and the practices of early childhood education from historical and global perspectives. You will explore the image of the child and the principles of emergent curriculum from a holistic perspective. The course identifies current practices and models which support quality in early learning and care environments. This course will introduce Indigenous philosophies that guide early childhood education.

ECE 101 Roles and Values of the Early Childhood Educator

Credit Units: 3.0 Course Hours: 40.0

The course focuses on the supporting values of the early childhood educator. You will examine the common values that include respect for human dignity and diversity. You will demonstrate through classroom and practical experience, responsibility, caring, compassion and teamwork. These are qualities that form the basis for personal and professional ethics of an early childhood educator.

ECE 101CE Roles and Values of the Early Childhood Educator

Credit Units: 3.0 Course Hours: n/a

The course focuses on the supporting values of the early childhood educator. You will examine the common values that include respect for human dignity and diversity. You will demonstrate through classroom and practical experience, responsibility, caring, compassion and teamwork. These are qualities that form the basis for personal and professional ethics of an early childhood educator.

ECE 102 Programming for Creative Arts Development

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ECE 100, (HUMD 100 or HUMD 181), ECE 181

The course focuses on the expressive media of visual arts, music, and creative movement. You will examine the role of the creative arts in an early childhood education program. You will receive instruction and practice in the arts and in planning curriculum that is responsive to children's interests in artistic expression. Your studies will examine how programming for creative arts is accommodated through the Project Approach.

ECE 102CE Programming for Creative Arts Development

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): ECE 100, (HUMD 100 or HUMD 181), ECE 181

The course focuses on the expressive media of visual arts, music, and creative movement. You will examine the role of the creative arts in an early childhood education program. You will receive instruction and practice in the arts and in planning curriculum that is responsive to children's interests in artistic expression. Your studies will examine how programming for creative arts is accommodated through the Project Approach.

ECE 103 Programming for Language Development

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): ECE 100, (HUMD 100 or HUMD 181), ECE 181

Equivalent Course(s): ECE 183

You will examine the development of language and receive instruction and practice in planning curriculum to respond to the language needs of children. You will explore language play, language games, creative drama, poetry, story reading and storytelling. Your studies will help you recognize quality in children's literature. You will examine the use of the Project Approach in facilitating language and literacy development.

ECE 103CE Programming for Language Development

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): ECE 100, (HUMD 100 or HUMD 181), ECE 181

You will examine the development of language and receive instruction and practice in planning curriculum to respond to the language needs of children. You will explore language play, language games, creative drama, poetry, story reading and storytelling. Your studies will help you recognize quality in children's literature. You will examine the use of the Project Approach in facilitating language and literacy development.

ECE 104 Programming for Cognitive Development

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): ECE 100, (HUMD 100 or HUMD 181), ECE 181

Equivalent Course(s): ECE 185

You will study the cognitive development of children and acquire skills in planning curriculum to meet the cognitive needs of children. Utilizing a holistic approach, you will be introduced to the cognitive processes of young children. You will plan curriculum that is developmentally appropriate and design effective learning environments. The curriculum strategies include creating invitations to learning, experiences with sensory materials such as sand, water and blocks and the incorporation of mathematical and scientific concepts into daily activities. Your studies will examine how programming for cognitive development is accommodated through the Project Approach.

ECE 104CE Programming for Cognitive Development

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): ECE 100, (HUMD 100 or HUMD 181), ECE 181

You will study the cognitive development of children and acquire skills in planning curriculum to meet the cognitive needs of children. Utilizing a holistic approach, you will be introduced to the cognitive processes of young children. You will plan curriculum that is developmentally appropriate and design effective learning environments. The curriculum strategies include creating invitations to learning, experiences with sensory materials such as sand, water and blocks and the incorporation of mathematical and scientific concepts into daily activities. Your studies will examine how programming for cognitive development is accommodated through the Project Approach.

ECE 105 Programming for Social and Emotional Development

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): ECE 100, (HUMD 100 or HUMD 181), ECE 181

The course will examine the development of social and emotional skills in early childhood. You will receive instruction and practice in planning curriculum to meet the social and emotional needs of children. You will explore how children respond to different social and emotional situations and the role of the early childhood educator in facilitating healthy social and emotional development.

ECE 105CE Programming for Social and Emotional Development

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): ECE 100, (HUMD 100 or HUMD 181), ECE 181

The course will examine the development of social and emotional skills in early childhood. You will receive instruction and practice in planning curriculum to meet the social and emotional needs of children. You will explore how children respond to different social and emotional situations and the role of the early childhood educator in facilitating healthy social and emotional development.

ECE 106 Dynamics of Play 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): HUMD 182

You will learn about the essential role play has in supporting the holistic development of children. The course focuses on the role of the early childhood educator in supporting children's play, exploration and inquiry across all cultures and abilities.

ECE 106CE Role of Play in ECE

Credit Units: 3.0 Course Hours: n/a

You will learn about the essential role play has in supporting the holistic development of children. The course focuses on the role of the early childhood educator in supporting children's play, exploration and inquiry across all cultures and abilities.

ECE 107 Effective Relationships in Early Childhood Environments

Credit Units: 3.0 Course Hours: 45.0

You will study and practice positive skills to develop effective relationships in ECE environments. This course provides opportunities to identify personal strengths and practice conflict resolution skills. You will build competence in using technology as an effective means of communication in early childhood environments.

ECE 107CE Effective Relationships in Early Childhood Environments

Credit Units: 3.0 Course Hours: n/a

You will study and practice positive skills to develop effective relationships in ECE environments. This course provides opportunities to identify personal strengths and practice conflict resolution skills. You will build competence in using technology as an effective means of communication in early childhood environments.

ECE 108 Curriculum Design in Early Childhood Education 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HUMD 102, ECE 181

You will plan a quality curriculum for children using a holistic approach while responding to their ideas and play. You will apply the main components of developing curriculum and practice preparing developmentally appropriate and open-ended experiences for children.

ECE 108CE Curriculum Design in Early Childhood Education 1

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): HUMD 102, ECE 181

You will plan a quality curriculum for children using a holistic approach while responding to their ideas and play. You will apply the main components of developing curriculum and practice preparing developmentally appropriate and open-ended experiences for children.

ECE 109 Curriculum Design in Early Childhood Education 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ECE 108

You will design a responsive and culturally relevant curriculum for young children through the exploration of authentic materials. You will practice implementing a variety of developmentally appropriate experiences.

ECE 109CE Curriculum Design in Early Childhood Education 2

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): ECE 108

You will design a responsive and culturally relevant curriculum for young children through the exploration of authentic materials. You will practice implementing a variety of developmentally appropriate experiences.

ECE 142 Health, Safety and Nutrition

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ECD 142

Your studies will focus on diverse cultural practices that promote the health, safety and nutritional needs of children and which support their holistic development.

ECE 142CE Health, Safety and Nutrition

Credit Units: 3.0 Course Hours: n/a

Your studies will focus on diverse cultural practices that promote the health, safety and nutritional needs of children and which support their holistic development.

ECE 181 Observation and Documentation 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ECD 122

You will acquire skills in observing and documenting children's play and development as a foundation for responsive programming.

ECE 181CE Observation and Documentation 1

Credit Units: 3.0 Course Hours: n/a

You will acquire skills in observing and documenting children's play and development as a foundation for responsive programming.

ECE 200 Play Environments

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PRAC 181 or PRAC 105

Equivalent Course(s): ECE 204

The course is a continuation of Play in Early Childhood Education. You will use play theory to plan developmentally appropriate programs, plan indoor play environments, and to examine outdoor play environments.

ECE 200CE Play Environments

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): PRAC 181 or PRAC 105

The course is a continuation of Play in Early Childhood Education. You will use play theory to plan developmentally appropriate programs, plan indoor play environments, and to examine outdoor play environments.

ECE 201 Program Planning for Early Childhood Education Programs

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 181 or PRAC 105

Equivalent Course(s): ECE 205

The course is a culmination of the diploma program. You will use information on developmentally appropriate practice, child development, and holistic planning to plan curriculum for young children. You will incorporate information on children with diverse needs, multi-age groups, and diverse cultures to plan both individual and group programs.

ECE 201CE Program Planning for Early Childhood Education Programs

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 181 or PRAC 105

The course is a culmination of the diploma program. You will use information on developmentally appropriate practice, child development, and holistic planning to plan curriculum for young children. You will incorporate information on children with diverse needs, multi-age groups, and diverse cultures to plan both individual and group programs.

ECE 202 Responsive Care for Infants and Toddlers

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

Equivalent Course(s): ECE 225

You will examine the development of infants and toddlers. You will plan a curriculum which includes intercultural experiences and environments that will encourage the holistic development of infants and toddlers.

ECE 202CE Responsive Care for Infants and Toddlers

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

You will examine the development of infants and toddlers. You will plan a curriculum which includes intercultural experiences and environments that will encourage the holistic development of infants and toddlers.

ECE 203 Inclusion in Early Learning and Childcare Settings

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

Your studies will focus on the concepts and strategies of inclusion. You will discuss historical and current approaches, trends, and issues as they impact the practices of inclusion. You will examine practices related to identification and early intervention.

ECE 203CE Inclusion in Early Learning and Childcare Settings

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

Your studies will focus on the concepts and strategies of inclusion. You will discuss historical and current approaches, trends, and issues as they impact the practices of inclusion. You will examine practices related to identification and early intervention.

ECE 204 Dynamics of Play 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

Equivalent Course(s): ECE 200

You will use play theory to design developmentally appropriate early learning indoor and outdoor play environments. The course content provides an introduction to approaches in design that support Indigenous ways of knowing and diversity.

ECE 205 Curriculum Design in Early Childhood Education 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

Equivalent Course(s): ECE 201

You will explore the elements of curriculum design with a focus on the Project Approach. You will acquire knowledge about emergent curriculum using a holistic approach in designing a responsive and culturally relevant program.

ECE 220 Anti-Bias Education in Early Childhood

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

Equivalent Course(s): ECD 220

You will focus on the issues related to providing respectful and relevant early learning and childcare for all children and families. You will have opportunities to examine your personal beliefs and values as they relate to the planning and implementation of an anti-bias curriculum for children. You will acquire the knowledge and develop the skills needed to build partnerships with families while respecting their diverse needs and cultures.

ECE 220CE Anti-Bias Education in Early Childhood

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

You will focus on the issues related to providing respectful and relevant early learning and childcare for all children and families. You will have opportunities to examine your personal beliefs and values as they relate to the planning and implementation of an anti-bias curriculum for children. You will acquire the knowledge and develop the skills needed to build partnerships with families while respecting their diverse needs and cultures.

ECE 221 Observation and Documentation 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

Equivalent Course(s): ECD 221

You will apply a variety of observation methods and tools used to collect an ethical, objective and holistic view of a child.

ECE 221CE Observation and Documentation 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

You will apply a variety of observation methods and tools used to collect an ethical, objective and holistic view of a child.

ECE 226 Responsive Care for School Age Children

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

Equivalent Course(s): ECD 226

You will examine the development and characteristics of school age children. This course focuses on the unique role of the educator, childcare issues distinctive to this age and the curriculum that can be designed to accommodate them.

ECE 226CE Responsive Care for School Age Children

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

You will examine the development and characteristics of school age children. This course focuses on the unique role of the educator, childcare issues distinctive to this age and the curriculum that can be designed to accommodate them.

ECON 100 Economics

Credit Units: 5.0 Course Hours: 80.0

You will study the foundations of macroeconomics. Your studies will include an introduction to the economic principles of scarcity, opportunity costs, demand and supply, and comparative market structures. You will then focus on learning about the major macroeconomic elements impacting our economy. This includes Gross Domestic Product, unemployment and inflation, government spending and taxation, the Canadian banking system, foreign trade and other key macroeconomic variables.

ECON 100CE Economics

Credit Units: 5.0 Course Hours: n/a

You will study the foundations of macroeconomics. Your studies will include an introduction to the economic principles of scarcity, opportunity costs, demand and supply, and comparative market structures. You will then focus on learning about the major macroeconomic elements impacting our economy. This includes Gross Domestic Product, unemployment and inflation, government spending and taxation, the Canadian banking system, foreign trade and other key macroeconomic variables.

ECON 120 Microeconomics

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): RT 191

Your studies will focus on an introduction to microeconomics. You will learn how individuals, businesses and governments make decisions in a world of scarce resources and unlimited wants. You will study how production and consumption choices are made in a market economy. You will learn to analyze economic fundamentals in supply, demand, costs, response to price changes, and income distribution. Finally, you will gain an understanding of the most common market structures along with their price and output determination in the Canadian economic marketplace.

ECON 120CE Microeconomics

Credit Units: 4.0 Course Hours: n/a

Your studies will focus on an introduction to microeconomics. You will learn how individuals, businesses and governments make decisions in a world of scarce resources and unlimited wants. You will study how production and consumption choices are made in a market economy. You will learn to analyze economic fundamentals in supply, demand, costs, response to price changes, and income distribution. Finally, you will gain an understanding of the most common market structures along with their price and output determination in the Canadian economic marketplace.

ECON 121 Macroeconomics

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ECON 120 or ECON 100

Equivalent Course(s): ECON 141

This course will help you to understand how our economy works at a national level, along with the problems and choices faced by any modern economy. You will learn how to measure and interpret the state of the economy with macroeconomic variables such as GDP, inflation, unemployment, money supply, and interest rate. You will study how monetary policy (money supply and interest rates) and fiscal policy (government spending and taxation) are used to smooth economic fluctuations. You will examine foreign trade and exchange rates in a global economy.

ECON 121CE Macroeconomics

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): ECON 120 or ECON 100

This course will help you to understand how our economy works at a national level, along with the problems and choices faced by any modern economy. You will learn how to measure and interpret the state of the economy with macroeconomic variables such as GDP, inflation, unemployment, money supply, and interest rate. You will study how monetary policy (money supply and interest rates) and fiscal policy (government spending and taxation) are used to smooth economic fluctuations. You will examine foreign trade and exchange rates in a global economy.

ECON 200 Introduction to Agricultural Economics

Credit Units: 3.0 Course Hours: 45.0

You will explore the economics of the food, fibre, and fuel industries. You will analyze consumer and business behaviour under various market and regulatory conditions, as well determine changes to supply and demand curves. Both microeconomic and macroeconomic factors will be defined and discussed in relation to agricultural value chains.

ECON 280 Economics

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to Economic Theory. You will study introductory economic concepts, operations of a market (with an examination of demand and supply), and the role of government in a market economy related specifically to the hospitality industry, government in Canada, economic indicators, examination of money and the Canadian banking system. You will also be introduced to microeconomics with particular emphasis on types of competition related to the hospitality industry.

ECON 400 Micro and Macro Economics

Credit Units: 3.0 Course Hours: 45.0

You will study the basics of microeconomics and macroeconomics. Your studies will include economic theory, problems and solutions. You will gain an understanding in scarcity, opportunity costs, demand and supply; as well as how various market structures determine output and price. From a macro perspective you will learn about the role of the government's spending and taxation, the Canadian banking system, foreign trade and other key macroeconomic variables.

ECRD 101 Basic Electrocardiography

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MTER 180*

Your studies will focus on the principles of electrocardiography (ECG). The course content includes step by step recording techniques, recognizing artifacts and identifying remedies. It will also include learning to recognize life threatening heart rates and myocardial infarctions.

ECRD 180 Electrocardiography

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): APHY 103, MTER 180

Your studies will focus on the theoretical aspects required to perform electrocardiograms (ECGs). The course content includes recording techniques, recognizing artifacts and identifying remedies to minimize them, and recognizing basic cardiac arrhythmias. You will develop skills to perform ECGs.

ECRD 180CE Electrocardiography

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): APHY 103, MTER 180

Your studies will focus on the theoretical aspects required to perform electrocardiograms (ECGs). The course content includes recording techniques, recognizing artifacts and identifying remedies to minimize them, and recognizing basic cardiac arrhythmias. You will develop skills to perform ECGs.

EDUC 100 Competency Development

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): ETHC 101, MICR 111, PROC 183, ECRD 180*, HSTC 188*

You will develop a study plan using learning activities and assignments to maintain and improve personal competence. A systematic review of curriculum content, the national competency profile and comprehensive practice exam questions will be used to identify specific areas for improvement. You will receive an introduction to research within health care.

EDUC 160 Principles of Education

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HLTH 163

Your study will focus on the basic goal of education and the role of selfmanagement in diabetes care. You will review the principles of good communication and how to assess your clients' readiness to learn. You will be introduced to the stages of behaviour change that help guide the education process.

EDUC 160CE Principles of Education

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): HLTH 163

Your study will focus on the basic goal of education and the role of selfmanagement in diabetes care. You will review the principles of good communication and how to assess your clients' readiness to learn. You will be introduced to the stages of behaviour change that help guide the education process.

EDUC 180 Supporting Instruction I

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to individual learning styles and other factors that influence learning differences in students. You will learn strategies that facilitate student learning including instructional approaches, classroom management, effective observation and recording, and the role of Personal Program Plans (PPP).

EDUC 180CE Supporting Instruction I

Credit Units: 3.0 Course Hours: n/a

You will be introduced to individual learning styles and other factors that influence learning differences in students. You will learn strategies that facilitate student learning including instructional approaches, classroom management, effective observation and recording, and the role of Personal Program Plans (PPP).

EDUC 181 Supporting Instruction 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): EDUC 180

You will be provided with an overview of the Saskatchewan curriculum with a focus on language arts, technology, basic mathematics and land-based education. You will expand your knowledge of strategies to provide educational support under a teacher's supervision.

EDUC 181CE Supporting Instruction 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): EDUC 180

You will be provided with an overview of the Saskatchewan curriculum with a focus on language arts, technology, basic mathematics and land-based education. You will expand your knowledge of strategies to provide educational support under a teacher's supervision.

EDUC 182 Principles and Practices of Adult Learning

Credit Units: 3.0 Course Hours: 52.0

Equivalent Course(s): HR 232, NEPS 218

Using the principles of adult learning, your studies will focus on the characteristics of adult learners and approaches to use while educating them in occupational health and safety concepts. Developing a professional portfolio will support you in creating a personal continuing education plan for occupational health and safety.

EDUC 200 Foundations in Adult Education

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): SFCP 600

You will focus on theoretical aspects of the adult teaching and learning experience. You will examine your personal philosophy of teaching and how that is reflected in your instructional practice. In your studies you will examine principles of adult education, instructional methods and their impact on the learning environment.

EDUC 200CE Foundations in Adult Education

Credit Units: 3.0 Course Hours: n/a

You will focus on theoretical aspects of the adult teaching and learning experience. You will examine your personal philosophy of teaching and how that is reflected in your instructional practice. In your studies you will examine principles of adult education, instructional methods and their impact on the learning environment.

EDUC 201 Adult Learning

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EDUC 200 or SFCP 600

Equivalent Course(s): SFCP 601

You will examine concepts and theories that underpin the foundation and philosophy of adult education and training. Your studies will focus on the role of lifelong learning and the relationship of adult physical, psychological, cognitive, and socio-cultural development to adult learning. You will link theory and practice by composing a strategy to integrate adult learning theory and principles into your teaching practice.

EDUC 201CE Adult Learning

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): EDUC 200 or SFCP 600

You will examine concepts and theories that underpin the foundation and philosophy of adult education and training. Your studies will focus on the role of lifelong learning and the relationship of adult physical, psychological, cognitive, and socio-cultural development to adult learning. You will link theory and practice by composing a strategy to integrate adult learning theory and principles into your teaching practice.

EDUC 202 Instructional Strategies in Adult Education

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): (EDUC 200 or SFCP 600)

You will integrate adult learning theory and principles into your instructional practice. Your studies will focus on using instructional strategies to create, present and analyze lessons for face-to-face (F2F), blended and online delivery. You will discuss and practice communication techniques with your colleagues, as well as foster a reflective practice that informs teaching and learning.

EDUC 202CE Instructional Strategies in Adult Education

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): (EDUC 200 or SFCP 600)

You will integrate adult learning theory and principles into your instructional practice. Your studies will focus on using instructional strategies to create, present and analyze lessons for face-to-face (F2F), blended and online delivery. You will discuss and practice communication techniques with your colleagues, as well as foster a reflective practice that informs teaching and learning.

EDUC 203 Curriculum Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EDUC 200 or SFCP 600

Equivalent Course(s): SFCP 603

You will develop skills related to the design and development of curriculum. Your studies will focus on completing a needs assessment to identify curriculum changes, then designing the learning outcomes, instructional strategies and assessment plans to meet this need. You will analyze and design a curriculum project related to your program area. The course content provides an introduction to the processes used to evaluate curriculum.

EDUC 204 Educational Technology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EDUC 200 or SFCP 600

Equivalent Course(s): SFCP 604

You will examine the use of technology in the educational process. Your studies will help you acquire skills using a variety of educational technology tools along with evaluating their effectiveness in the classroom. You will study blended learning environments and design a module of online content. You will examine emerging trends in educational technology and explore their relevance to your program.

EDUC 204CE Educational Technology

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): EDUC 200 or SFCP 600

You will examine the use of technology in the educational process. Your studies will help you acquire skills using a variety of educational technology tools along with evaluating their effectiveness in the classroom. You will study blended learning environments and design a module of online content. You will examine emerging trends in educational technology and explore their relevance to your program.

EDUC 205 Evaluation of Learning

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EDUC 200 or SFCP 600

Equivalent Course(s): SFCP 602

You will explore evaluation and assessment of learners in adult education environments. Your studies will encompass strategies for planning and designing assessment tools to evaluate learning. You will construct and analyze evaluation tools to measure knowledge and skills.

EDUC 206 Teaching Portfolio Development

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EDUC 200 or SFCP 600

You will develop your teaching portfolio driven by your teaching philosophy. Your studies will help you select, reflect and organize portfolio evidence around instructor competency standards. You will share your assembled teaching portfolio and submit a plan for professional development and portfolio maintenance. In this course you will learn how to establish and maintain a mentorship relationship.

EDUC 207 Educational Leadership

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EDUC 200 or SFCP 600

Equivalent Course(s): SFCP 606

You will examine educational leadership, leadership theories and styles and how they can be applied to the educational setting. Your studies will consider challenges in leadership and the effect on education. Culture of the organization and the classroom will be discussed as it relates to leadership. You will explore the historical perspective and future trends, working toward a personal philosophy of leadership.

EDUC 207CE Educational Leadership

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): EDUC 200 or SFCP 600

You will examine educational leadership, leadership theories and styles and how they can be applied to the educational setting. Your studies will consider challenges in leadership and the effect on education. Culture of the organization and the classroom will be discussed as it relates to leadership. You will explore the historical perspective and future trends, working toward a personal philosophy of leadership.

EDUC 210 Competency Development

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): BIOL 104, CHEM 211, CHEM 212, ETHC 101, HSTC 210, HEMA 212, HEMA 213, TRFS 202, TRFS 203, MICR 212, CLIN 120, CLIN 121, SIMU 201*, SIMU 202*, SIMU 203*, SIMU 204*, SIMU 205*, SIMU 206*

You will develop a study plan using learning activities and assignments to maintain and improve personal competence. A systematic review of curriculum content, the national competency profile and comprehensive practice exam questions will be used to identify specific areas for improvement.

EDUC 211 Competency Development

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): SIMU 281, CLIN 295*

You will develop a study plan using learning activities and assignments to maintain and improve personal competence. A systematic review of curriculum content, the national competency profile and comprehensive practice exam questions will be used to identify specific areas for improvement.

EDUC 260 The Education Process

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HLTH 267

You will utilize the principles of adult learning, as you study the characteristics of adult learners and the approaches used to enhance learning and healthy self-care practices. You will also use the Staged Model of Change in Practice to explore the behaviours that affect learning and your clients' readiness to learn.

EDUC 260CE The Education Process

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): HLTH 267

You will utilize the principles of adult learning, as you study the characteristics of adult learners and the approaches used to enhance learning and healthy self-care practices. You will also use the Staged Model of Change in Practice to explore the behaviours that affect learning and your clients' readiness to learn.

EDUC 301 Competency Maintenance

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): SIMU 201, SIMU 202, SIMU 203, SIMU 204, SIMU 205, SIMU 206

You will integrate and synthesize the knowledge, skills, and judgement gained through theory and clinical courses to develop a personal profile demonstrating competency maintenance. You will identify challenges and implement learning strategies to enhance and support clinical competency.

EDUC 302 Competency Maintenance

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): CLIN 296, CLIN 287*

You will integrate and synthesize the knowledge, skills, and judgement gained through theory and clinical courses to develop a personal profile demonstrating competency maintenance. You will identify challenges and implement learning strategies to enhance and support clinical competency.

EDUC 303 Competency Development

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): SIMU 280*

You will develop a study plan using learning activities and assignments to maintain and improve personal competence. A systematic review of curriculum content and comprehensive practice exam questions will be used to identify specific areas for improvement.

EDUC 304 Competency Maintenance

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): SIMU 280*

You will integrate and synthesize the knowledge, skills, and judgement gained through theory and clinical courses to develop a personal profile demonstrating competency maintenance. You will identify challenges and implement learning strategies to enhance and support clinical competency.

ELA 1500 English Language Arts Bridging

Credit Units: 0.0 Course Hours: 100.0

Provides students an opportunity to learn and practice skills in preparation for a successful experience in the English Language Arts A30 and B30 courses.

ELA 1800 St Assist ELA 1

Credit Units: 0.0 Course Hours: 1.0

Student Assist ELA

ELA 1801 St Assist ELA 2

Credit Units: 0.0 Course Hours: 1.0

Student Assist ELA 2

ELA 1802 St Assist ELA 3

Credit Units: 0.0 Course Hours: 1.0

Student Assist ELA

ELA A30 English Language Arts A30

Credit Units: 1.0 Course Hours: 100.0

This course is meant to expose you to many different perspectives of people within Canada, and its aim is to help you to explore the main theme of Canadian voices through the sub themes of identity, social responsibility, and social action. This course will also help you to analyse informational and literary texts, improve your formal writing skills, and clearly communicate your ideas in a variety of ways. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

ELA A30CE English Language Arts A30

Credit Units: 1.0 Course Hours: n/a

This course is meant to expose you to many different perspectives of people within Canada, and its aim is to help you to explore the main theme of Canadian voices through the sub themes of identity, social responsibility, and social action. This course will also help you to analyse informational and literary texts, improve your formal writing skills, and clearly communicate your ideas in a variety of ways. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

ELA A31 ELA - Locally Modified Basic

Credit Units: 1.0 Course Hours: 100.0

English Language Arts A30 curriculum modified by including a minimum of 50% of regular curriculum objectives and up to 50% local objectives.

ELA B30 English Language Arts B30

Credit Units: 1.0 Course Hours: 100.0

This course is meant to expose you to voices and perspectives from many different people around the world (excluding Canadian voices – those belong in the ELA A30 course), and its aim is to help you to explore the main theme of Global perspectives through the sub themes of identity, social responsibility, and social action. This course will also help you to analyze informational and literary texts, improve your formal writing skills, and clearly communicate your ideas in a variety of ways. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

ELA B30CE English Language Arts B30

Credit Units: 1.0 Course Hours: n/a

This course is meant to expose you to voices and perspectives from many different people around the world (excluding Canadian voices – those belong in the ELA A30 course), and its aim is to help you to explore the main theme of Global perspectives through the sub themes of identity, social responsibility, and social action. This course will also help you to analyze informational and literary texts, improve your formal writing skills, and clearly communicate your ideas in a variety of ways. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

ELA B31 ELA - Locally Modified Basic

Credit Units: 1.0 Course Hours: 100.0

English Language Arts B30 curriculum modified by including a minimum of 50% of regular curriculum objectives and up to 50% local objectives.

ELCT 102 Electrical Basics Theory

Credit Units: 2.0 Course Hours: 30.0

You will study the fundamentals of electricity and magnetism, Ohm's law and the use of analog and digital meters. Various faults and their effects on circuit operation will be discussed. You will study battery construction, operation, as well as testing and servicing procedures.

ELCT 103 Electrical Basics Shop

Credit Units: 2.0 Course Hours: 30.0

You will practice diagnosing faults in electrical circuits using digital meters. Wet cell batteries will be tested and serviced as required.

ELCT 104 Electrical Starting and Charging Systems Theory

Credit Units: 2.0 Course Hours: 30.0

You will study the fundamentals of a cranking system as well as the control circuits and components. Charging system fundamentals as well as control systems will also be discussed.

ELCT 105 Electrical Starting and Charging Systems Shop

Credit Units: 2.0 Course Hours: 30.0

You will disassemble starters and alternators and test their internal components for serviceability. Reassembled alternators and starters will be tested to verify operation. Starting and charging systems will be diagnosed utilizing test equipment and repaired.

ELCT 106 Electrical Systems 1

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): ELCT 107

You will learn the operation, diagnosis and repair electrical circuits and components.

ELCT 107 Electrical Systems 2

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): ELCT 106

Building on the skills developed in Electrical Systems 1 you will examine the operation, diagnosis and repair of computer control systems and batteries.

ELCT 108 Starting, Charging, Lighting and Wipers

Credit Units: 4.0 Course Hours: 60.0

You will become familiar with the operation, diagnosis and repair of starting, charging, lighting, and wiper systems.

ELCT 109 Electrical Theory and Practices

Credit Units: 3.0 Course Hours: 45.0

You will gain an understanding of the electrician trade, electrical theory, electrical terminology and mentoring. Your studies will familiarize you with the basic principles of electricity related to high voltage applications. You will terminate conductors and install typical lighting and receptacle circuits.

ELCT 110 Equipotential Bonding and Grounding Zone

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on equipotential grounding and bonding. Topics addressed in the course include electrical theory, permanent grounding methods, fault currents, capacities of temporary grounding connectors and testing. You will discuss how to create a safe work environment using equipotential grounding and bonding systems.

ELCT 111 Electricity Fundamentals

Credit Units: 4.0 Course Hours: 60.0

Your studies will focus on the principles of electrical circuits. You will analyze principles and theorems of electricity including current, voltage and resistance. You will solve electrical circuit problems.

ELCT 112 Basic Electricity 1

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): ELCT 113

You will study the fundamentals of direct current (DC) electricity. You will be introduced to basic electrical quantities, circuits and circuit analysis techniques. You will analyze series, parallel, and series-parallel circuits.

ELCT 113 Basic Electricity Lab 1

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): ELCT 112

You will apply the principles of direct current (DC) electricity in a lab setting. You will construct circuits on a breadboard and use multimeters to analyze them. Circuits will also be constructed and analyzed using circuit simulation software. Spreadsheet software will also be used to analyze circuits and data.

ELCT 114 Basic Electricity 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELCT 112, ELCT 113

Corequisite(s): ELCT 115

You will study the fundamentals of alternating current (AC) electricity. You will be introduced to electrical quantities, circuits and circuit analysis techniques. Circuits will be analyzed using software tools.

ELCT 115 Basic Electricity 2 Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELCT 112, ELCT 113

Corequisite(s): ELCT 114

You will apply the principles of alternating current (AC) electricity in a lab setting. You will construct circuits on a breadboard and use multimeters, function generators and oscilloscopes to analyze them. Circuits will also be constructed and analyzed using circuit simulation software. Spreadsheet software will also be used to analyze circuits and data.

ELEC 119 Electrical Theory

Credit Units: 4.0 Course Hours: 54.0

You will explore electrical theory and develop the practical skills needed to test electrical components and systems. You will also develop the skills needed to service batteries.

ELEC 120 Electrical Systems

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SFTY 126*

You will focus on identifying, diagnosing, servicing, repairing and replacing automotive wiring, electrical parts and computer components.

ELEC 135 Electrical Systems

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELEC 188, SFTY 172

You will learn troubleshooting techniques and how to apply them in building systems equipment. You will learn how to calculate power factor correction as it applies to buildings. Your studies will also include variable frequency drives.

ELEC 136 Basic Electricity 1

Credit Units: 7.0 Course Hours: 98.0

You will study the fundamentals of direct current (DC) electricity. You will be introduced to basic electrical quantities, basic electrical circuits and circuit analysis techniques. You will use multimeters to evaluate the characteristics of DC circuits. You will perform experiments to reinforce the theory.

ELEC 137 Basic Electricity 2

Credit Units: 7.0 Course Hours: 99.0

Prerequisite(s): ELEC 136

You will study the fundamentals of alternating current (AC) electricity. You will be introduced to electrical quantities, basic electrical circuits and circuit analysis techniques. You will use multimeters, function generators and oscilloscopes to evaluate the characteristics of AC circuits. You will perform experiments to reinforce the theory.

ELEC 138 Basic Electricity 1

Credit Units: 3.0 Course Hours: 45.0

You will study the fundamentals of electricity. The course content includes an introduction to basic electrical quantities, basic electric circuits and circuit analysis. You will receive hands-on instruction regarding the use of multimeters. You will perform experiments to reinforce the fundamentals of electricity and use multimeters to evaluate the characteristics of basic direct current (DC) and alternating current (AC) circuits.

ELEC 139 Basic Electricity 2

Credit Units: 3.0 Course Hours: 45.0

You will learn the operating principles of transformers, relays, generators, single and three-phase alternating current (AC) motors. You will construct and analyze rectifier and relay control circuits. You will analyze the operation of transformers and test the performance of a variety of AC motors. You will construct and troubleshoot common motor control circuits.

ELEC 142 Passive DC Circuits 1

Credit Units: 5.0 Course Hours: 70.0

Equivalent Course(s): ENGE 120

You will describe basic electronic principles and verify Ohm's Law and power equations. You will apply these principles and equations in analyzing and troubleshooting series, parallel and series-parallel circuits. You will gain practical experience using multi-meters and power supplies.

ELEC 143 Passive DC Circuits 2

Credit Units: 5.0 Course Hours: 70.0

Equivalent Course(s): LABS 120

You will study the principles of magnetism and electromagnetism. You will test, measure and analyze inductors, capacitors, resistive networks and transducers.

ELEC 144 Passive AC Circuits 1

Credit Units: 5.0 Course Hours: 70.0

You will interpret and analyze waveforms using complex number math. You will troubleshoot and analyze resistive-inductive (RL), resistive-capacitive (RC), and reactive (RLC) circuits. You will gain practical experience using oscilloscopes, function generators and frequency counters.

ELEC 145 Passive AC Circuits 2

Credit Units: 5.0 Course Hours: 70.0

You will test and troubleshoot transformer circuits and resonant circuits. You will analyze resistive-capacitive (RC) and resistive-inductive (RL) pulse response and resonant and passive filter response.

ELEC 148 Fundamentals of Electrical Systems

Credit Units: 6.0 Course Hours: 95.0

You will learn the fundamentals of electricity and magnetism, wiring circuits, electrical components and Ohm's Law. You will also learn how to diagnose and repair batteries, wiring circuits and electrical components.

ELEC 150 Passive Direct Current (DC) Circuits 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ELEC 142

You will describe basic electronic principles and verify Ohm's Law and power equations. You will apply these principles and equations in analyzing and troubleshooting series, parallel and series-parallel circuits. You will gain practical experience using multi-meters and power supplies.

ELEC 151 Passive Direct Current (DC) Circuits 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELEC 150*

Equivalent Course(s): ELEC 143

You will study the principles of magnetism and electromagnetism. You will test, measure and analyze inductors, capacitors, resistive networks and transducers.

ELEC 152 Passive Alternating Current (AC) Circuits 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELEC 151*

Equivalent Course(s): ELEC 144

You will interpret and analyze waveforms using complex number math. You will troubleshoot and analyze resistive-capacitive (RC), and resistive-inductive-capacitive (RLC) circuits. You will gain experience using oscilloscopes, function generators and frequency counters.

ELEC 153 Passive Alternating Current (AC) Circuits 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELEC 152*

Equivalent Course(s): ELEC 145

You will test and troubleshoot transformer and resonant circuits. You will analyze resistive-capacitive (RC) and resistive-inductive-(RL) pulse response and resonant and passive filter response.

ELEC 155 Fundamentals of Electrical Systems

Credit Units: 5.0 Course Hours: 75.0

You will learn the fundamentals of electricity and magnetism, wiring circuits, electrical components and Ohm's Law. You will also learn how to diagnose and repair batteries, wiring circuits and electrical components.

ELEC 156 Starting and Charging Circuits

Credit Units: 3.0 Course Hours: 50.0

You will study electromagnetism as it relates to starting and charging system operation. You will learn how to service and troubleshoot starting and charging systems and their components.

ELEC 157 Fundamentals of Electrical Systems

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ELEC 171

You will study fundamental principles of electricity and magnetism, wiring circuits, electrical components and Ohm's Law. You will also learn how to diagnose and repair batteries, wiring circuits and electrical components.

ELEC 158 Starting and Charging Circuits

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ELEC 157*

Equivalent Course(s): ELEC 172

You will study electromagnetism as it relates to starting and charging system operation. You will learn how to service and troubleshoot starting and charging systems and their components.

ELEC 188 Basic Electricity 1

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): ELEC 288, PHYS 224

You will be introduced to the basics of alternating current (AC) and direct current (DC) circuits and machines. You will use electrical metering devices, perform electrical calculations as well as describe the operation of transformers and electrical distribution systems.

ELEC 217 Basic Electricity

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): ELEC 279

You will be introduced to the fundamentals of direct current (DC) and alternating current (AC) measurement, circuitry (including Ohm's Law, power and series and parallel circuits) and variable frequency drives (VFD's). A laboratory program is an integral part of this course.

ELEC 279 Basic Electricity

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ELTR 182

You will explore the fundamentals of direct current (DC) and alternating current (AC) measurement and circuitry, which includes series and parallel circuits. You will also examine common associated devices used in industrial environments. A laboratory program is an integral part of this course.

ELEC 291 Basic Electricity 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ELEC 188

You will study the operation of direct current (DC) and alternating current (AC) electrical generators motors and components used for the safe distribution of electrical energy. You will calculate DC and AC system operating values.

ELEC 296 Electrical Basics

Credit Units: 4.0 Course Hours: 60.0

You will focus on basic electrical theory, including electron theory, Ohm's Law, Watt's Law and the laws of series and parallel circuits. The course content includes battery operation and servicing. You will use multi-meters to explore electrical circuit operation to perform basic diagnostics.

ELEC 298 Electrical Starting and Charging Components

Credit Units: 2.0 Course Hours: 30.0

You will focus on the fundamentals of electrical starting and charging components found on agricultural equipment. You will learn the principles of electrical charging and starting systems. You will explore each of these system components and perform diagnostics.

ELEC 299 Electrical System Diagnostics

Credit Units: 2.0 Course Hours: 30.0

You will focus on the diagnosis and testing of electrical systems on agricultural equipment. You will interpret schematic system diagrams to diagnose and repair electrical circuits and systems.

ELTR 113 Electronic Telecommunication Principles 1

Credit Units: 4.0 Course Hours: 60.0

You will become familiar with the relationship between spectrum bandwidth and information. You will also learn special techniques and coded digital communications.

ELTR 122 Digital 1

Credit Units: 2.0 Course Hours: 36.0

Prerequisite(s): ELEC 136, MATH 384

You will be introduced to the basic principles of digital logic and use Boolean algebra to describe electronic logic circuits. You will analyze the role of flip-flops in counter and register circuits as well as learn the characteristics of commonly used logic families. Your studies will include using computer software to design and simulate circuits, and hands-on work to build and test circuits.

ELTR 123 Digital 2

Credit Units: 1.0 Course Hours: 20.0

Prerequisite(s): ELTR 122

Building on the knowledge acquired in ELTR 122 (Digital 1), you will study various digital integrated circuit families and continue the study of Programmable Logic Devices (PLDs). You will develop PLD software to satisfy design requirements. You will learn how to design a digital system using state machine methodology and interface analog and digital circuits. You will program a microprocessor using a development system, use software to design and simulate circuits, and use hardware to build and test the actual circuits.

ELTR 124 Analog Devices 1

Credit Units: 9.0 Course Hours: 140.0

You will be introduced to the operation of basic diode circuits (including the analysis of unregulated power supplies). You will investigate the operation of bipolar junction transistors (BJTs) and field effect transistors (FETs). You will study the DC operation of transistor amplifiers and switching circuits.

ELTR 125 Analog Devices 2

Credit Units: 2.0 Course Hours: 30.0

You will study the AC operation of transistor amplifiers and diode signal conditioning circuits. You will also receive an introduction to the operational amplifier (op-amp), its applications and specifications.

ELTR 126 Industrial Electronics

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ELEC 137, PHYS 100

You will be introduced to the operation of electric machines and controls. You will learn the operating principles of solenoids, relays, stepper motors, and AC & DC motors and controls. Your studies will be a combination of theory and labs to provide a solid grounding in these topics.

ELTR 127 Power Electronics

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): ELTR 124

You will be introduced to the operation of voltage regulators, thyristors, opto-electronic devices and transistor switching. You will construct circuits using regulators, thyristors, opto-electronic devices and transistors.

ELTR 128 Data Communications

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): MICR 106, ELTR 129*

You will study electronic data, voice and video communication technology. Serial, local area network (LAN) and wide area network (WAN) standards for data communication will be emphasized.

ELTR 129 Radio Communications

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): CIRC 103

You will study radio communications technology. Amplitude and angle modulation techniques used in wireless communications will be emphasized. You will also construct and evaluate communication system circuits for broadcast radio and wireless communications.

ELTR 130 Active Components and Circuits 1

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): ELEC 145

Equivalent Course(s): ELTR 124, ELTR 153

You will study linear and switching power supplies and the bipolar junction transistor (BJT). You will troubleshoot power supplies and their components, including rectifier diodes, filters and integrated circuit (IC) regulators. You will study BJT biasing and operation.

ELTR 131 Active Components and Circuits 2

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ELTR 154

You will troubleshoot bipolar junction transistors (BJTs), field effect transistors (FETs), and related amplifier circuits. You will use thyristors and optoelectronic devices and identify faulty semiconductor devices.

ELTR 132 Linear Integrated Circuits

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ELTR 125

Your studies will focus on amplifier and oscillator circuits. You will study the decibel, amplifier classes, op-amp circuits, sinusoidal oscillators and integrated circuit (IC) timers and apply troubleshooting techniques to these circuits.

ELTR 133 Digital Integrated Circuits 1

Credit Units: 5.0 Course Hours: 75.0

Equivalent Course(s): ELTR 122

You will use and convert arithmetic operations in various number systems. You will test basic logic circuits and basic digital logic devices. Your studies will include analyzing and troubleshooting combinational and sequential logic circuits.

ELTR 134 Digital Integrated Circuits 2

Credit Units: 5.0 Course Hours: 75.0

Equivalent Course(s): ELTR 123

You will analyze and troubleshoot encoder and decoder circuits. You will build and analyze a digital to analog converter circuit and an analog to digital converter circuit. Your studies will include programming a programmable logic device and a microprocessor.

ELTR 135 Active Components and Circuits

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ELEC 153*

Equivalent Course(s): ELTR 130

You will define regular and special diodes and their usage. You will describe and test transistor circuits. You will build operational amplifier circuits. You will apply techniques to troubleshoot integrated circuit (IC) timer and power supply circuits. You will describe coupling techniques used in communications systems. Your studies will help you identify common techniques used in signal amplification.

ELTR 136 Active Components and Circuits 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ELTR 135*

Your studies will focus on amplifiers and circuits. You will sudy the decibel, amplifier classes, op-amp circuits and integrated circuit (IC) timers and apply troubleshooting techniques to these circuits. You will also be introduced to specialized semiconductors.

ELTR 137 Digital Integrated Circuits 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ELEC 150

Equivalent Course(s): ELTR 133

You will use and convert arithmetic operations in various number systems. You will test basic logic circuits and basic digital logic devices. Your studies will include describing and examining combinational and sequential logic circuits and testing converted circuits.

ELTR 138 Digital Integrated Circuits 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELTR 137*

Equivalent Course(s): ELTR 134

You will examine the principles of programmable logic devices and microprocessor systems. You will write machine language programs and program a microcontroller. You will also assemble micro-controlled sensors and circuits.

ELTR 148 Electronic Communication Principles 1

Credit Units: 3.0 Course Hours: 45.0

You will study noise concepts, amplitude modulation (AM) and single sideband (SSB) communications. You will also describe the fundamentals of amplitude modulation (AM).

ELTR 149 Electronic Communication Principles 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELTR 148*

You will study describe frequency modulation (FM) transmission, generation and reception. You will use a spectrum analyzer.

ELTR 182 Electricity and Electronics 1

Credit Units: 5.0 Course Hours: 77.0

Equivalent Course(s): ELTR 120

You will study basic electricity and electronics from a functional point of view. The examination of components will be avoided in favour of a black box approach. The course content includes current and voltage (AC and DC), resistance, capacitance, inductance, Ohm's Law, series and parallel circuits, electrical power and energy, and digital electronic circuits.

ELTR 183 Aircraft Electronics and Avionics

Credit Units: 3.0 Course Hours: 45.0

You will examine electrical theory and power generation as it applies to aircraft electrical systems. You will also examine various avionics and electrical systems including EFIS. Troubleshooting electrical problems and appropriate emergency procedures will also be discussed.

ELTR 193 Industrial Electronics

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ELCT 114*

Corequisite(s): ELTR 194

You will study electric controls and electric machines by looking at the theory behind their operation. You will review the operation of relays, solenoids, alternating current (AC) and direct current (DC) motors, and motor controls. You will also study single-phase and three-phase circuits.

ELTR 194 Industrial Electronics Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELCT 115*

Corequisite(s): ELTR 193

You will study the operation of electric controls and electric machines by constructing circuits and observing their operation. You will construct circuits containing solenoids, relays, alternating current (AC) and direct current (DC) motors, and motor controls. You will also study single-phase and three-phase circuits.

ELTR 195 Power Electronics

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ELCT 114*, ELCT 115*

You will be introduced to the operation of rectifiers, voltage regulators, thyristors, opto-electronic devices and power switching circuits. You will construct circuits using rectifiers, regulators, thyristors and opto-electronic devices.

ELTR 196 Mechatronics

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): ELTR 195, ELCT 114

Using the power electronics devices, you will design and build a self-starting solar powered car model that will race against other cars on a purpose built race track.

ELTR 197 Analog Devices

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ELCT 114*, ELCT 115*

You will be introduced to discrete electronic components and their application in analog circuits. You will explore diodes, bipolar junction transistors (BJT), field effect transistors (FET), comparators and operational amplifiers (op-amps).

ELTR 198 Troubleshooting

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): ELTR 197, ELCT 114

You will develop a structured approach to troubleshooting electronic circuits. Analog circuits and applications are emphasized.

ELTR 200 Introduction to Communication Systems

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELTR 198

You will learn about the fundamental principles that apply to various communication systems. Noise, transmission lines, and Fourier series are explored during this course.

ELTR 201 Data Communications

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ELTR 200

Corequisite(s): ELTR 202

You will study electronic data, voice and video communication technology. Serial, local area network (LAN) and wide area network (WAN) standards for data communication are emphasized.

ELTR 202 Data Communications Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELTR 200

Corequisite(s): ELTR 201

You will use electronic data, voice and video communication technology. You will use serial, local area network (LAN) and wide area network (WAN) standards for data communications.

ELTR 203 Radio Communications

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ELTR 200

Corequisite(s): ELTR 204

You will study radio frequency (RF) communications technology. Common modulation techniques used in wireless communications will be analyzed.

ELTR 204 Radio Communications Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELTR 200

Corequisite(s): ELTR 203

You will construct and test radio frequency (RF) communications circuits using common RF test equipment. Through hands on experiments you will learn how to evaluate and troubleshoot RF circuits, components and systems.

ELTR 221 Semi-Conductor Electronics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENGE 120, LABS 120, MAT 110

Your studies will focus on semiconductor diodes and bipolar transistors. You will examine several diode circuits and applications as well as analyze Bipolar-Junction Transistor (BJT) amplifier circuits.

ELTR 223 Industrial Power Electronics 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELTR 221

Corequisite(s): LABS 224

You will study Field Effect Transistors (FETS) and operational amplifier circuits. You will analyze the characteristics Junction Field Effect Transistor (JFETS) and Metal Oxide Silicon Field Effect Transistors (MOSFET). You will also study the passive and active filters as well as feedback and relaxation oscillators.

ELTR 228 Industrial Power Electronics 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ELTR 221, ELTR 223, DSGN 225

Corequisite(s): LABS 227

You will study the characteristics and operations of a wide range of power electronics devices and systems. You will study variable frequency drive (VFD)s, uninterruptable power supply (UPS) and high voltage direct current (HVDC) systems.

ELTR 287 Information Technology (IT) Essentials

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): COHS 190

You will examine computer components, system integration, operating systems, and basic networking and security. You will assemble components and install an operating system to create a working computer system. You will troubleshoot failed computer systems. You will select components to build a computer system for specific user requirements. You will examine preventative maintenance techniques, printers, mobile devices, cloud and virtualization.

ELTR 289 Electricity and Electronics 2

Credit Units: 5.0 Course Hours: 77.0

Prerequisite(s): ELTR 182

Building on the skills you developed in ELTR 182 (Electricity and Electronics 1), you will receive a general overview of electrical applications. The course content includes the power supply, transformers, AC and DC motors, electromagnetic and electronic control device symbols, basic PLC programming symbols and variable speed drives. You will be introduced to some basic automation ideas with respect to industrial plant control.

EMER 105 Advanced Respiratory Management

Credit Units: 5.0 Course Hours: 76.0

Prerequisite(s): EMER 158*, PATH 100*

Based on analysis of common medical and laboratory data, you will provide care for adult patients with respiratory emergencies. You will develop advanced diagnostic skills and therapies including endotracheal intubation, surgical airways, alternate medication routes and mechanical ventilation.

EMER 106 Interpersonal Communications and Patient Assessment

Credit Units: 1.0 Course Hours: 21.0

You will study aspects of interpersonal communications including verbal, non-verbal, and emotional patient responses. Building on your basic interviewing and assessment skills, you will develop advanced assessment skills, including patient acuity rating scales.

EMER 107 Professionalism, Leadership, and Communications

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): COMM 107

Your studies will help you to develop qualities that are important for paramedic practice (professionalism, leadership, reflection and communication). You will gain knowledge of legal and ethical aspects of paramedic practice, develop your communication skills (including conflict management) and learn the principles of critical thinking. You will also evaluate the importance of participation in continuing education and professional development. You will gain knowledge regarding ethical conduct for research involving humans and will receive the Tri-Council Policy Statement: Course on Research Ethics (TCPS 2: CORE) certification upon completion of the course.

EMER 108 Health and Safety

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): SFTY 135

You will learn how to develop strategies for maintaining a healthy lifestyle. Your studies will focus on personal wellness, maintaining a safe work environment, using infection control techniques and practicing proper lifting and moving techniques. You will also learn how to manage a variety of situations, including crime scenes, hazardous materials, and potential terrorist actions.

EMER 109 Patient Assessment, Transport, and Diverse Populations

Credit Units: 4.0 Course Hours: 60.0

You will learn how to perform a scene assessment, obtain a patient history, acquire vital signs, perform a physical examination and incorporate this knowledge into a complete patient assessment. You will describe common challenges associated with bariatric and culturally diverse patients. You will be introduced to the principles of road ambulance and aeromedical transport. You will also be required to operate an ambulance on a public roadway. Upon completion of the course, you will receive certification from the Saskatchewan Safety Council for Professional Driver Improvement.

EMER 110 Cardiac and Respiratory Theory

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): APHY 164, APHY 165, EMER 109, PHAR 100, EMER 107, EMER 108

You will learn the pathophysiology of common cardiac and respiratory disorders. Your learning activities will include 3-lead electrocardiogram interpretation, 12-lead electrocardiogram placement, continuous positive airway pressure (CPAP), and end-tidal carbon dioxide monitoring.

EMER 111 Cardiac Care

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EMER 110*

Equivalent Course(s): EMER 101

You will provide care for common cardiac disorders, including vascular diseases, cardiac inflammatory disorders, acute coronary syndromes, heart failure, cardiac conduction disorders and cardiac arrest. You will integrate cardiac assessment, electrocardiograms (ECG) interpretation, and manual defibrillation into patient care. You also will be introduced to advanced cardiac therapies (including transcutaneous pacing and cardioversion). Upon completion of this course you will receive Basic Life Support for Health Care Provider's certification from the Heart and Stroke Foundation.

EMER 112 Respiratory Care

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): EMER 110*

Equivalent Course(s): EMER 102

You will provide care for common respiratory disorders, including asthma, anaphylaxis, pneumonia and respiratory failure. Your learning activities will include oxygen delivery, maintaining upper airway patency and manual ventilation techniques. You will be introduced to advanced respiratory support therapies, including advanced airway management and ventilation techniques.

EMER 113 Trauma Management 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 164, APHY 165, EMER 107, EMER 108, EMER 109, PHAR 100

You will be introduced to the assessment and management of shock, burns, fractures and soft tissue injuries. You will also be introduced to the skills necessary in assessing and managing head and facial, thoracic, abdominal and spinal injuries. You will learn the principles of extrication and rescue as well as how to integrate triage and multiple patient management into paramedic practice.

EMER 114 Trauma Management 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EMER 113

You will learn how to provide care for common traumatic injuries. You will demonstrate the assessment and management of shock, burns, fractures and soft tissue injuries. You will also learn to incorporate the skills necessary to assess and manage head, facial, thoracic, abdominal and spinal injuries. You will be introduced to advanced life support therapies relevant to trauma (including indications for chest tubes and needle thoracostomy). Upon completion of this course you will receive certification in International Trauma Life Support (ITLS) at the basic level.

EMER 115 Medical Care 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): APHY 164, APHY 165, EMER 107, EMER 108, EMER 109, PHAR 100

You will learn how to provide care for common medical disorders, including gastrointestinal, genitourinary, reproductive, gynecological and obstetrical disorders. You will also learn how to provide care for neonatal and pediatric patients. Upon completion of this course you will receive certification in Pediatric Education for Prehospital Professional (PEPP).

EMER 116 Foundations of Community Paramedicine

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 164, APHY 165, EMER 109, PHAR 100, EMER 107, EMER 108

You will study the collaborative role of the community paramedic and recognize the significance of utilizing community support agencies. You will be introduced to common laboratory procedures and diagnostic imaging and how to differentiate between normal and abnormal results. You will develop the skills required to provide non-urgent care to a home health patient (including catheter care and routine wound care) as well as integrate care for a palliative patient. You will also integrate care for common illnesses and injuries specific to geriatric population groups.

EMER 117 Introduction to Advanced Care Paramedic

Credit Units: 4.0 Course Hours: 60.0

You will refine primary care paramedic assessments, skills and treatment plans as you prepare for advanced life support knowledge, skills and abilities. You will also learn student success strategies.

EMER 118 Advanced Respiratory Care

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): BIOL 103, APHY 170, PHAR 103, PATH 100*

Corequisite(s): EMER 119

You will provide care for adult patients with respiratory emergencies, based on analysis of respiratory assessment findings, including laboratory data.

EMER 119 Advanced Airway Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BIOL 103, APHY 170, PHAR 103

Corequisite(s): EMER 118

You will develop advanced airway skills including endotracheal intubation, surgical airways, foreign body removal, and tracheal suctioning. You will also perform emergency tracheostomy care and mechanical ventilation. Upon completion, you will receive certification in Difficult Airway Course.

EMER 120 Reflective Practitioner Project

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): TCOM 102

Your studies will focus on self-reflection and research in paramedic practice. You will learn strategies to self-reflect and explore lifelong learning. You will also interpret medical literature and its relevance to paramedic practice.

EMER 121 Advanced Cardiac Care

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): BIOL 103, APHY 170, PHAR 103, PATH 100*

You will study advanced cardiac diagnostics including 12-lead electrocardiogram (ECG) analysis and cardiac specific laboratory data. You will provide advanced cardiac life support (including electrical therapies) to patients based on information gathered from advanced assessments. Upon completion, you will receive certification in Advanced Cardiac Life Support (ACLS).

EMER 155 Patient Management and Integration

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): EMER 111, EMER 112, EMER 114, EMER 115, EMER 116, EMER 198, EMER 199

You will integrate communication, professionalism, leadership, knowledge of medicolegal, ethics and physical strength into paramedic practice. You will integrate approach, assessment, treatment and transport for patients in a simulated setting. You will integrate care following Saskatchewan Paramedic Clinical Practice Protocols. You will also think critically while interpreting patient history and physical assessment as it relates to a patient presentation.

EMER 158 Transition to Advanced Care Paramedic

Credit Units: 3.0 Course Hours: 50.0

Your studies will focus on foundational communication, leadership, regulatory, and professional elements of paramedic practice. You will refine primary care paramedic assessments, skills and treatment plans as you prepare for advanced life support knowledge, skills and abilities.

EMER 159 Patient Management and Integration 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): EMER 118, EMER 119, EMER 121, EMER 175, LEAD 100, PATH 100

You will demonstrate leadership and professionalism while providing care in the prehospital management of simulated patients. You will also integrate knowledge of the Saskatchewan paramedic scope of practice.

EMER 175 Medical 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): APHY 170, BIOL 103, PATH 100*, PHAR 103

Your studies will focus on adult patients presenting with common medical emergencies. You will provide advanced life support to patients with neurological, immune and endocrine system illness as well as those exposed to adverse environments.

EMER 178 Advanced Cardiac Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EMER 158*, PATH 100*

You will study advanced cardiac diagnostics including 12-lead electrocardiogram analysis. You will provide advanced cardiac life support (including electrical therapies) to patients based on information gathered from advanced assessments. You will become certified in Advanced Cardiac Life Support.

EMER 180 Field Practicum

Credit Units: 13.0 Course Hours: 200.0

Prerequisite(s): ANAT 167, EMER 158, EMER 159, EMER 175, EMER 176, EMER 177, EMER 178, FTNS 162, LEAD 160, MICR 160, PHAR 161, PHAR 162, PHAR 168

You will participate in a supervised pre-hospital field experience. An advanced care paramedic preceptor will evaluate theory and skill sets studied in Semester 1. You will function under the scope of practice as defined by the Saskatchewan Health Emergency Treatment Protocols.

EMER 181 Clinical Practicum

Credit Units: 13.0 Course Hours: 196.0

Prerequisite(s): ANAT 167, EMER 158, EMER 159, EMER 175, EMER 176, EMER 177, EMER 178, FTNS 162, LEAD 160, MICR 160, PHAR 161, PHAR 162, PHAR 168

You will participate in a supervised clinical experience in specialized areas of a health care facility. Health care professionals will evaluate your assessment, management and communication skills. You will function according to health care facility policy and advanced care paramedic scope of practice. Clinical areas include emergency department, operating room and coronary care.

EMER 198 Medical Care 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 164, APHY 165, EMER 107, EMER 108, EMER 109, PHAR 100

You will integrate care for common medical disorders, including, neurological, behavioral and psychiatric, endocrine and toxicological disorders.

EMER 199 Medical Care 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 164, APHY 165, EMER 107, EMER 108, EMER 109, PHAR 100

Equivalent Course(s): EMER 171

You will study the pathophysiology and learn to integrate care for common medical disorders including eye, ear, nose and throat disorders. You will study the pathophysiology and integrate care for a patient experiencing disorders as a result of adverse environments. You will integrate care for common illnesses and injuries specific to the physically impaired and mentally impaired, including those that are non-urgent. Upon completion of this course you will receive certification in Gentle Persuasive Approach (GPA).

EMER 200 Specialized Therapeutics

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): EMER 159

You will study advanced wound care and drainage systems. You will also interpret data from indwelling vascular devices.

EMER 201 Obstetrics and Neonatal Care

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EMER 159, PATH 200*

You will study pregnancy from conception to birth. You will learn to recognize complications and provide care for obstetrical emergencies. You will study neonatal illnesses and injuries as well as advanced treatment modalities. Upon completion, you will receive certification in Neonatal Resuscitation Procedures (NRP).

EMER 202 Medical 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): EMER 159, PATH 200*

Your studies will focus on adult patients presenting with common medical emergencies. You will perform assessments, including the interpretation of medical specific laboratory data. You will provide advanced life support to palliative and psychiatric patients, and those experiencing illness due to a toxicological syndrome. You will also provide care to patients that have non-urgent medical complaint and patients that experience conditions that impact physical and cognitive ability. Upon completion, you will receive certification in Learning Essential Approaches to Palliative Care (LEAP) Paramedic.

EMER 203 Medical 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EMER 159, PATH 200*

Your studies will focus on adult patients presenting with common medical emergencies. You will develop the advanced skills to manage drainage systems and perform urinalysis. You will provide advanced life support to patients with gastrointestinal, genitourinary conditions and those experiencing illness or injury to the eyes, ears, nose, and throat. You will also provide care to geriatric patients. Upon completion, you will receive certification in Gentle Persuasive Approach (GPA).

EMER 204 Pediatric Care

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): EMER 159

You will study pediatric illnesses and injuries as well as advanced treatment modalities. You will become certified in Pediatric Advanced Life Support (PALS) and Pediatric Trauma Life Support (PITLS).

EMER 205 Advanced Trauma Care

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EMER 159, PATH 200*

You will develop advanced trauma assessment skills and apply advanced life support treatments in trauma emergencies. You will also study common diagnostic testing as it pertains to the trauma patient. Upon completion, you will receive certification in International Trauma Life Support (ITLS)-Advanced.

EMER 262 Medical 2

Credit Units: 3.0 Course Hours: 39.0

Prerequisite(s): EMER 159, PATH 200*

Building on your knowledge from Medical 1 (EMER 175), you will provide advanced life support to adult patients with gastrointestinal; reproductive; genitourinary; and eyes, ears, nose and throat illnesses as well as those patients experiencing illness due to poisoning and overdose.

EMER 270 Advanced Trauma Management

Credit Units: 3.0 Course Hours: 43.0

Prerequisite(s): EMER 159, PATH 200*

Building on your patient assessment skills, you will develop advanced assessments and apply advanced life support treatments in trauma emergencies. You will become certified in International Trauma Life Support (ITLS)-Advanced.

EMER 279 Diverse Population Groups

Credit Units: 2.0 Course Hours: 34.0

Prerequisite(s): EMER 159, PATH 200*

Your studies will focus on individuals with diverse medical needs including cancer patients, geriatric patients and patients with conditions impacting physical and cognitive abilities. You will learn how to implement emergency care for patients while addressing their diverse healthcare needs. You will also become certified in Geriatric Education for Emergency Medical Services (GEMS).

EMER 281 Patient Management and Integration 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): EMER 201, EMER 202, EMER 203, EMER 204, EMER 205, PATH 200

You will demonstrate leadership and professionalism while integrating theory and skills in the prehospital management of simulated patients. You will prepare a plan for continuing professional development. You will also integrate knowledge of Saskatchewan paramedic scope of practice. You will demonstrate physical strength and fitness consistent with requirements of paramedic practice.

EMPL 1001 SaskPoly Employment Readiness Program

Credit Units: 0.0 Course Hours: 200.0

This course will focus on essential and employability skills for the workplace. Simulation training will be used to enhance workplace skill development.

EMPL 1010 Way to Work

Credit Units: 0.0 Course Hours: n/a

Assists learners with intellectual and/or other disabilities to develop skills and strategies to gain and maintain supported and/or non-supported employment

EMPL 1011 Living Skills

Credit Units: 0.0 Course Hours: n/a

Assists learners with intellectual and/or other disabilities to develop skills and strategies to gain and maintain supported and/or non-supported employment

EMPL 1015 Literacy for Employment

Credit Units: 0.0 Course Hours: n/a

Assists people to develop literacy and employment readiness skills needed to gain employment

EMPL 1025 WorkSmart Employment Readiness

Credit Units: 0.0 Course Hours: n/a

Assist people to develop skills and strategies to acquire and maintain employment.

EMPL 1614 Employment Bound

Credit Units: 0.0 Course Hours: 300.0

This course is designed to help students and employers to develop essential skills job profiles and bridge the gaps for students. To also provide career services and skills training.

EMPL 1615 Partners for Success

Credit Units: 0.0 Course Hours: 100.0

The "Partners for Success" project is a collaborative and unique partnership initiative with Regina Treaty/Status Indian Services (RT/SIS) and the First Nations Employment Centre (FNEC). The "Partners for Success" project partnership is committed to engaging low literacy adults (Level One and Two Literacy benchmarks) within a community, strengths-based learning environment. Specifically, the "Partners for Success" project integrates the components of workplace/essential skills with employment exploration opportunities utilizing "The Circle of Learning" philosophy as its guiding framework.

EMPL 180 Employability Skills

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): COM 103, COM 105, COMM 292, EMPS 105

You will receive instruction and practice in written communication skills needed in the workplace. You will develop effective job search strategies, with emphasis on communicating a professional image through job search materials and interview skills.

EMPL 180CE Employability Skills

Credit Units: 3.0 Course Hours: n/a

You will receive instruction and practice in written communication skills needed in the workplace. You will develop effective job search strategies, with emphasis on communicating a professional image through job search materials and interview skills.

EMPS 108 Workplace Wellness

Credit Units: 3.0 Course Hours: 45.0

You will examine the concepts of wellness and healthy lifestyles as they apply to a workplace setting. Your studies will include information on workplace stress and strategies for stress management. Your studies will also include elements of occupational health and safety issues common to dispatch personnel.

EMPS 109 Work Preparation For Resource Managers

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): WORK 126

You will study how to conduct job searches. You will prepare a professional job application package and prepare for interviews in the natural resource field.

EMPS 200 Career Management

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MULT 124, PHOT 224, (VDEO 204 or VDEO 205 or VDEO 206)

You will design your resume and portfolio to feature the skills for successful employment. Your studies will involve practicing valuable employee traits, discussing social media marketing techniques, and learning best practices when creating social media interactions for your profession.

EMPS 201 Portfolio Design and Presentation

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MKTG 202

An effective portfolio containing a comprehensive selection of your best work is essential. You will discuss the types of portfolios and learn what is necessary to include in a portfolio. You will be expected to produce a strong portfolio. You will have the opportunity to receive feedback on your work through peer and instructor critiques.

EMPS 240 Workplace Wellness

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): SFTY 103

You will examine various topics and practices relating to maintaining workplace safety in a public safety work environment. You will follow a fitness routine in preparation for the physical demands of working in a public safety environment.

ENG 100 Applied Theory of Structures

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PHYS 104, MAT 110

You will solve problems involving work, equilibrium of cantilevers, beams, trusses, and frames. Your studies will include a basic understanding of how simple beams, frames, and trusses will respond from externally applied forces.

ENG 192 Strength of Materials

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): ENGM 191

Your studies will focus on the relationship between external applied loads and the induced internal stresses in various structural members. You will discuss design and analysis techniques of axial and torsionally loaded members, beams, columns and joints. You will also investigate how materials behave under complex stress states.

ENG 200 Applied Fluid Mechanics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENG 100

You will apply the principles of the steady flow energy equation. You will study buoyancy, forces acting on submerged objects, pipe sizing, and pump selection. You will determine pumping requirements for series piping systems by manual calculation and numerical simulation.

ENG 201 Applied Mechanics of Materials

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENG 100

You will study the concepts of stress and strain and properties and behaviors of various materials. You will use manual calculations and perform numerical simulation to determine stress and deformation resulting from axial loads, direct shear and torsional loads, shear force and bending moment diagrams, as well as bending and transverse shear stress. You will be introduced to basic concepts related to various jointed connections.

ENG 202 Steel Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENG 201

Equivalent Course(s): STRU 200

You will study Canadian codes and standards in the design of basic steel structures. You will calculate loads using limit states principles in the design of steel members. You will also design steel beams and columns, and detail basic steel connections.

ENG 203 Concrete and Timber Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENG 201

Equivalent Course(s): STRU 201

You will study Canadian codes and standards in the design of timber and concrete members. You will calculate loads using limit states principles in the design of timber and concrete members. You will detail timber connections, and detail concrete beams and footings.

ENG 291 Concurrent Engineering 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MTRX 101, MTRX 102, MANU 290, MANU 201

Corequisite(s): DSGN 282, MANU 202, PROJ 287

You will create a design from concept to a finished product. As part of the engineering design process, you will integrate a business case, evaluate design concepts, and develop product specifications for your target market. You will concurrently evaluate and refine the design, produce design documentation, and perform design for manufacturing and assembly of the product.

ENG 292 Finite Element Modeling

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CAD 105, ENGM 101, ENGM 180, COMP 113

You will use Finite Element Method (FEM) software to apply several programs to the solution of typical analysis problems. You will examine the power and limitations of FEM by comparing computer-produced results with experimentally derived data and alternative classical methods of stress analysis.

ENG 300 Industrial Building Mechanical Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENG 200, ENG 201

Equivalent Course(s): MECH 210

You will apply codes and standards related to the design and selection of storage tanks, pumps, and boilers. You will study how to analyze and apply process flow to mechanical equipment based on your preliminary design and system layouts. You will also study how to select and design complementary elements including pipe supports, walkways, and stairs in an industrial setting.

ENGE 100 Troubleshooting and Safety

Credit Units: 2.0 Course Hours: 32.0

Corequisite(s): ENGE 121, LABS 123

You will focus on troubleshooting techniques that apply to many situations and occupations. You will use computer simulation software to draw, simulate, and create "what if" scenarios for electrical circuits. You will be introduced to various environment and safety regulations.

ENGE 101 Power Systems Transmission

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on electrical apparatus. You will explore the transformers including grounding and gauge protection, breakers and fuses, as well motor and manual isolators among other topics.

ENGE 102 Power Systems Transmission: Switch Yard and Substation Design

Credit Units: 3.0 Course Hours: 45.0

Your studies will include switchyard design principles and layout as well as substation design principles and station drawing interpretation. Busbars, ground grids and standards will be examined.

ENGE 103 Power Systems Transmission: Construction and Installation

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on apparatus construction and installation. You will interpret processes and determine sequencing.

ENGE 104 Power Systems Transmission: Troubleshooting Power Systems

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on preventive maintenance and troubleshooting apparatus. You will learn how to safely troubleshoot problems under emergent conditions.

ENGE 105 Batteries

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on batteries. You will explore battery maintenance and influence on performance and control. You will also perform battery tests and examine back up power systems.

ENGE 106 Relaying and Protection

Credit Units: 3.0 Course Hours: 45.0

You will study the methods of modern power system relay protection as it pertains to electrical transmission and distribution systems as well as transformers. Your studies will include analyzing basic relaying practices and requirements as they relate to mechanical and computerized relays and interrupting devices.

ENGE 107 Semiconductor Electronics

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGE 120, LABS 120

You will analyze the characteristics of semiconductor diodes, bipolar transistors, field effect transistors (FET's) and thyristors. You will operate these devices to design and analyze practical analog circuits. You will apply mathematical calculations, computer simulation and laboratory experimentation to evaluate circuits.

ENGE 120 Basic Electricity

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): LABS 120*, MAT 110*

Equivalent Course(s): ENGE 121

You will study electrical concepts, electrical quantities, units of measurement, resistance, and types of electrical circuits. You will examine Ohms law, Kirchhoff current and voltage laws, network theorems and specific circuit analysis techniques, as well as analyze transient responses in Resistive-Capacitive (RC) and Resistive-Inductive (RL) networks.

ENGE 121 Basic Electricity

Credit Units: 6.0 Course Hours: 96.0

Corequisite(s): LABS 123

Equivalent Course(s): ENGE 120

Your studies will focus on the principles of DC circuits. You will study electricity, current, voltage and resistance; Ohm's Law, power and energy; series-parallel circuits, capacitance and inductance; R-C and R-L circuits. Circuit analysis techniques will be stressed throughout the course.

ENGE 200 Alternating Current (AC) Basic Electricity

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGE 120, LABS 120, MAT 110

You will analyze the principles and methods of alternating current (AC) circuits. You will evaluate AC voltage and current phasors, reactance, series-parallel circuits, impedance, networks, AC power resonance, and decibel ratios.

ENGE 201 Direct Current Machines

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENGE 120, LABS 120, MAT 110, PHYS 101

Corequisite(s): LABS 200

You will study the principle of magnetism as well as the principles and characteristics of the operation and application of Direct Current (DC) generators and motors. You will investigate the construction of electrical machines. Your studies will also include an introduction to the windings used in DC electrical machines.

ENGE 202 Alternating Current Machines

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENGE 220, LABS 221, ENGE 201, LABS 200, MAT 112

Corequisite(s): LABS 201

You will study the principles, operation, and the application of various types of Alternating Current (AC) motors and AC generators. You will examine the construction and operation of induction generators and special types of motors.

ENGE 220 Alternating Current Circuits

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGE 120, LABS 120, MAT 110

Corequisite(s): LABS 221

You will learn the principles and analysis methods of Alternating Current(AC) single and three phase circuits. You will study AC voltage and current, impedance and phasor algebra and AC circuits configurations. Your studies will also include AC power, resonance and AC measuring instruments and balanced and unbalanced loads of three-phase systems.

ENGE 221 Robotics and Embedded Systems

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DGTL 110, DGTL 111, ENGE 107, COMP 112

You will study robotics in the field of embedded systems. You will study the various types of sensors and actuators and learn their characteristics, applications, and interfacing circuits. You will learn the methods of applied research. You will also apply your skills by developing a robotic device in a project.

ENGE 231 Transformers

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENGE 201, ENGE 220, LABS 221

Your studies will focus on the construction, principles, characteristics, operation, and application of various types of transformers.

ENGE 232 Power System Protection

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COAP 232, DSGN 225, INST 225

Corequisite(s): ELTR 228

You will study relaying and protection systems. You will examine numerical relays and instrument transformers. You will analyze the operation and application of various protection schemes for various power system elements. You will examine International Electrotechnical Commission (IEC) 61850 technologies and devices.

ENGL 100 Critical Reading and Writing

Credit Units: 3.0 Course Hours: 45.0

You will develop basic skills in critical analysis, effective reading and composition by analyzing and evaluating materials from various disciplines. You will also refine your understanding and practice of the structures of composition by writing a report on a topic of your choice using APA-style format.

ENGL 1001 Intro to English for Academic Purposes

Credit Units: 0.0 Course Hours: 150.0

This introductory course is designed to assist international students in advancing their English skills for admission to the English for Academic Purposes program.

ENGL 100CE Critical Reading and Writing

Credit Units: 3.0 Course Hours: n/a

You will develop basic skills in critical analysis, effective reading and composition by analyzing and evaluating materials from various disciplines. You will also refine your understanding and practice of the structures of composition by writing a report on a topic of your choice using APA-style format.

ENGL 101 Critical Reading and Writing

Credit Units: 3.0 Course Hours: 45.0

You will develop basic skills in critical analysis and effective reading by analyzing and evaluating materials from various disciplines. You will also refine your understanding and practice of the structures of composition by writing a research paper on a topic of your choice using APA-style.

ENGL 101CE Critical Reading and Writing

Credit Units: 3.0 Course Hours: n/a

You will develop basic skills in critical analysis and effective reading by analyzing and evaluating materials from various disciplines. You will also refine your understanding and practice of the structures of composition by writing a research paper on a topic of your choice using APA-style.

ENGL 102 Literature Survey

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENGL 101

You will produce high quality, argumentative essays based on Saskatchewan literature. You will analyze and discuss literary works from Saskatchewan authors, issues that have affected Saskatchewan both in the past and present, and write about Saskatchewan-based topics. You will research Saskatchewan-based topics and issues and apply that knowledge in our analysis of the course material. In addition to analyzing course texts, you will learn to recognize logical fallacies and create logical arguments on various topics throughout the course in order to create contentious thesis statements and supportive material.

ENGL 1201 IELTS 6.5

Credit Units: 0.0 Course Hours: 300.0

International English Language Testing Score (IELTS) - testing to Level of 6.5

ENGL 1605 English for Post-Secondary Success 4.0

Credit Units: 0.0 Course Hours: 500.0

You must be tested to determine placement in English courses. Your English language skills (listening, speaking, reading, writing) will be developed to IELTS band 4.0.

ENGL 1606 English for Post-Secondary Success 5.0

Credit Units: 0.0 Course Hours: 500.0

English language skills (reading, writing, listening, speaking) developed to IELTS band 5.5

ENGL 1607 English for Post-Secondary Success 5.5

Credit Units: 0.0 Course Hours: 500.0

You must be tested to determine placement in English courses. Your English language skills (reading, writing, listening, speaking) will be developed to IELTS band 5.5.

ENGL 1608 English for Post-Secondary Success 6.0

Credit Units: 0.0 Course Hours: 500.0

You must be tested to determine placement in English courses. English language skills (listening, speaking, reading, writing) will be developed to IELTS band 6.0.

 Please contact the Language Centre at 306-775-7601 or tayyaba.khurshid@saskpolytech.ca for more information.

 Course availability subject to enrollment.

ENGL 1610 English for Post-Secondary Success 7.0

Credit Units: 0.0 Course Hours: 500.0

You must be tested to determine placement in English courses. Your English language skills (listening, speaking, reading, writing) will be developed to IELTS band 7.0.

ENGL 1611 EPSS 7.5

Credit Units: 0.0 Course Hours: 500.0

You must be tested to determine placement in English courses. Your English language skills (reading, writing, listening, speaking) will be developed to IELTS band 7.5.

ENGL 1620 English for Success Level 1

Credit Units: 0.0 Course Hours: 300.0

Students will develop the language skills necessary to move from IELTS 5.5 to IELTS 6.0 (or equivalents) during this 300 hour course (15 weeks, 20 hours per week). Students will develop the 4 skill areas of reading, writing, listening and speaking with language from topics in the following areas: 1. Understanding Canadian culture - holidays, customs, dress/appearance, eating habits, blended families, time bound culture, etc. 2. Understanding industry specific culture – dress, policies, safety, language, mannerisms, protocols, confidentiality, etc. 3. Understanding employment culture – labour laws, punctuality, management structure, initiative, conflict resolution, team work, religious beliefs, etc. 4. Applying post secondary success techniques – independent thought, time management, asking for help, speaking up, understanding feedback, classroom etiquette, reading between the lines, academic integrity, classroom participation, etc.

ENGL 1621 English for Success Level 2

Credit Units: 0.0 Course Hours: 300.0

Students will advance from IELTS 6.0 to IELTS 6.5 (or equivalents) during this 300 hour course (15 weeks, 20 hours per week) by developing more advanced reading, writing, listening and speaking skills through the use of language in the topics introduced in English for Success Level 1: 1. Understanding Canadian culture 2. Understanding industry specific culture 3. Understanding employment culture 4. Applying post secondary success techniques.

ENGL 1800 EAL Community Access

Credit Units: 0.0 Course Hours: 32.0

EAL Community Access develops English language skills for adults in the areas of speaking, listening, reading and writing.

ENGM 100 Applied Mechanics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MAT 110

Equivalent Course(s): PHYS 102

You will learn the basic principles of statics. You will apply statics principles to solve various scenarios.

ENGM 101 Strength of Materials

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGM 191, ENGM 180*

Equivalent Course(s): ENG 192, ENGM 289

You will study the relationship between the external applied loads and the induced internal stresses in various structural members. You will also learn design and analysis techniques of axially loaded members, and beams. You will learn design and analysis techniques for torsionally loaded members, columns and pressure vessels. You will consider the impact of multiple loading situations on the stress of structural members.

ENGM 180 Materials of Engineering

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGM 191, ENGM 101*

Equivalent Course(s): ENG 191, ENGM 288

You will develop a practical understanding of the fundamental structure, properties, and supplied forms of common engineering materials. The course content will assist you in the evaluation and selection of materials suitable for given design requirements. You will focus on iron and iron alloys (steels), complimented with examination of other metals / alloys (aluminum, copper, etc.), ceramics, polymers, composite and hybrid materials. You will also include areas and applications such as material corrosion, as well as non-destructive examination and material testing.

ENGM 191 Applied Mechanics: Statics

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ENGM 190, MECA 120

You will study how to use basic algebra and trigonometry to determine the forces in stationary machine and equipment members. The course content includes force systems, center of gravity, static friction and moment of inertia, and the application of these principles to engineering problems.

ENGM 191CE Applied Mechanics: Statics

Credit Units: 5.0 Course Hours: n/a

You will study how to use basic algebra and trigonometry to determine the forces in stationary machine and equipment members. The course content includes force systems, center of gravity, static friction and moment of inertia, and the application of these principles to engineering problems.

ENGM 193 Applied Mechanics - Dynamics

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGM 191

Equivalent Course(s): ENGM 290

You will focus on kinematics and kinetics. In kinematics, you will analyze the geometry of rectilinear, circular and general plane motions. In kinetics, you will analyze the forces and movements associated with motion using Newton's laws, the work-energy-power method, and the impulse-momentum method. You will learn how to solve engineering problems involving motion only and the forces causing that motion. You will analyze machine element linkages and vibrations using manual methods and computer software.

ENGM 200 Finite Element Modelling

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENGM 101, CAD 201, THER 201

You will gain experience using finite element modelling (FEM) software by applying several programs to the solution of typical analysis problems. You will develop an appreciation of the power and limitations of FEM by comparing computer-produced results with experimentally derived data and alternative classical methods of stress analysis.

ENGM 201 Mechanical Design 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGM 193, ENGM 280, MANU 200

You will examine the techniques used in design, analysis and selection of various machine components. Components you will study include shafts, belt and chain drive components, bearings, motors, couplings, gears, clutches and brakes. A capstone course activity is the design of a bulk material conveyance system.

ENGM 202 Engineering Design and Development 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CAD 201, TCOM 111

You will develop a solution to a targeted technical (mechanical engineering-centric) problem by applying a complete engineering design and development process. Starting with the development of a technical proposal and application of research findings, you shall proceed through a comprehensive design, analysis, and documentation cycle. Successful course resolution requires incorporation of multiple elements from the overall MET program curriculum.

ENGM 203 Engineering Design and Development 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENGM 202

You will construct, test, refine, and present a mechanical system or prototype.

ENGM 280 Mechanical Design 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGM 180, WELD 387, MACH 191, SHOP 186, ENGM 101

You will examine techniques used in the design, analysis, selection, and specification of various machine components. The influence of specific loading and operating conditions will be explored and accommodated. The primary system components to be examined include shafts, belt and chain drives, wire rope, bolted connections, and springs.

ENGM 281 Mechanical Design Project

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): ENGM 280

You will design a machine that is made up of several components you've previously learned to design along with other more specialized components. You will use specialized software programs as an aid in the design project.

ENGM 289 Strength of Materials

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DRFT 174, ENGM 180, ENGM 191

Equivalent Course(s): ENG 192

You will study the relationship between the external applied loads and the induced internal stresses in various structural members. You will also learn design and analysis techniques of axial and torsional loaded members, beams, columns and pressure vessels.

ENGM 290 Dynamics

Credit Units: 0.0 Course Hours: n/a

Prerequisite(s): ENG 192

Equivalent Course(s): ENGM 289

You will study dynamics theory and principles in this course. You will solve kinematics and kinetics problems using principles of relative velocity and Newton's laws of motion. You will analyze forces and motion of mechanical systems using principles of work, energy, and energy conservation. You will study the principles of momentum. You will analyze machine element linkages and vibrations using manual methods and computer software.

ENGN 113 Engine Theory

Credit Units: 1.0 Course Hours: 12.0

You will be provided with an introduction to the basic operation of two-cycle and four-cycle engines with a focus on lubricants and spark plugs.

ENGN 116 Engines

Credit Units: 4.0 Course Hours: 60.0

You will gain knowledge of engine operation and the use of precision measuring tools. You will develop skills in engine disassembly, component evaluations, measurement and reassembly procedures.

ENGN 125 Engine Systems 1

Credit Units: 3.0 Course Hours: 45.0

You will gain an understanding of the types of engines and the operation, diagnosis and repair of engine systems.

ENGN 126 Engine Systems 2

Credit Units: 4.0 Course Hours: 60.0

Your studies will help you develop skills in evaluating the operation, diagnosis and repair of engine assemblies.

ENGN 127 Engine Systems 3

Credit Units: 4.0 Course Hours: 60.0

The course focuses on the diagnosis, repair and replacement of engine assemblies.

ENGN 128 Engine Overhaul and Assessment

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on the construction and operation of the engine's internal and external components. You will inspect an operational engine and disassemble the engine in order to assess the internal components for wear and to determine serviceability. You will utilize the appropriate service manuals and specialized tools to support the manufacturer's inspection and repair process. You will inspect crankshafts, connecting rods and piston assemblies, cylinder liners, engine bearings, engine blocks and related engine accessories.

ENGN 129 Engine Overhaul and Assembly

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on the assembly of the internal and external engine components. You will assemble the engine sub-assemblies and complete the engine assembly process. You will utilize the appropriate service manuals and specialized tools to support the manufacturer's inspection and assembly process. You will develop a plan to verify the assembly steps while ensuring quality control. You will perform a post-assembly inspection of the engine prior to ignition and perform operational system checks.

ENGN 130 Diesel Engines Theory

Credit Units: 2.0 Course Hours: 30.0

You will study the theory of operation and learn how to service and maintain the diesel engine and its support systems. This includes cooling, lubrication, mechanical and electronic fuel injection (low pressure side), emission, and air induction and exhaust systems. You will study testing, diagnosing and repair and rebuilding procedures. You will also learn how to remove and install engines.

ENGN 131 Diesel Engines Shop

Credit Units: 2.0 Course Hours: 30.0

You will study the theory of operation and learn how to service and maintain the diesel engine and its support systems. This includes cooling, lubrication, mechanical and electronic fuel injection (low pressure side), emission, and air induction and exhaust systems. You will study testing, diagnosing and repair and rebuilding procedures. You will also learn how to remove and install engines.

ENGN 150 Diesel Fuel Systems

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to the diesel fuel supply systems and how they allow combustion to occur. You will inspect air induction systems, test engine compression, study high and low pressure fuel injection systems, and inspect and repair diesel fuel injectors.

ENGN 151 Engines

Credit Units: 4.0 Course Hours: 60.0

You will gain knowledge of engine operation and the use of precision measuring tools. You will develop skills in engine disassembly, component evaluations, measurement and reassembly procedures.

ENGN 180 Aircraft Engines and Instruments

Credit Units: 4.0 Course Hours: 60.0

You will study various types of aircraft engines and propellers, including piston and turbine. You will examine general maintenance procedures, including entries into aircraft journey logbooks. You will study the principles of instrument function and limitations. You will practice interpreting instrument readings.

ENGN 183 Diesel Fuel Systems

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to the diesel fuel supply systems and how they allow combustion to occur. You will inspect air induction systems, test engine compression, study high and low pressure fuel injection systems, and inspect and repair diesel fuel injectors.

ENGN 191 Engines Basics

Credit Units: 4.0 Course Hours: 60.0

You will study the basic physical principles of operation and construction of two-stroke and four-stroke engines. The course content includes cooling systems, components, and coolants. You will also study additives, lubricants, filter systems, oil analysis and safely cleaning components.

ENGN 192 Engines Fuel Systems

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to diesel fuel supply systems and how combustion occurs. You will inspect air induction systems, test engine compression, study high and low-pressure fuel injection systems, and inspect and repair diesel fuel injectors.

ENGN 199 Engines 3: Advanced

Credit Units: 0.0 Course Hours: n/a

You will focus on the construction and operation of the valve train and cylinder head components. The course content includes cylinder head overhaul, valve timing, valve adjustment, inspection of the camshaft and its bearings. Course content also includes the design, construction, operation and service methods of crankshafts, connecting rods and piston assemblies, cylinder liners, engine bearings, engine blocks and related engine accessories. You will also gain knowledge of onboard computer systems used in the Agricultural machinery trade. You will use these computer systems to monitor machine operation and perform diagnostic tests.

ENGP 100 Heating Systems 1

Credit Units: 2.0 Course Hours: 25.0

You will receive an introduction to heating boiler terminology, design, operation and government regulations. You will also learn about the controls for steam and hot water heating boilers.

ENGP 101 Heating Systems 2

Credit Units: 1.0 Course Hours: 20.0

Prerequisite(s): ENGP 100*

Building on the knowledge gained in ENGP 100 (Heating Systems 1), you will study the various types of heating systems. You will learn the importance of building ventilation. You will also study auxiliary building systems.

ENGP 103 Legislation and Codes

Credit Units: 2.0 Course Hours: 30.0

You will learn about the Power Engineering profession. You will review the various provincial, Canadian and American Society of Mechanical Engineers (ASME) legislation and codes related to the construction and operation of boilers, pressure vessels and refrigeration plants.

ENGP 104 Advanced Power Lab

Credit Units: 3.0 Course Hours: 50.0

Prerequisite(s): ENGP 180

Building on the skills you developed in ENGP 180 (Power Lab 1), you will operate boilers, pumps and take water tests in a functioning lab. The lab will allow you to bring all of your previously learned theory and skills together in order to validate your knowledge and operating skills.

ENGP 106 Power Lab 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGP 107

You will practice workplace safety. You will perform boiler inspection and maintenance in accordance to provincial codes and regulations. You will test the interlock for the boilers. You will perform water tests. You will interpret combustion and draft data.

ENGP 107 Power Lab 1

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): MAIN 109

You will practice safety needed when working around boilers. You will learn about components and systems associated with boilers. You will use proper technics to start up and shut down a boiler system.

ENGP 178 Heating Systems

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to heating boiler terminology, design, operation and government regulations. You will study various heating, ventilation and air conditioning (HVAC) systems and the importance of building ventilation. You will study lighting, water supply and sanitary drainage systems.

ENGP 179 Applied Mechanics (Fourth Class)

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): PHYS 121

You will solve many types of introductory problems related to the study of motion. You will learn about forces and applications of force such as work and pressure.

ENGP 180 Power Lab 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): PROP 182

You will learn the major components of a steam plant and participate in the operation of the equipment which is similar to that used in industry.

ENGP 181 Plant Maintenance 1

Credit Units: 2.0 Course Hours: 30.0

You will study piping, valves, materials and welding. You will use safe practices to perform maintenance tasks using common hand tools.

ENGP 183 Prime Movers

Credit Units: 2.0 Course Hours: 30.0

You will study basics of steam and gas turbine construction and operation. You will study internal combustion engines and steam engines used in industry.

ENGP 186 Pumps, Compressors, and Lubrication

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to the characteristics and operation of pumps and compressors. You will study lubrication properties, methods of application and importance to efficient equipment operation.

ENGP 187 Power Lab 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGP 180

You will produce steam and operate turbines, heat exchangers, pumps and auxiliary fuel systems in a functioning high pressure steam lab.

ENGP 188 Plant Operation and Maintenance

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGP 181

You will study the safe and efficient operational procedures for boilers and boiler systems. You will perform plant maintenance tasks including shaft alignment and rigging procedures.

ENGP 189 Codes and Calculations 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENGP 286

You will learn to use the American Society of Mechanical Engineers (ASME) Section I and VIII codes. You will learn to solve calculations needed for repairs and construction of boilers and pressure vessels.

ENGP 190 Boiler and Boiler Systems

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to boiler terminology, design, and operation. You will study the theory of combustion and feedwater control.

ENGP 191 Boiler Controls and Safety Devices

Credit Units: 2.0 Course Hours: 30.0

You will study boiler and fittings code requirements. You will study the design and operation of boiler controls and safety devices.

ENGP 280 Refrigeration (3rd Class)

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): RFRG 195

You will study industrial applications including multiple compressor arrangements, vapor compression, and absorption refrigeration. You will review auxiliaries, capacity controls and basic refrigeration calculations.

ENGP 282 Combustion and Piping Systems

Credit Units: 1.0 Course Hours: 20.0

Prerequisite(s): STEA 184

Your studies will focus on fuels, combustion and piping. You will learn how to perform calculations, study draft equipment, and do flue gas analysis required for optimum efficiency in plant operation.

ENGP 284 Applied Mechanics (3rd Class)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENGP 179

You will apply the theory of mechanics to problems in the power engineering field. You will solve problems involving mass, vectors, force, motion, work, energy, power, stress, and fluids.

ENGP 285 Power Lab 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENGP 187

You will use Distributed Control System (DCS) to manage the power lab equipment. You will assume multiple roles in the operation of a high pressure steam plant. You will develop your supervisory skills by assuming the role of shift lead in the power lab.

ENGP 286 Codes and Calculations 1

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): SFTY 172

You will examine the American Society of Mechanical Engineers (ASME) codes, Canadian Standards Association (CSA) standards and the Provincial Boiler Act and Regulations, that pertains to the design and operations of boilers.

ENGP 288 Applied Mechanics (2nd Class)

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGP 284

You will solve complex problems involving forces, inertia, acceleration, and energy in translational and rotational motion. You will solve complex problems involving the structure and behaviours of materials in the solid and liquid states.

ENGP 289 Power Lab 4

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENGP 285

You will assume 2nd class power engineer responsibilities in the control and management of a power plant. You will learn to conduct various efficiency tests. You will produce power using a steam turbine driven generator.

ENGP 290 Pumps and Compressors

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENGP 186

You will study the design and operation of various pumps You will solve pump head calculations. Your studies will involve air compression design, auxiliaries and system components.

ENGP 292 Prime Movers and Plant Auxiliaries

Credit Units: 3.0 Course Hours: 45.0

You will study prime movers including steam turbines, gas turbines and internal combustion engines. You will study cogeneration systems, heat exchangers and fired heaters.

ENGP 293 Plant Management and Safety

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): SFTY 172

The course expands on your knowledge of the maintenance techniques and strategies used by power engineers in industry. You will study environmental concerns related to the industry and review safety management programs.

ENGP 295 Metallurgy and Testing of Materials

Credit Units: 2.0 Course Hours: 30.0

You will study the structure of various metals and their alloys, heat treatments and the application of these metals in power plants. You will identify the various material defects and the destructive and non-destructive tests used to detect them.

ENGP 296 Chemistry, Metallurgy and Drawings

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): INST 182, WTER 182

You will study the principles of chemistry and corrosion in industrial operations and how these processes will effect metallurgy and materials. You will analyze and interpret industrial drawings to understand plant processes.

ENGP 297 Combustion, Piping and Plant Management

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on fuels, combustion, piping and plant management. You will learn how to perform calculations and do flue gas analysis required for optimum efficiency in plant operation. You will learn piping design, valve and actuator application, steam trap systems and insulation. You will learn maintenance strategies, fire protection systems and review safety management programs.

ENRG 100 Renewable Energy

Credit Units: 3.0 Course Hours: 45.0

You will examine alternative energy sources. You will identify where to access government grants and funding agencies in the alternative energy sector.

ENRG 200 Renewable Energy Systems

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENVR 206

You will examine energy management methods with emphasis on industry standards. You will analyze resource generation, storage, transmission, and distribution. You will compare conventional sources with renewable alternatives. You will prepare a cost-benefit analysis of energy conservation. You will also plan how to maintain and integrate energy systems.

ENVR 101 Environmental Science and Technology 1

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): ENVR 440

You will examine the natural world scientifically in an attempt to explain how life on earth is sustained. You will review human population development with its increasing resource requirements. You will study sustainable resource management applied to urban and natural environments including associated risks of hazardous materials. You will take a global perspective using objective risk analysis and environmental ethics.

ENVR 102 Environmental Sampling and Analysis

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MEAS 109

You will follow safe practices and be required to assist in identifying risk and measures to reduce risk. You will develop an understanding of hazardous materials through working with content provided in safety data sheets. You will examine protocols for environmental sampling including collection, preservation, and transportation of samples. You will collect field measurements and be introduced to statistical analysis as a means of managing measurement error.

ENVR 103 The Living World

Credit Units: 2.0 Course Hours: 30.0

You will explore the mechanisms of evolution and the vast variety of life we see on Earth. You will be introduced to plant and animal morphology required to aid in identification of these organisms.

ENVR 104 Introduction to Environmental Science and Technology

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): ENVR 101

You will study evidence that suggests the Earth is faced with serious environmental challenges that indicate degradation arising from unsustainable population and economic growth. This course discusses the United Nations 2021-2030 Decade of Environmental Restoration. You will examine how climate change, loss of biodiversity, and the loss of ecosystem productivity are potential threats to human health and well-being. You will study key indicators of environmental health, assess challenges, and explore recovery of global and local systems.

ENVR 105 Environmental Site Assessment 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): TERR 101, TERR 102

You will acquire the knowledge needed to plan, design, organize and implement the first phase of an Environmental Site Assessment (ESA). During the Phase I ESA, you will collect current and historical site information and identify potential and actual environmental concerns associated with the subject site and the adjacent properties.

ENVR 151 Environmental Sustainability

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ENVR 145

You will study ways to link ecological concerns to individual and community decision making. Your studies will include issues related to sustainability and options that recreation and community organizations could use to reduce environmental impact.

ENVR 151CE Environmental Sustainability

Credit Units: 3.0 Course Hours: n/a

You will study ways to link ecological concerns to individual and community decision making. Your studies will include issues related to sustainability and options that recreation and community organizations could use to reduce environmental impact.

ENVR 181 Land Surveying and Soil Sampling

Credit Units: 3.0 Course Hours: 45.0

You will study the importance of environmental sampling and monitoring. You will use surveying principles while utilizing maps, compasses and GPS. You will operate equipment to collect soil samples while monitoring soil quality parameters.

ENVR 184 Environmental Science 1

Credit Units: 3.0 Course Hours: 48.0

You will be introduced to the fundamentals of basic science and ecological principles required to understand the potential impacts of various types of pollution. You will also examine advantages and disadvantages of various energy choices.

ENVR 20 Environmental Science 20

Credit Units: 1.0 Course Hours: 100.0

Environmental Science focuses on: Understanding environmental science Human activity and its impact on health (including global health) Climate and environmental change Population impacts Pollution Land/water ecosystems Enviro Sci also looks at careers and occupations, both local and global, that relate to the field.

ENVR 200 Atmospheric Environment

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENVR 102

You will be introduced to the basics of meteorology with a focus on natural and anthropogenic air pollutants, and their properties, sources, and effects on the atmosphere. You will study how to set up meteorological and air monitoring equipment to test for atmospheric parameters and sample for the criteria air contaminants and other pollutants. The emphasis will be on the utilization of proper sampling protocols and procedures. The laboratory results will be compared to applicable federal and provincial ambient air quality regulations and objectives.

ENVR 203 Liquid and Solid Waste Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 200, HYDO 201, PHYS 104

You will develop an understanding of the design basis of unit treatment processes and networks planning in municipal, industrial, and solid waste fields. Based on the skills you develop, you will design and plan a treatment facility in wastewater or solid waste landfill using best management practices. You will apply your skills in management and planning of domestic and industrial hazardous waste problems, impacts and treatment/disposal.

ENVR 204 Ecosystems

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENVR 103

Equivalent Course(s): ENVR 234

You will study how energy flows through ecosystems. You will explore the variety of ecoregions throughout Saskatchewan, Canada, and the world. You will cover the role of succession in shaping environmental landscapes. You will be introduced to a variety of local flora and fauna.

ENVR 205 Environmental Site Assessment 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENVR 105, ENVR 236

Corequisite(s): CAMP 204

You will acquire the knowledge needed to plan, design, organize and implement the second phase of an Environmental Site Assessment (ESA). During the Phase II ESA, you will demonstrate field procedures for the investigation of areas of potential environmental concern (APECs). You will design a field investigation plan to locate, sample, identify and monitor the contaminants of concern.

ENVR 206 Energy Resource Management

Credit Units: 3.0 Course Hours: 45.0

You will examine the major components of energy resource management including supply, demand, economics, regulation, and the environment. Your studies will include an examination of the regional, national, and global viewpoints on energy resource management. You will differentiate conventional and alternative energy systems and explore the concepts and principles behind successful energy management. A key outcome of this course will be the ability to estimate energy resource management economics including levelized costs, pay-back periods, and pollution mitigation costs. The course will prepare you to assess various energy resource management options given the current energy transition involving increasing energy demand within a carbon constrained future.

ENVR 207 Remediation and Reclamation

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENVR 205

Corequisite(s): HYDO 200

You will plan, design, organize and propose different types of environmental remediation techniques using the results of your previous Phase I and Phase II Environmental Site Assessments (ESAs). You will use gathered information and knowledge in the application of remediation techniques including bioremediation, barrier systems, mechanized systems, and excavations.

ENVR 208 Applied Ecology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENVR 103

Equivalent Course(s): ENVR 235

You will study the ecology of aquatic and terrestrial ecosystems. You will be introduced to how populations grow and change and how this information is used to make management decisions. You will explore the impacts of humans on the environment.

ENVR 226 Site Assessment and Remediation

Credit Units: 6.0 Course Hours: 96.0

Prerequisite(s): HYDO 225

Corequisite(s): ENVR 236

You will acquire the knowledge needed to plan, design, organize and implement an Environmental Site Assessment (ESA). During the first phase, you will collect current and historical site background information and identify potential environmental concerns. During the second phase, you will sample, test, monitor, identify, and locate the contaminants. During the third phase, you will evaluate the risk assessment and select the proper site remediation technology.

ENVR 227 Waste Management

Credit Units: 6.0 Course Hours: 96.0

Prerequisite(s): ENVR 235, ENVR 231, HYDO 225

The course content includes the methods of classification, handling, transportation and disposal of municipal, biomedical and dangerous waste material. You will study pollution prevention models and techniques, constraint mapping, landfill site selection and landfill design layout. Your fieldwork will include developing waste minimization and waste characterization plans.

ENVR 228 Environmental Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENVR 101

You will study the environmental project management elements of environmental liability, accountability and due diligence in terms of risk assessment and risk management, Occupational Health and Safety, and emergency response planning. You will be introduced to how to apply environmental management systems using the International Organization for Standardization (ISO 14000 series).

ENVR 229 Environmental Impact Assessment

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENVR 208

You will be introduced to the evolution of the environmental impact assessment process in Canada and in particular, Saskatchewan. You will explore the environmental impacts associated with various industry activities and review the components of an Environmental Impact Statement. You will be introduced to how to evaluate an area for environmental sensitivities and how to mitigate potential impacts of proposed activities. You will complete several exercises that will assist in the preparation of a preliminary environmental impact report or environmental protection plan.

ENVR 231 Environmental Control

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): MAT 246, HYDO 225

Corequisite(s): ENVR 236, WTER 226

The course provides an introduction to various industrial processes and manufacturing that may cause pollutants as a by-product. You will learn how to identify, describe and apply design criteria and calculations to the selection of pollution control techniques and abatement equipment. Using dispersion modelling for air, water, groundwater and ground permeation, you will conduct the prediction of pollution.

ENVR 232 Environmental Engineering

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): WTER 231

You will be introduced to Environmental Site Assessments (ESA) and Environmental Impact Assessments (EIA) including their components, processes and applicable regulations. You will study the effects of engineering projects and human activities on the biophysical and human environment. You will illustrate the aims and objectives of an EIA as they pertain to Canada and Saskatchewan. You will implement the stages of an EIA, which includes proposals, screening, scoping through to monitoring and compliance.

ENVR 233 Environmental Monitoring

Credit Units: 3.0 Course Hours: 48.0

Prerequisite(s): MEAS 106, COAP 108, PHYS 102

Corequisite(s): HYDM 221

You will receive an introduction to measuring and monitoring environmental pollutants. Ambient air, indoor air and noise will be emphasized. You will receive practical hands-on experience in the lab using standard methods and procedures to record, operate and maintain equipment to sample, test and monitor ambient conditions and pollutants. You will analyze data for compliance to environmental regulatory acts, regulations, standards, policies and guidelines. You will also assess the proper air pollution control equipment for industrial processes.

ENVR 234 Environmental Ecology 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENVR 101, MEAS 109, SOIL 102

You will explore the mechanisms of evolution and the vast variety of life we see on earth. You will study how energy flows through ecosystems. You will explore the variety of ecosystems throughout Saskatchewan, Canada, and the World. You will cover the role of succession in shaping environmental landscapes.

ENVR 235 Environmental Ecology 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENVR 234

You will study the ecology of aquatic and terrestrial ecosystems. You will be introduced to how populations grow and change and how this information is used to make management decisions. You will explore the impacts of humans on the environment. You will be introduced to a variety of local flora and fauna.

ENVR 236 Environmental Monitoring

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENVR 102

You will be introduced to the relationships between terrestrial, riparian and aquatic environments. You will investigate various protocols to monitor and assess the health of each environment. Emphasis will be placed on demonstrating safe practices for outdoor field activities and laboratory settings. The risks of various substances on environmental and human health will be presented.

ENVR 280 Environmental Science 2

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): ENVR 184

Building on the skills you developed in Environmental Science I (ENVR 184), you will be provided an understanding of the environmental impacts of pollution. Your studies will include gas, liquid, and solid pollutants; air, water, and noise pollution; government legislation and policy; and methods of monitoring and protection. Relevant provincial and federal legislation will be examined.

ENVR 281 Water Treatment & Distribution

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENVR 280

Corequisite(s): ENVR 181, MATH 298

You will focus on the basics of conventional water treatment. You will learn the processes of surface water treatment, reservoir management, coagulation and flocculation, sedimentation, filtration, disinfection, taste and odor control, and corrosion control. You will focus on the proper installation, inspection, operation, maintenance and repair of water distribution systems.

ENVR 290 Environmental Monitoring

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LABT 154

You will be introduced to the fundamentals of the environment, its monitoring and management. You will examine the technology available for environmental soil and air monitoring. You will develop hands-on skills by performing air and soil monitoring analyses as a laboratory component. You will also learn some specific topics in the area of soil chemistry and toxicology.

ENVR 401 Environmental Science and Technology 2

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ENVR 441

You will study pollution prevention and mitigation technology. You will also develop environmental management strategies for agriculture, oilfield, mining and pulp and paper operations.

ENVR 402 Environmental Sampling

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ENVR 442

You will perform environmental compliance and inspection-related sampling activities. You will develop the skills needed for collecting legal samples of soil, sediments, air and liquids. You will include safety measures with the sampling activities.

EQPT 103 Fabrication Equipment

Credit Units: 4.0 Course Hours: 60.0

You will safely use and maintain portable hand tools and stationary power equipment.

EQPT 104 Raise Bore Drill Parts

Credit Units: 5.0 Course Hours: 70.0

Prerequisite(s): MINE 105

You will receive an introduction to the parts of the six component assemblies of a raise bore drill and learn the purpose of each component.

EQPT 105 Drill String and Wrenching System

Credit Units: 10.0 Course Hours: 150.0

Prerequisite(s): EQPT 106

The course covers the components and purpose of the Drill String and Wrenching System and the safe use of wrenching tools.

EQPT 106 Drill Console and Pendant Controls

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): EQPT 104

You will practice operating controls on the drill console. You will study the function of switches, gauges, valves and warning lights on the primary control console and the portable control pendants (consoles). You will also learn safe operating procedures.

EQPT 107 Equipment Setup and Takedown

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): EQPT 105

You will become familiar with the procedures required to safely and efficiently move, setup, takedown and store a raise bore drill.

EQPT 108 Tools and Equipment

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): EQPT 189

You will learn the principles and procedures for safely and efficiently using a wide range of kitchen equipment and tools.

EQPT 109 Tools and Equipment

Credit Units: 6.0 Course Hours: 96.0

You will learn how to select, use and maintain a wide variety of hand tools and non-power equipment. You will also learn how to operate and maintain portable electric tools, pneumatic tools, powder actuated tools, cutting torches and stationary power tools.

EQPT 111 Tools, Equipment, and Masonry Materials

Credit Units: 4.0 Course Hours: 60.0

You will learn how to select, use, and maintain various hand and power tools that are used in the bricklayer trade, including powder actuated tools. You will be able to describe the properties, characteristics, sizes, and shapes of the various masonry materials used in construction.

EQPT 112 Tools

Credit Units: 1.0 Course Hours: 18.0

You will learn how to select, use and maintain a wide variety of hand tools and non-power equipment. You will also learn how to operate and maintain portable electric tools, pneumatic tools, and powder actuated tools.

EQPT 113 Equipment Operation and Maintenance

Credit Units: 3.0 Course Hours: 39.0

Equivalent Course(s): EQPT 170

You will learn the function and operation of component parts, and regular service and maintenance procedures. You will learn how to operate, service and maintain various types of construction trucks and construction equipment. You will work at a construction site to gain experience in operating construction trucks and a variety of earth-moving equipment.

EQPT 116 Layout and Template Development

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): EQPT 117

You will develop skills in layout and template development. You will learn how to use geometric construction to layout two-dimensional patterns.

EQPT 117 Layout and Fitting

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): EQPT 116

You will transfer templates developed in previous courses to various materials and perform large scale layouts using industry related techniques to determine accuracy.

EQPT 118 Metal Working Equipment

Credit Units: 4.0 Course Hours: 60.0

You will use stationary metal working and fabrication equipment to cut, bend and form metal.

EQPT 119 Tools and Equipment

Credit Units: 4.0 Course Hours: 60.0

In this course you will learn to identify, operate, and care for the common tools and equipment used in the professional kitchen. You will learn how to safely assemble and dismantle various tools, equipment, and workstations prior, during and after use. You will describe the parts of a knife and how to safely use and maintain your knives.

EQPT 126 Tools

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): PROJ 122

You will learn how to identify and safely use a wide variety of hand tools, portable power tools and stationary tools and equipment. You will also learn how to identify and use powder actuated tools.

EQPT 161 Equipment Operation and Maintenance

Credit Units: 3.0 Course Hours: 39.0

You will learn how to operate, service and maintain various types of construction trucks and construction equipment. Your studies will focus on the function and operation of component parts and regular service and maintenance procedures. You will work at a construction site to gain experience in operating construction trucks and a variety of earth-moving equipment.

EQPT 162 Seeding and Tillage Equipment

Credit Units: 2.0 Course Hours: 30.0

You will learn the terminology and theory of basic machinery components, including belt and chain drives, ratios, power takeoffs, and gear drives. You will become familiar with the theory of operation for tillage and seeding equipment and global positioning systems (GPS) as it applies to variable rate seeding technology. You will learn to pre-deliver and service air seeder carts, seeding tools and tillage equipment. You will apply theory knowledge to practical applications for seeding and tillage component repairs.

EQPT 173 Seeding and Tillage Equipment

Credit Units: 2.0 Course Hours: 30.0

You will learn the terminology and theory of basic machinery components, including belt and chain drives, ratios, power takeoffs, and gear drives. You will become familiar with the theory of operation for tillage and seeding equipment and global positioning systems (GPS) as it applies to variable rate seeding technology. You will learn to pre-deliver and service air seeder carts, seeding tools and tillage equipment. You will apply theory knowledge to practical applications for seeding and tillage component repairs.

EQPT 191 Warehouse Equipment and Uses

Credit Units: 1.0 Course Hours: 15.0

You will identify tools and equipment used in a warehouse and demonstrate their proper use and maintenance.

EQPT 194 Seeding and Tillage Equipment

Credit Units: 2.0 Course Hours: 30.0

You will learn the theory of operation for seeding and tillage equipment and an introduction to precision farming applications, variable rate and section control seeding technology. You will explore the pre-delivery inspection process and service precision seeding equipment. You will develop troubleshooting skills by applying the operational theory of precision seeding equipment to practical applications. You will learn how to work safely when exposed to anhydrous ammonia applicators.

EQPT 196 Harvesting Equipment

Credit Units: 4.0 Course Hours: 60.0

You will learn the theory of operation for harvesting equipment and related attachments. You will explore the operation of precision farming applications and how it applies to harvesting equipment. You will explore the practical applications of a combine inspection, assessment, servicing and adjusting harvesting equipment and components.

EQPT 197 Hay and Forage Equipment

Credit Units: 4.0 Course Hours: 60.0

You will study the operating principles and service and repair processes of hay and forage equipment. You will explore how to perform a complete machine inspection and develop a repair plan. You will learn how to adjust, service and repair forage and haying equipment.

EQPT 198 Sprayers and Applicators

Credit Units: 2.0 Course Hours: 30.0

You will study the theory of operation, service, repair and calibration of spray systems and applicator systems. You will explore Precision farming applications and learn to service, repair, and calibrations of these systems.

EQPT 199 Pre-Delivery and Performance

Credit Units: 2.0 Course Hours: 30.0

You will learn the process of the pre-delivery setup and inspection of tractors equipment. You will focus on setting the machine to manufacturer's specifications, overall appearance, installation of accessories, tractor ballasting, and tractor and engine performance.

EQPT 401 Small Motors

Credit Units: 1.0 Course Hours: 15.0

You will be introduced to the operation, maintenance, and troubleshooting of gas engines. The mechanical cutting components and safety features of chainsaws will be demonstrated. You will safely operate a chainsaw in a field setting.

ESL 1000 ELT - Listening and Speaking

Credit Units: 0.0 Course Hours: 50.0

Your studies are based on the Canadian Language Benchmarks (CLB) and will focus on improving your listening and speaking skills. This class is intended for adults (18 years and older) who require improved English language skills for post-secondary study or to improve employment opportunities. It is suitable only for those adults who demonstrate that they have the minimum level of CLB 5 in listening and speaking.

ESL 1001 ELT - Reading and Writing

Credit Units: 0.0 Course Hours: 50.0

Your studies are based on the Canadian Language Benchmarks (CLB) and will focus on improving your reading and writing skills. This class is intended for adults (18 years and older) who require improved English language skills for post-secondary study or to improve employment opportunities. It is suitable only for those adults who demonstrate that they have the minimum level of CLB 5 in listening, speaking, reading and writing.

ESTH 100 Introduction to Skin Care and Makeup Techniques

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): SANT 108*, HAIR 100*

You will review a variety of methods and procedures that relate to preserving, maintaining and enhancing the skin. You will practice techniques in eyebrow arching, waxing, and brow and lash tinting.

ESTH 101 Foundations of Esthetics

Credit Units: 4.0 Course Hours: 60.0

You will explore sciences as they relate to esthetics. The course content includes chemistry, physics, anatomy and physiology, trichology, nutrition and metric conversion. You will examine communication skills for estheticians.

ESTH 102 Skin Care Techniques

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ESTH 101*, SANT 110*

You will focus on a variety of methods and procedures that relate to preserving, maintaining and enhancing the skin. You will practice techniques in skin analysis, eyebrow arching, plain and specialized facials. You will study skin diseases and disorders to assist you in selecting the most beneficial skin care products to suit the skin condition.

ESTH 103 Make-up Artistry

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ESTH 102*

You will learn how to use makeup techniques to enhance a client's facial features. You will be introduced to the various looks that are created by make-up artists for theatrical, corrective, and camouflage purposes. In addition, you will learn how to apply the theory of colour, enhance eye brows and lashes, consult with a client, and choose suitable product.

ESTH 104 Machine Applied Facial and Body Treatments

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ESTH 101*, ESTH 102*, SANT 110*

You will obtain and analyze essential data from the client through client consultation in order to make accurate decisions about recommended services. You will learn how to use technical tools to perform specialized facial treatments.

ESTH 105 Esthetics Treatments and Massage

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ESTH 101*, ESTH 102*, SANT 110*

Your studies will focus on identifying skin conditions relating to the rapidly growing field of spa body treatments and cosmetic massage. You will learn how to combine both medical spa treatment and home care regime to treat these conditions.

ESTH 106 Advanced Sciences and Clinical Skin Care

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ESTH 105*

You will gain a better understanding of basic chemical reaction that take place in the skin. Your studies will include information about new skin ingredients such as serums and polymers. You will learn how to cooperate with physicians to complement client care. Your studies will focus on protocols, advanced treatments, patient education, product knowledge, and counter indications.

ESTH 107 Epilation

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ESTH 101*, SANT 110*

You will learn the hair removal procedures and techniques an Esthetician is expected to know.

ESTH 108 Lash Enhancements

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SANT 110*

You will demonstrate the application of temporary and semi-permanent eyelash enhancements.

ESTM 400 Construction Cost Estimating and Procurement

Credit Units: 3.0 Course Hours: 45.0

You will learn how to estimate costs for a construction project and prepare a bid based on that estimate.

ETHC 100 Professional Ethics

Credit Units: 3.0 Course Hours: 45.0

You will learn the appropriate approach to sensitive ethical and environmental issues.

ETHC 101 Professionalism in Health Care

Credit Units: 3.0 Course Hours: 45.0

You will participate in an introduction to health care and health care delivery systems. Co-operative working relationships, employability skills, conflict management, critical thinking skills, communication, wellness, and stress management techniques will be emphasized throughout the course.

ETHC 140 Ethics in Mental Health and Addictions

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CDEP 177

You will examine the purpose and ethical basis for being a skilled helper with particular emphasis in the addictions industry. You will be introduced to the Problem Management Approach to Helping. You will learn how to apply the codes of ethics and confidentiality in the human services industry, notably the addictions industry.

ETHC 181 Patient Care in Radiography 1

Credit Units: 2.0 Course Hours: 37.0

Prerequisite(s): INFC 180

Equivalent Course(s): MGMT 109

You will learn the radiographer's role in basic patient care when performing medical imaging procedures. You will learn about documentation in health care, isolation and transmission based precautions, and assessment of patients' physical status. You will apply transferring techniques and learn about patient personal care assistance, identification of emergency procedures and recognition of basic medical accessory equipment.

ETHC 182 Patient Care in Radiography 2

Credit Units: 2.0 Course Hours: 36.0

Prerequisite(s): ETHC 181

You will learn the radiographer's role in patient care when performing advanced medical imaging procedures involving surgical asepsis, medication administration, intravenous therapy and contrast media administration.

ETHC 184 Jurisprudence and Ethics

Credit Units: 3.0 Course Hours: 45.0

You will gain an understanding of the acts, bylaws and regulations that govern funerals. The course will also include information about the professional and ethical practices that are important in this profession.

ETHC 184CE Jurisprudence and Ethics

Credit Units: 3.0 Course Hours: n/a

You will gain an understanding of the acts, bylaws and regulations that govern funerals. The course will also include information about the professional and ethical practices that are important in this profession.

ETHC 185 Professional Practices 1

Credit Units: 3.0 Course Hours: 42.0

Equivalent Course(s): HUMR 182

You will receive an introduction to health care and health care delivery systems. You will study the legal and ethical issues faced by health care professionals. You will discuss interpersonal and employability skills required in health care professions with an emphasis on teamwork, communication and stress management. You will learn methods to deal with grief and loss, in addition to skills and techniques for critical thinking and conflict management.

ETHC 185CE Professional Practices 1

Credit Units: 3.0 Course Hours: n/a

You will receive an introduction to health care and health care delivery systems. You will study the legal and ethical issues faced by health care professionals. You will discuss interpersonal and employability skills required in health care professions with an emphasis on teamwork, communication and stress management. You will learn methods to deal with grief and loss, in addition to skills and techniques for critical thinking and conflict management.

ETHC 280 Professional Practices 2

Credit Units: 2.0 Course Hours: 30.0

You will study health care organizational behaviour and the skills required for leadership/management roles. You will discuss co-operative work relationships, conflict resolution, budgeting, strategic planning, the collective bargaining process and workload measurements. You will develop workplace documents and demonstrate job search techniques.

ETHC 300 Professional Ethics and Sustainable Development

Credit Units: 3.0 Course Hours: 45.0

You will learn the appropriate approach to sensitive ethical and environmental issues pertaining to construction. You will examine sustainable development practices that minimize the impact of construction projects on the environment and maximize energy efficiency.

ETHC 600 Ethics, Privacy, and Legal Issues in IT

Credit Units: 2.0 Course Hours: 30.0

You will learn the importance of ethical decision making in business. You will learn about relevant legal issues relating to ethical behavior in business and the stewardship of personal data. You will explore organizational guidelines for dealing with personal data and how these guidelines are regulated through government audit procedures.

EXFN 220 Exterior Finishes and Accessories

Credit Units: 2.0 Course Hours: 30.0

You will learn procedures for constructing cornices and installing exterior wall coverings.

EXFN 221 Exterior Windows and Doors

Credit Units: 1.0 Course Hours: 15.0

You will learn the installation procedures for exterior windows and doors.

Course Descriptions F

FEMT 301 Botany

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): FEMT 410, FORE 342

You will describe the processes of plant life from the cellular level, growth and reproduction, photosynthesis, respiration, fluid translocation and germination. You will identify a plant's contribution to society and the ecosystem with emphasis on forestry plants. You will also identify some physical properties of wood.

FILM 164 Set Protocol and Set Safety

Credit Units: 1.0 Course Hours: 15.0

Your studies will focus on the film and video set. You will learn about the scope of practice for each occupation within film, video and new media, reporting structures and union regulations. You will also study health and safety as it relates to a production set.

FILM 164CE Set Protocol and Set Safety

Credit Units: 0.0 Course Hours: n/a

Your studies will focus on the film and video set. You will learn about the scope of practice for each occupation within film, video and new media, reporting structures and union regulations. You will also study health and safety as it relates to a production set.

FIN 100 Personal Finance

Credit Units: 4.0 Course Hours: 60.0

You will explore concepts related to planning and managing personal finances. You will develop the knowledge and decision-making tools to help you make sound financial decisions and/or provide advice to others. Your studies will introduce concepts in banking, deposit accounts, investing, tax and retirement planning. You will explore the uses and misuses of personal credit and review the importance of insurance and estate planning. You will apply the skills and knowledge that you develop in a wide variety of real world situations.

FIN 100CE Personal Finance

Credit Units: 4.0 Course Hours: n/a

You will explore concepts related to planning and managing personal finances. You will develop the knowledge and decision-making tools to help you make sound financial decisions and/or provide advice to others. Your studies will introduce concepts in banking, deposit accounts, investing, tax and retirement planning. You will explore the uses and misuses of personal credit and review the importance of insurance and estate planning. You will apply the skills and knowledge that you develop in a wide variety of real world situations.

FIN 145 Financial Statement Analysis

Credit Units: 1.0 Course Hours: 15.0

You will examine strategies that use ratios to evaluate financial statements. You will also examine methods for conducting a trend analysis and make comparisons to industry standards.

FIN 146 Locating Financing

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): BUS 154*

The course describes the methods used to finance a business. You will investigate sources of financing, learn how to approach lenders and examine the basic forms of collateral security. You will also prepare a statement of projected costs and sources of funding for your business.

FIN 150 Small Business Financial Projections

Credit Units: 3.0 Course Hours: 45.0

You will use a spreadsheet program to plan and prepare financial documents required in a small business. These documents form the basis for making financial decisions and for discussions with financial institutions, government representatives or other interested parties.

FIN 151 Financial Strategy

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): BUS 154, HR 145

The course describes the methods used to finance a business. You will investigate sources of financing, learn how to approach lenders and examine the basic forms of collateral security. You will also prepare a statement of projected costs and sources of funding for your business. The course describes financial projections focusing on the projected cash flow statement and projected income and expense statements and uses this information to determine the breakeven point and return on investment. You will develop a financial strategy for your business.

FIN 152 Managing Personal Finances

Credit Units: 1.0 Course Hours: 21.0

You will review the fundamentals of managing personal finances including banking, planning for savings, and obtaining loans and/or credit. Forms of payment, such as debit cards, credit cards, and cheques will be discussed. You will prepare a personal budget, check your credit rating, and calculate net worth.

FIN 202 Financial Products and Services

Credit Units: 6.0 Course Hours: 96.0

Excellent product knowledge is central to relationship banking. You will develop a solid understanding and knowledge of financial products and services. Your understanding will enable you to differentiate among products, to compare products and, to fully explain products to individual clients. You will also acquire the foundation you need to keep informed about trends and market innovations in retail products and services. The second component of the course relates to consumer lending in a bank setting. Topics include types of consumer credit, credit investigation, and collateral. All topics are dealt with in the context of a financial institution. Training exercises, role plays, and cases that personal bankers experience are used in this course.

FIN 211 Financial Products and Services 1

Credit Units: 3.0 Course Hours: 45.0

Excellent product knowledge is central to relationship banking. You will develop a solid understanding and knowledge of financial products and services. Your understanding will enable you to differentiate among products, compare products, and fully explain products to individual clients to meet their everyday financial needs. You will also acquire the foundation you will need to keep informed about trends and market innovations in retail products and services. All topics are dealt with in the context of a financial institution or credit union.

FIN 212 Financial Products and Services 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FIN 211

You will discover excellent product knowledge is central to relationship banking. You will continue to build your knowledge to develop a solid understanding of additional financial products and services. As you continue with the second component of the course, you will learn about consumer lending and investing in a financial institute setting. You will be introduced to topics on types of consumer credit, credit interviews, and investigation and collateral. You will also receive an overview of retail insurance and investment product solutions, along with retirement and estate products. You will be working with all these topics in the context of a financial institution.

FIN 220 Finance

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ACCT 122

Equivalent Course(s): ACP 475

You will become familiar with the role of finance and its implication for risk, income and control, credit conditions and a firm's state of liquidity. The course content includes sources of capital and corporate borrowing, cost of capital theory and optimal capital structure, and the capital budget decision-making.

FIN 220CE Finance

Credit Units: 5.0 Course Hours: n/a

Prerequisite(s): ACCT 122

You will become familiar with the role of finance and its implication for risk, income and control, credit conditions and a firm's state of liquidity. The course content includes sources of capital and corporate borrowing, cost of capital theory and optimal capital structure, and the capital budget decision-making.

FIN 225 Relationship Building

Credit Units: 5.0 Course Hours: 80.0

You will develop techniques to improve your presence and effectiveness in client interactions by applying the key elements of the communication process. You will learn communication modes, perceptions and techniques, including body language. You will learn to tailor these communication applications to the reality of the financial services industry.

FIN 227 Financial Institution Operations

Credit Units: 3.0 Course Hours: 45.0

Your studies begin with an examination of the transactional systems in financial institutions associated with delivering financial products and services. Subsequently, your studies will focus on the managerial systems that financial institutions use to meet corporate goals. You will review the rapid pace of change in the financial industry and explore future directions. You will examine internal policies and procedures which serve to ensure consistency and security through standardized practices. You will examine the crucial role that the financial industry plays in our economy. The course includes learning through a series of guest speakers from the financial services industry and field trips to various financial institutions.

FIN 232 Strategic Financial Advising

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): FIN 212

You will develop an efficient and effective response to a client's needs for financial services which is the ultimate goal of relationship banking. The course is designed to help develop you as a professional by providing you with the level of knowledge and skills necessary to match the client's financial needs and objectives to financial products and services. You will develop the competence to successfully complete business transactions and ultimately, you will achieve the level of confidence required by financial services professionals.

FIN 235 Tax Fundamentals

Credit Units: 4.0 Course Hours: 64.0

Equivalent Course(s): TAX 221

You will learn the fundamentals of personal taxation that include calculating income, deductions, taxable income, and tax payable. The culmination of these steps is the actual preparation of personal tax returns.

FIN 241 Investment Funds in Canda (IFC) Prep

Credit Units: 6.0 Course Hours: 96.0

You will develop the required skills and knowledge to advise clients about their mutual fund investments based on their objectives, timeline and risk tolerance. Your studies will include these topics: a mutual fund representative's legal, ethical, and professional responsibilities. You will learn about the financial markets, the mutual fund industry, your role as a mutual fund sales representative, and different types of mutual funds. You will also gain an understanding in the importance of the "Know Your Client" rule and how to apply it. You will learn the risk-return relationship of investments as well as be able to explain the process of creating and managing investment portfolios that meets client's needs. You'll gain an understanding of the different types of mutual funds. Finally, you will be able to assess mutual fund's performance and fee structure and be able to explain these features to a client. Upon successful completion of the course, you will be eligible to write the licensing exam for the sale of mutual funds in the Canadian marketplace.

FIN 281 Financial Management

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ACCT 191*

The course provides an introduction to analyzing and interpreting financial statements for management decision making. You will acquire financial management skills related to the successful management of a small business or department of a larger business.

FIN 32 Financial Literacy 30

Credit Units: 1.0 Course Hours: 100.0

Financial Literacy develops informed consumers with the habits, attitudes and critical thinking skills to approach financial decisions with competence & confidence - both now and in their future lives.

FIN 400 Finance

Credit Units: 3.0 Course Hours: 45.0

You will study the basic components of modern corporate and personal finance. Your studies will include the following topics: accounting, time value of money, shares, debt instruments including bonds and debentures, valuations, interest calculations, and rate of return.

FIN 600 Finance

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 600

You will become familiar with the role of finance and its implication for risk, income and control, credit conditions and a firm's state of liquidity. You will examine sources of capital and corporate borrowing, cost of capital theory and optimal capital structure, and capital budget decision making.

FIN 601 Banking Fundamentals

Credit Units: 3.0 Course Hours: 45.0

Your studies will provide you with an introductory understanding of banking in Canada. You will learn key topics including fiscal and monetary policy of the federal government and the Bank of Canada, financial industry sectors, personal and business banking products, and government programs that are relevant to financial advising.

FIN 602 Consumer Credit and Insurance

Credit Units: 3.0 Course Hours: 45.0

You will develop an understanding of the various types of consumer credit products and services available to clients, including the terminology and unique characteristics of each type of credit facility. You will review the application and assessment process of various types of credit. You will learn to identify your client's needs and recommend the products to meet those needs.

FIN 603 Small Business Banking

Credit Units: 3.0 Course Hours: 45.0

Your studies will provide you with the knowledge of how a small business operates. You will also study the relationship of small business to financial institutions in terms of borrowing and cash management.

FIN 604 Finance and Revenue Management

Credit Units: 3.0 Course Hours: 45.0

You will study revenue and financial management as they relate to business strategies that can affect profitability of the tourism operation. You will gain skills in product pricing, forecasting, budgets, cost controls, and statistical reporting.

FIRE 101 Wildland Fire Fundamentals

Credit Units: 3.0 Course Hours: 45.0

You will apply wildland fire management fundamentals including fire detection, assessment and reporting, fire safety and organization, fire weather and fire behavior. The use of controlled fires and prescribed burns, as well as response planning systems will be described. You will participate in field exercises in fire pump set-up, hose handling, two-way radio communication and the use of hand tools. A simulation exercise in basic fire tactics is integral to the course.

FIRE 180 Fire Safety

Credit Units: 1.0 Course Hours: 10.0

You will become familiar with common fire regulations and different types of fires and fire extinguishers.

FIRE 404 Arson Investigation

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): FIRE 101*

Equivalent Course(s): FIRE 584

You will apply the principles of arson investigation in a forestry context.

FISH 301 Aquatic Ecology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CAMP 305*

You will study freshwater aquatic ecology. You will safely sample and interpret water quality of nearby waterbodies. You will become familiar with fish anatomy and learn how to identify fish species and aquatic invertebrates.

FISH 402 Aquatic Surveys

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): FISH 403

You will acquire the knowledge and skills needed to survey and summarize the physical, chemical and biological components of lakes and streams.

FISH 403 Advanced Aquatic Surveys

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): FISH 402

You will be introduced to advanced topics in aquatic habitat sampling and interpretation. You will acquire the knowledge and skills needed for biomonitoring sampling, electrofishing, and fish population surveys. You will also be introduced to fish stress and advanced fish handling procedures such as tagging and surgery.

FISH 404 Fisheries Management

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): FISH 446

You will be introduced to legislation and fisheries management principles as they apply to protecting fish habitat and fisheries resource utilization. You will become familiar with fish parasites and disease, the steps involved in conducting fish kill investigations, aquatic invasive species, and enforcement.

FISH 405 Current Topics in Fisheries

Credit Units: 1.0 Course Hours: 15.0

You will study biological components of fisheries management and critique current issues in fish and fish habitat management.

FLGT 100 Private Pilot License Training 1

Credit Units: 3.0 Course Hours: 45.0

You will participate in preparatory ground instruction and pre- and post-flight briefings. You will become familiar with the airplane and procedures to perform basic flight manoeuvers. You will learn and practice flight manoeuvers as required by Transport Canada (TC) for the Private Pilot License.

FLGT 101 Private Pilot License Training 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): FLGT 100*

You will participate in preparatory ground instruction and pre- and post-flight briefings. You will learn and practice additional flight manoeuvers for your first solo flight as required by Transport Canada (TC). These manoeuvers will primarily focus on take-offs and landings. You will complete the TC requirements for the issue of a Student Pilot Permit.

FLGT 102 Solo and Dual Flying

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FLGT 101*

You will participate in preparatory ground instruction and pre- and post-flight briefings. You will learn, practice, and review flight manoeuvers as required by Transport Canada (TC) for the Private Pilot License (PPL). These manoeuvers will be practiced with a flight instructor (dual) and in solo flights.

FLGT 103 Ground School Theory and Application

Credit Units: 4.0 Course Hours: 60.0

You will participate in ground school instruction covering the topics found in Knowledge Requirements of the Private Pilot License (PPL).

FLGT 104 Instruments, Navigation, and Preparation for Flight Test

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): FLGT 102*, FLGT 103*

You will participate in preparatory ground instruction and pre- and post-flight briefings. You will learn and practice instrument flying manoeuvers as required by Transport Canada (TC) for the Private Pilot License (PPL). You will also learn navigation procedures and complete both the dual and solo flight requirements for the PPL. You will practice and prepare for the pre-flight test evaluation, and you will complete the TC requirements for the issue of a Private Pilot License.

FLGT 105 Commercial Flight Training 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): FLGT 104*

You will participate in preparatory ground school instruction and pre- and post-flight briefings. You will complete the Transport Canada (TC) flight training requirements for the issue of a Night Rating. You will practice dual and solo flight manoeuvers as required towards your Commercial Pilot License. You will accumulate approximately 10 – 15 hours of flight time during this course, including three hours of instrument training.

FLGT 106 Solo Navigation 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FLGT 105*

You will practice planning and flying various solo navigation trips to start accumulating the time equirements for your Commercial Pilot License. You will participate in preparatory ground school instruction and pre- and post-flight briefings. You will accumulate approximately 10-15 hours of flight time during this course.

FLGT 200 Commercial Flight Training 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FLGT 106

You will practice dual and solo flight training maneuvers as required by Transport Canada (TC) for your Commercial Pilot License. You will participate in preparatory ground school instruction and pre and post flight briefings. You will accumulate approximately 30 hours of actual flight time, including a minimum of five hours of instrument training.

FLGT 201 Solo Navigation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): FLGT 200*

You will practice planning and flying various solo navigation trips to accumulate time towards your Commercial Pilot License. You will participate in preparatory ground school instruction and pre and post flight briefings. You will accumulate approximately 50 hours of solo navigation flight time, including the 300 nautical mile trip.

FLGT 202 Commercial Pilot License

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): FLGT 201*

You will review the knowledge requirements of the Commercial Pilot License and prepare for the Commercial Pilot License written examination, including writing sample examinations. You will complete the Transport Canada (TC) requirements for the issue of a Commercial Pilot License.

FLGT 203 Multi-Engine Rating

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FLGT 202*

You will participate in preparatory ground school instruction and pre- and post-flight briefings. You will complete the Transport Canada flight training requirements for the issue of a Multi-Engine Rating.

FLGT 204 Instrument Rating 1-Written Exam Preparation

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FLGT 203*

You will review the knowledge requirements of the Instrument Rating and prepare for the Instrument Rating written examination, including writing sample examinations.

FLGT 205 Instrument Rating 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): FLGT 204*

You will participate in preparatory ground school instruction and pre- and post-flight briefings. You will complete the Transport Canada (TC) training requirements for the issue of an instrument rating in both an aircraft and flight simulator for the issue of an Instrument Rating.

FLGT 206 Individual Aircraft Type Rating

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): FLGT 205*

You will review and prepare for the Individual Aircraft Type Rating (IATRA) written examination. You will review the material included in the Knowledge Requirements of the Study and Reference Guide TP 13524.

FMEC 100 Fluid Mechanical Energy Concepts

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGM 191*, MECH 100*, MAT 110*

You will study typical primary / simplified thermal fluid systems and associated mechanical / electrical components / devices. This course will provide you with the foundational concepts necessary for describing common fluid (media) properties, pressure, energy, as well as device efficiency / performance, and economics. You will assess the implications of energy transfer or specific system configuration / design as seen through developed pressure, force, temperature changes, or stability. You will be introduced to aspect of heat transfer (e.g.: conduction and convection) and related thermal system characteristics (e.g. thermal mass, insulation R-value, etc.).

FMEC 101 Fluid Transport and Energy Systems

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 110, FMEC 100, MAT 111*

You will focus on liquid and compressed gas transport and energy (power) systems. You will examine the operational characteristics, performance, and economics of compressors and gas turbine engines. You will also develop competency in analyzing piping systems, as well as classification and evaluation of associated components and equipment (e.g. pipes, fittings, pumps); this will include relevant industry design codes and standards.

FMEC 102 Piping Analysis and Modeling

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): FMEC 101, CAD 101, DRFT 114

You will produce design and construction documentation for an industrial process / piping system. You will analyze system performance and operational characteristics, as well as select associated components / devices using specialized software. You will develop and communicate design and / or fabrication intent with typical schematic and CAD-based system models and associated drawings.

FMEC 200 Fluid Mechanics

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGM 100

Corequisite(s): FMEC 201

Equivalent Course(s): FMEC 288

You will assess and utilize fluid properties. You will study static fluid, dynamic fluid and open channel flow. You will analyze pipe networks, classification and select of associated mechanical equipment and the principles of fluid flow measurement.

FMEC 201 Fluid Mechanics Lab

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): ENGM 100

Corequisite(s): FMEC 200

You will practice the fundamentals of fluid mechanics and fluids under static or dynamic conditions in closed conduits and open channels.

FMEC 288 Fluid Mechanics

Credit Units: 5.0 Course Hours: 77.0

Corequisite(s): ENGM 191

Equivalent Course(s): HYDR 285

You will gain expertise in assessing and utilizing fluid properties such as temperature, pressure, density and viscosity in evaluating the behaviour of flowing and non-flowing fluids. The forces exerted on bodies and surfaces due to non-flowing fluids (fluid statics) and the characteristics of fluids in motion along with any resulting energy changes (fluid dynamics) will be examined. You will develop competency in analyzing simple pipe networks, classification and selection of associated mechanical equipment (pumps, blowers, etc.), and the principles of fluid flow measurement.

FMLY 181 Family Dynamics

Credit Units: 3.0 Course Hours: 45.0

You will examine the dynamics of the Canadian family, the influence of family structure on the individual's values and the mental, cultural and physical challenges faced by the families of today.

FMLY 181CE Family Dynamics

Credit Units: 3.0 Course Hours: n/a

You will examine the dynamics of the Canadian family, the influence of family structure on the individual's values and the mental, cultural and physical challenges faced by the families of today.

FMMT 100 Precision Farming Operations

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ELEC 296

You will explore the basic principles of precision farming practices. How this benefits the farmer, Ag technician, consumer, and the environment. We will study the various components that make up precision farming systems. You will learn how the precision farming system is set up for operation and how data is collected and viewed by the producer and the Ag technician.

FNDT 120 Foundations

Credit Units: 4.0 Course Hours: 60.0

You will learn how to construct and install formwork for footings, grade beams, and slabs-on-grade. Various types of concrete formwork will be covered as well as procedures for installing reinforcing materials, miscellaneous inserts, and anchor bolts. Procedures for constructing permanent wood foundations will also be covered.

FNRL 180 Restorative Art

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 189, COM 101, COMM 291, ETHC 184, MICR 185, NAST 102, PD 143, ORTN 199, (PRAC 176 or LEAD 180), PATH 186*, FNRL 182*, PRAC 277*

You will study restorative art processes using appropriate cosmetics, instruments and appliances. You will also examine processes for the difficult and autopsied cases.

FNRL 180CE Restorative Art

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): APHY 189, COM 101, COMM 291, ETHC 184, MICR 185, NAST 102, PD 143, ORTN 199, (PRAC 176 or LEAD 180), PATH 186*, FNRL 182*, PRAC 277*

You will study restorative art processes using appropriate cosmetics, instruments and appliances. You will also examine processes for the difficult and autopsied cases.

FNRL 181 Arrange Funerals

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): COAP 178, COM 101, COMM 291, ETHC 184, LEAD 180, NAST 102, PD 143, ORTN 199, PRAC 176, PSYC 160, PSYC 280, WORK 192

You will gain an understanding of the processes involved in funeral services arrangements. You will also study memorialization options, processes for transportation and prearranging services.

FNRL 181CE Arrange Funerals

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): COAP 178, COM 101, COMM 291, ETHC 184, LEAD 180, NAST 102, PD 143, ORTN 199, PRAC 176, PSYC 160, PSYC 280, WORK 192

You will gain an understanding of the processes involved in funeral services arrangements. You will also study memorialization options, processes for transportation and prearranging services.

FNRL 182 Embalming 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 189, COM 101, COMM 291, ETHC 184, MICR 185, PD 143, ORTN 199, (PRAC 176 or LEAD 180), WORK 192, PATH 186*, FNRL 180*, PRAC 277*

You will gain an understanding of the various types of embalming processes for the normal case.

FNRL 182CE Embalming 1

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): APHY 189, COM 101, COMM 291, ETHC 184, MICR 185, PD 143, ORTN 199, (PRAC 176 or LEAD 180), WORK 192, PATH 186*, FNRL 180*, PRAC 277*

You will gain an understanding of the various types of embalming processes for the normal case.

FNRL 183 Embalming 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): FNRL 182

Building on your studies from Embalming 1 you will study embalming procedures used in both normal, difficult and autopsied cases.

FNRL 183CE Embalming 2

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): FNRL 182

Building on your studies from Embalming 1 you will study embalming procedures used in both normal, difficult and autopsied cases.

FNRL 280 Embalming

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): APHY 189, COAP 171, COM 101, COMM 291, COMP 172, COMP 179, ETHC 184, MICR 185, MTER 180, ORTN 199, PRAC 176, PSYC 160, PSYC 280, PSYC 281, WORK 192, PATH 186*, FNRL 180*, PRAC 277*

You will gain an understanding of the various types of embalming processes for the normal case. You will also examine procedures used in difficult and autopsied cases.

FNRL 281 Direct Funerals

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): FNRL 181*

You will examine the organization and direction of funeral services and visitations. You will also explore the various support services available.

FNRL 281CE Direct Funerals

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): FNRL 181*

You will examine the organization and direction of funeral services and visitations. You will also explore the various support services available.

FNRL 282 Business Practices and Processes in the Funeral Service Industry

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 189, COAP 171, COM 101, COMM 291, COMP 172, COMP 179, ETHC 184, MICR 185, MTER 180, ORTN 199, PRAC 176, PSYC 160, PSYC 280, PSYC 281, WORK 192

You will study business practices pertinent to the funeral service industry. Particular consideration will be paid to funeral home budgets and financial statements, funeral service merchandising and sales, costing and pricing, advertising, and applicable federal and provincial regulations.

FNRL 282CE Business Practices and Processes in the Funeral Service Industry

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): APHY 189, COAP 171, COM 101, COMM 291, COMP 172, COMP 179, ETHC 184, MICR 185, MTER 180, ORTN 199, PRAC 176, PSYC 160, PSYC 280, PSYC 281, WORK 192

You will study business practices pertinent to the funeral service industry. Particular consideration will be paid to funeral home budgets and financial statements, funeral service merchandising and sales, costing and pricing, advertising, and applicable federal and provincial regulations.

FOOD 100 Quantity Food Production

Credit Units: 4.0 Course Hours: 60.0

You will be involved in preparing, producing and servicing foods in quantity. You will be exposed to volume cooking and service techniques for meat, poultry, seafood, vegetables, starches, soups, and sauces.

FOOD 102 Short Order Food Production

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): COOK 197

You will prepare a variety of meals and food items appropriate for a short order cooking environment. You will integrate a wide range of skills you have learned in previous courses.

FOOD 103 Quantity Food Production

Credit Units: 2.0 Course Hours: 30.0

You will prepare foods in quantity. You will perform in a safe manner and comply with sanitation legislation. You will be required to adhere to portion and quality controls for all types of food preparation.

FOOD 104 Quantity Meat Preparation

Credit Units: 4.0 Course Hours: 60.0

You will be exposed to volume cooking and service techniques for meat, poultry, fish and seafood. You will use a variety of cooking techniques to prepare meals using these meats.

FOOD 105 Quantity Preparation of Vegetables and Starches

Credit Units: 3.0 Course Hours: 45.0

You will learn volume cooking and service techniques for potatoes, vegetables, starches, and pasta. You will use a variety of cooking techniques to prepare meals using these ingredients.

FOOD 106 Quantity Preparation of Soups and Sauces

Credit Units: 3.0 Course Hours: 45.0

You will learn volume cooking and service techniques for soups and sauces. You will create a variety of soups and sauces in large quantities.

FOOD 107 Aboriginal Cuisine

Credit Units: 1.0 Course Hours: 15.0

You will learn how to adapt menus to incorporate Aboriginal cuisine.

FOOD 108 Basic Food Preparation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SANT 109* or SANT 111*

You will learn how to prepare a variety of foods using the tools, equipment and techniques common to professional kitchens. You will acquire an understanding of the basic culinary terms and cooking principles. You will also learn a safety management system that reduces the risk of injuries occurring on the job.

FOOD 109 Catering

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FOOD 108

You will plan and prepare a catering event. Food presentation, cost control and proper food handling techniques will be emphasized.

FOOD 110 Regional and Cultural Foods

Credit Units: 2.0 Course Hours: 30.0

You will learn how to adapt menus to incorporate Indigenous, regional and cultural food practices.

FOOD 111 Quantity Food Preparation

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): FOOD 100

You will prepare foods in quantity. You will perform in a safe manner and comply with sanitation legislation as used in health care settings. You will be required to adhere to portion and quality controls for all types of food preparation.

FOOD 112 Meat Preparation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SANT 111*, SAFE 113*

Equivalent Course(s): FOOD 104

You will learn cooking and service techniques for meat, poultry, fish, and seafood as used in health care settings. You will use a variety of cooking techniques to prepare meals using these meats.

FOOD 113 Vegetables and Starches

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SANT 111*, SAFE 113*

Equivalent Course(s): FOOD 105

You will learn cooking techniques for potatoes, vegetables, starches, and pasta as used in health care settings. You will use a variety of cooking techniques to prepare meals using these ingredients.

FOOD 114 Stocks, Soups, and Sauces

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SANT 111*, SAFE 113*

Equivalent Course(s): FOOD 106

You will learn volume cooking and service techniques for soups and sauces. You will create a variety of soups and sauces as used in health care settings.

FOOD 115 Quantity Food Production

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SANT 111, FOOD 108

Equivalent Course(s): PLAN 181

You will prepare, produce, and serve food in a Food Service Operation. You will apply portion and quality controls.

FOOD 172 Customer and Restaurant Service Techniques

Credit Units: 4.0 Course Hours: 60.0

You will develop skills in the procedures used in the service of food and beverage. You will have the opportunity to practice customer relations skills as they apply to a service setting.

FOOD 182 Cold Foods

Credit Units: 3.0 Course Hours: 30.0

Prerequisite(s): FOOD 189, SFTY 192

Equivalent Course(s): CKNG 101, CKNG 102, FOOD 100

You will learn how to prepare salads and sandwiches following established standards of quality and quantity. Food presentation, cost control and proper food handling techniques will be emphasized.

FOOD 183 Principles of Food Preparation

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FOOD 108*, SANT 111*

You will learn to analyze specific food composition characteristics, apply food science principles and evaluation standards involved with the preparation of basic foods.

FOOD 189 Basic Food Preparation

Credit Units: 3.0 Course Hours: 50.0

Prerequisite(s): SANT 181*, SFTY 192

Equivalent Course(s): CKNG 110

In a lab setting, you will learn how to prepare a variety of foods using the tools, equipment and techniques common to professional kitchens. You will acquire an understanding of the basic culinary terms and cooking principles used on a daily basis in commercial kitchens. You will also develop recognition of and an appreciation for the quality standards used to evaluate raw food products and finished menu items.

FOOD 190 Fundamentals of Restaurant Service

Credit Units: 3.0 Course Hours: 45.0

You will develop skills in the procedures used in the service of food and beverage. You will have the opportunity to practice customer relations skills as they apply to a restaurant setting.

FOOD 192 Applied Restaurant Service

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): (FOOD 190* or FOOD 172*), SANT 109*

You will develop your communication, management and practical food service skills. You will also use a computerized point of sale system.

FOOD 193 Applied Restaurant Service 2 and WHMIS

Credit Units: 4.0 Course Hours: 60.0

You will gain practical experience in operating a full service formal dining room. During the practical luncheon sessions, you will act in various staff positions and operate a computerized point-of-sale system. You will also learn to apply the basic principles of WHMIS in a food service environment.

FOOD 194 Purchasing

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MKTG 181

Your studies will focus on the responsibilities necessary for quantity food purchasing. You will learn about the various food products purchased for use in a food and beverage environment. You will discuss the application of the four-step control process (food purchases, receiving, storage, and inventory management) and gain an understanding of capital purchasing requirements.

FOOD 195 Service of Food and Beverage

Credit Units: 2.0 Course Hours: 24.0

Prerequisite(s): SANT 181

You will develop skills in the procedures used in the service of food and beverage. You will have the opportunity to practice customer relations skills as they apply to a service setting.

FOOD 200 Restaurant Cost Controls & Menu Planning

Credit Units: 3.0 Course Hours: 45.0

You will focus on the necessity of establishing and enforcing control systems used by various food and beverage operations. You will learn the value of performing control procedures in a food service operation. You will study the principles of menu planning in conjunction with menu formats and terminology and develop an understanding of the role the menu plays within a food service establishment. You will design menus typically found within the commercial foodservice industry.

FOOD 200CE Restaurant Cost Controls & Menu Planning

Credit Units: 3.0 Course Hours: n/a

You will focus on the necessity of establishing and enforcing control systems used by various food and beverage operations. You will learn the value of performing control procedures in a food service operation. You will study the principles of menu planning in conjunction with menu formats and terminology and develop an understanding of the role the menu plays within a food service establishment. You will design menus typically found within the commercial foodservice industry.

FOOD 202 Contemporary Trends in Food Service

Credit Units: 3.0 Course Hours: 45.0

You will learn about current trends in the food service and hospitality industry. You will explore indigenous and regional foods including their place in health care. Finally, you will explore sustainability issues affecting the food service and hospitality industry.

FOOD 203 Food Modification

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NUTR 180, NUTR 186, SANT 111, NUTR 202*

You will analyze foods and recipes according to specific dietary requirements. You will modify foods and recipes to meet specified dietary requirements.

FOOD 281 Food and Beverage Cost Controls

Credit Units: 2.0 Course Hours: 30.0

You will focus on the necessity of establishing and enforcing control systems used by various Food and Beverage operations. You will learn how to perform control procedures and compile information on a day-to-day basis.

FOOD 282 Catering

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): FOOD 189, SANT 181

You will plan and prepare a catering event.

FOOD 286 Advanced Restaurant Service

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): FOOD 192

You will apply your theoretical knowledge to staff and control a full service formal dining room. You will act in various positions and perform duties associated with serving and managing within a dining room environment.

FOOD 291 Dining Room Production

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COOK 197

You will receive practical hands-on instruction in all areas of the kitchen related to preparing and serving an a la carte menu.

FOOD 297 Catering 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SANT 185, SFTY 192, FOOD 282

You will learn the principles of planning, organizing, controlling and preparing and managing a catered function. Practical experience will help you develop teamwork, business and supervisory skills.

FORE 102 Introduction to Forestry

Credit Units: 2.0 Course Hours: 30.0

You will describe forest practices that are common in Saskatchewan. You will describe forest harvesting methods as well as harvest and transportation systems. You will be introduced to the forest regions of Canada while discussing various silviculture practices.

FORE 200 Forest Health

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FEMT 301

Corequisite(s): FORE 405

You will study forest health concerns in Saskatchewan. These studies will include common forest pests and diseases and the role of fire in forest ecology. You will examine the effects of climate, fire, and pollution on forest health.

FORE 400 Advanced Forestry

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CAMP 305*

You will describe the importance of forest measurements and the tools commonly applied. Forest sampling techniques will be used to obtain wood volumes for trees, wood piles and unit areas at the stand level.

FORE 405 Forest Access Techniques

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FORE 400

Corequisite(s): FORE 200

Equivalent Course(s): FORE 470

You will study how to identify forest access concerns. You will gain knowledge of tree volume allotment and tree volume calculations for harvest and road location. You will produce a harvest schedule complete with its corresponding access requirements while adhering to guidelines.

FRMG 126 Floor Framing

Credit Units: 4.0 Course Hours: 60.0

You will learn to assemble various types of floor systems as well as procedures for installing floor sheathing. You will also learn basic principles required for deck construction.

FRMG 127 Introduction to Floor Framing

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to various types of floor framing as well as procedures for installing floor sheathing. You will also learn basic principles required for deck construction.

FRMG 128 Introduction to Wall Framing

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to framing interior and exterior walls. This includes wood framed walls and steel stud walls. You will also learn how to install strapping, blocking, furring, and ceiling joists.

FRMG 220 Floor Framing

Credit Units: 3.0 Course Hours: 48.0

You will determine the requirements to lay out, cut and assemble a framed floor system (including stairwells and chimney holes). You will also discuss and erect engineer designed floor trusses.

FRMG 221 Wall Systems

Credit Units: 4.0 Course Hours: 60.0

You will learn how to construct wood frame walls, steel stud walls and ceiling joists. Installing strapping, blocking and furring is also covered.

FRMG 222 Roof Framing

Credit Units: 4.0 Course Hours: 60.0

You will learn how to construct gable and shed roofs. You will also learn how to lay out, assemble and erect engineered roof trusses.

FRMG 250 Roof Trusses

Credit Units: 1.0 Course Hours: 15.0

You will learn how to lay out, assemble, erect and brace engineered roof trusses.

FTNS 100 Fitness 1

Credit Units: 2.0 Course Hours: 30.0

You will examine various aspects of personal wellness with an emphasis on physical fitness. You will participate in a fitness routine that will prepare you to meet the physical demands to work in a law enforcement environment.

FTNS 101 Fitness 2

Credit Units: 2.0 Course Hours: 30.0

You will continue to participate in physical fitness training activities with an emphasis on high intensity interval training. You will practice and participate in the Physical Abilities Requirement Evaluation (PARE) in order to compete for seasonal positions in conservation law enforcement.

FTNS 162 Personal Wellness

Credit Units: 3.0 Course Hours: 45.0

You will develop strategies to manage the physical and mental stresses of paramedic practice. You will learn methods to maintain good health in a collaborative, supportive environment and choose activities to optimize your own personal health and wellness. You will also exhibit physical strength and fitness consistent with the requirements of professional practice.

FTNS 163 Personal Wellness 2

Credit Units: 2.0 Course Hours: 35.0

Prerequisite(s): FTNS 162

Building on your experiences in Personal Wellness 1 (FTNS 162), you will develop your own personal plan to optimize physical and mental health. You will be able to form positive, adaptive coping strategies to apply to your life as you prepare for the challenges particular to paramedics. You will also learn how nutrition affects physical and mental health and be able to make healthy choices.

FTNS 200 Fitness 3

Credit Units: 1.0 Course Hours: 15.0

You will continue to follow a fitness routine meet the physical demands to work in a law enforcement environment. You will prepare and participate in a personalized fitness plan which includes cardio, strength and flexibility training.

FUEL 102 Introduction to Fuel and Ignition Systems

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to the basic operation, diagnosis and repair of gasoline fuel injection and ignition systems.

FUEL 140 Safe Fuel Handling

Credit Units: 1.0 Course Hours: 15.0

You will learn procedures for safe handling and storage of common fuels in a retail setting. The course content includes the responsibilities of managers related to staff on the safe storage and handling of fuels in a commercial setting. The course content addresses methods for dealing with spills or leaks.

Course Descriptions G

GED 1001 Pre-GED

Credit Units: 0.0 Course Hours: n/a

Pre-GED develops foundational knowledge and skills in language arts, math, and social studies.

GED 1803 GED Essay Writing Booster

Credit Units: 0.0 Course Hours: 10.0

The course is designed to help GED candidates who are weak in essay writing skills. This might include candidates who are writing the GED tests for the first time or candidates who are re-writing.

GED 1804 GED Math Booster

Credit Units: 0.0 Course Hours: 10.0

The course is designed to help GED candidates who are weak in math skills. This might include candidates who are writing the GED tests for the first time or candidates who are re-writing.

GENE 181 Genetics

Credit Units: 4.0 Course Hours: 60.0

You will study transmission, cellular, population and molecular genetics. You will studyMendelian principles, modes of inheritance, cell division, chromosomes, population dynamics, genes, the genetic code of nucleic acids, gene expression and recombinant Deoxyribonucleic Acid (DNA) technology.

GENE 182 Veterinary Genetics

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CHEM 101

Equivalent Course(s): GENE 181

You will study transmission genetics, inheritance, pedigree, cell division, breed identification and the nature of genetic information.

GENE 282 Molecular Biology 1

Credit Units: 6.0 Course Hours: 93.0

Prerequisite(s): BIOC 281, GENE 181, MICR 184*

You will study deoxyribonucleic acid (DNA) synthesis methods, transcription and translation. As part of a research project you will learn to isolate and purify DNA, construct recombinant DNA clones use polymerase chain reaction (PCR) and hybridization techniques to screen and characterize DNA clones. You will also use bioinformatics to analyze DNA sequences.

GENE 285 Molecular Biology 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): BIOC 281, GENE 181, MICR 282*, MICR 283*

Corequisite(s): GENE 286

You will study deoxyribonucleic acid (DNA) synthesis methods, transcription and translation in eukaryotes and prokaryotes. You will examine bacterial transcription and regulation of gene expression. You will examine cloning strategies using phage, bacteria and yeast. You will also examine molecular biology techniques and applications of synthetic biology.

GENE 286 Molecular Biology 1 Lab

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): BIOC 281, GENE 181, MICR 282*, MICR 283*

Corequisite(s): GENE 285

You will isolate, purify, and analyze deoxyribonucleic acid (DNA) using molecular biology techniques. As part of a research project, you will construct recombinant DNA to be used for synthetic biology applications. You will study molecular biological techniques used in cloning and gene expression.

GENE 287 Molecular Biology 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): GENE 285, GENE 286

Corequisite(s): GENE 288

You will study ribonucleic acid (RNA), transcription and RNA Splicing. You will study translation, protein folding and cellular localization. You will examine regulatory RNA mechanisms of gene expression. You will apply bioinformatics to analytical data from molecular biology methods including Polymerase Chain Reaction (PCR) based techniques, Deoxyribonucleic Acid (DNA) sequencing and molecular markers. You willexamine gene editing techniques such as clustered regularly interspaced palindromic repeats (CRISPR).

GENE 288 Molecular Biology 2 Lab

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): GENE 285, GENE 286

Corequisite(s): GENE 287

You will study molecular biology techniques to separate, isolate and purify ribonucleic acids (RNA) and proteins. You will study polymerase chain reaction (PCR) based techniques to analyze nucleic acids. You will analyze proteins using molecular biology techniques. You will apply bioinformatics using molecular markers, real time PCR, and deoxyribonucleic acid (DNA) sequencing. You will use clustered regularly interspaced palindromic repeats (CRISPR) techniques to engineer a bacterial genome.

GEOL 101 Mineralogy and Ore Deposits

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): TERR 103

You will examine physical and optical properties of minerals and rocks. You will study the processes of ore deposition and practice core logging. You will study mineral commodities.

GEOL 145 Ground Control 1

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): MINE 141

The course provides information on rock formations, rock properties, sources of ground movement, equipment and a demonstration of scaling procedures.

GEOL 146 Ground Control 2

Credit Units: 1.0 Course Hours: 20.0

Prerequisite(s): GEOL 145

Building on the knowledge acquired in GEOL 145 (Ground Control 1), you will receive an introduction to the hands-on scaling procedures used to check ground conditions.

GEOL 200 Geophysical Data Collection and Analysis

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENGM 100, GEOL 101

You will be introduced to geophysics theory, data collection and analysis. You will compare various geophysical techniques.

GEOM 100 Geographic Information System Applications and Mapping Concepts

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to mapping fundamentals by working with hardcopy maps and digitally using Geographic Information System (GIS) software and web-based mapping applications. You will study scale, direction, coordinate reference systems, projections, and datums. You will be introduced to vector and raster data structures and will become familiar with SQL queries and applying cartographic design principles to create thematic maps. You will use software such as ArcGIS to an essential skill level.

GEOM 200 Introduction to Global Navigation Satellite Systems Surveys (GNSS) Surveys and Application

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): GEOM 100, MAT 102, MAT 110

Your studies will focus on the fundamentals of Global Navigation Satellite Systems (GNSS). The course will emphasize the use of Global Positioning System (GPS) but also include an introduction to global navigation satellite system (GLONASS) and the Galileo system. You will learn the components of a GNSS, its signal structure, and explore the effects that errors have on the system and its position accuracies. You will examine the different positioning modes available when using a GNSS such as absolute, differential and real-time. Your field work will involve using a GNSS for basic surveying applications.

GEOM 201 Coordinate Systems and Map Projections

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GEOM 200

Your studies will focus on common map projections used in Canada with an emphasis on conformal projections. You will study the theoretic concepts and the practical mathematical formulae behind a map projection. You will examine the distortion characteristics for a given map projection by examining physical maps and mathematical mapping functions. Emphasis will be placed on the Transverse Mercator projection and their corresponding coordinate systems. You will learn how current Global Navigation Satellite Systems (GNSS) field software calculates local or ground Cartesian coordinates. You will study the importance of geoid modelling and how heights are reported by GNSS field software.

GEOM 202 Introduction to Geodesy

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): GEOM 200

Corequisite(s): PHYS 200

Your studies will focus on the physical and mathematical aspects of geodetic positioning. You will study the importance and effect of the Earth's gravity field on positioning. You will study the relationship of geoid and reference ellipsoid and discuss the importance of these surfaces. You will learn about terrestrial and inertial reference systems and frames. You will study the relevant datums used in North America. The course covers time systems relevant to geomatics and includes the use of the celestial sphere in geodetic astronomy.

GEOM 203 Advanced Global Navigation Satellite Systems Surveys (GNSS) and Applications

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): GEOM 201, GEOM 202

Your studies will focus on developing a more advanced understanding of how Global Navigation Satellite Systems (GNSS) provide a positional solution to users. You will study the signals broadcast by the satellites and use them to discover the positional inner workings of a GNSS receiver. You will study the uses and limitations of modern GNSS hardware and software. You will use and develop troubleshooting approaches for common GNSS problems. You will study modern approaches to positional problems.

GERI 100 Geriatric Care

Credit Units: 2.0 Course Hours: 30.0

You will focus on the principles of geriatric assessment and care. You will study dementia patient care, housing options available to geriatrics and the use of various assessment tools. You will participate in labs and online discussions designed to help you develop the skills required to provide care to a geriatric patient. Upon completion of this course you will receive a certificate of participation in Gentle Persuasive Approach.

GERI 100CE Geriatric Care

Credit Units: 2.0 Course Hours: n/a

You will focus on the principles of geriatric assessment and care. You will study dementia patient care, housing options available to geriatrics and the use of various assessment tools. You will participate in labs and online discussions designed to help you develop the skills required to provide care to a geriatric patient. Upon completion of this course you will receive a certificate of participation in Gentle Persuasive Approach.

GIS 101 Geographic Information Systems 1

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): GIS 350, GIS 440

You will achieve a basic understanding of Geographic Information Systems (GIS) concepts and principles. You will study how to display spatial data, work with tables and create a map layout using GIS software.

GIS 102 Introduction to ArcGIS

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GIS 101*

You will explore modules and capabilities of ArcGIS software. You will also practice geoprocessing tasks.

GIS 103 Data Input for Geographic Information Systems (GIS)

Credit Units: 3.0 Course Hours: 45.0

You will collect data of Geographic Information Systems (GIS). You will use data input techniques and hardware to create new data sets pertaining to georeferencing, error checking and adding attribute data. You will also survey existing GIS data sources. Your studies will focus on working with various data formats using AutoCAD.

GIS 104 Introduction to Python

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the basics of programming using Python software. Your studies will include creating scripts and programs.

GIS 105 Vector Analysis

Credit Units: 3.0 Course Hours: 45.0

You will study the analytical capabilities of Geographic Information Systems (GIS) using the vector data model. You will apply topological overlay, buffering and proximity analyses of points, lines and polygons to resource management scenarios.

GIS 107 Geographic Information Systems (GIS) Hardware and Hardware Resources

Credit Units: 1.0 Course Hours: 15.0

You will gain hands-on experience using various Geographic Information Systems (GIS) hardware, including computers, large format plotters, scanners and printers. Computer internal parts will be discussed. You will work on hardware pricing and use of various hardware components.

GIS 108 Unmanned Aerial Vehicle (UAV) Data

Credit Units: 2.0 Course Hours: 30.0

You will gain experience using various types of UAV cameras. Demonstrated in this course will be UAV data acquisition using RGB (Red, Green and Blue), NIR (Near-infrared), multispectral camera and Lidar (Light Detection and Ranging) cameras. Project work will include learning about UAV setup, UAV software setup, flight lines, flight patterns and UAV camera images and settings. UAV flight will be demonstrated in this course. You will be shown how to download data from the UAV to a computer.

GIS 109 Unmanned Aerial Vehicle (UAV) Data Processing

Credit Units: 2.0 Course Hours: 30.0

You will gain hands-on experience using various Geographic Information Systems (GIS) software to process data collected by an Uncrewed Aerial Vehicle (UAV). In this course you will post-process UAV field data and export to various GIS format types. Project work will include learning about initial processing, flight lines, UAV camera images, Keyhole Markup Language (KML) files, geotagging and calibration of images. Your studies will focus on post-processing data from various types of payloads including RGB (Red, Green and Blue), NIR (Near-infrared) and Lidar (Light Detection and Ranging).

GIS 110 Global Navigation Satellite Systems (GNSS) and Geographic Information System (GIS) Fundamentals

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): TERR 102

Your studies will focus on the fundamentals of Global Navigation Satellite Systems (GNSS) and a Geographic Information System (GIS). You will learn the components of a GNSS, its signal structure, and explore the effects that errors have on the system and its position accuracies. You will examine the different positioning modes available when using a GNSS (i.e. absolute, differential and real-time). Your fieldwork will involve using a GNSS for basic surveying applications. You will apply GIS tools for database management and mapping functionalities using data from existing government sources and GNSS surveys.

GIS 200 Digital Cartography and Geographic Information System (GIS)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GEOM 100

Your studies will help develop the necessary mapping skills needed for different geomatics projects. The course covers digital map-making and Geographic Information System (GIS) concepts. It will also provide you basic knowledge for geospatial analysis required for different geomatic projects.

GIS 201 Advanced Geographic Information System (GIS)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GEOM 100, GIS 200

Your studies will help develop the advanced mapping skills needed on many geomatics projects. The course covers advanced digital map-making and Geographic Information System (GIS) concepts and applications. It will also provide you advanced knowledge for geospatial analysis required for different geomatic projects and web applications.

GIS 302 Introduction to Mobile Geographic Information Systems (GIS)

Credit Units: 2.0 Course Hours: 30.0

You will learn how to integrate Global Positioning Systems (GPS) and Geographic Information Systems (GIS). You will study intermediate theories and the principles of geodesy including positioning methods, errors and error management. You will practice your skills by completing a project from the planning stage to final data output.

GIS 361 Raster Analysis

Credit Units: 2.0 Course Hours: 30.0

You will study the analytical capabilities of Geographic Information Systems (GIS) using the raster data model. You will study raster analysis techniques that include Boolean and arithmetic grid overlays, neighborhood and zonal functions, surface representations of elevation, density, distance and proximity.

GIS 362 Three-Dimensional Analysis

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GIS 105*

You will perform advanced Geographic Information Systems (GIS) analysis using three-dimensional modeling. 3D models will be built using GIS 3D modelling software. You will use Internet-based software to display 3D models.

GIS 363 Basic Statistics and Geostatistics

Credit Units: 3.0 Course Hours: 45.0

You will receive an introduction to basic elements of statistics (including the organization and reporting of statistical data, sampling, measures of central tendency, dispersion and regression). You will use Geostatistics to estimate data values for locations that cannot be sampled directly. You will establish and use models of spatial correlation to interpolate unknown data values.

GLAS 120 Glass Removal and Installation

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SFTY 126*

You will examine the role of stationary glass in unibody construction. The course content includes glass removal and replacement to factory original specifications.

GMTC 202 Geospatial Information Systems

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): GIS 200

You will be introduced to geospatial information systems (GIS) principles and techniques. You will learn how to use vector and raster data structures and topology to model and manage geospatial databases. You will become familiar with SQL queries and apply cartographic design principles to create thematic maps. You will be introduced to spatial modeling and analysis, network representation and analysis, spatial interpolation and surface modelling. You will design, execute and present a GIS project.

GPS 100 Basics of Global Positioning Systems (GPS)

Credit Units: 2.0 Course Hours: 30.0

You will study Global Position Systems (GPS) for agriculture. You will gain hands-on GPS receivers experience and study how to navigate using handheld GPS receivers. You will also study how to convert GPS data into different file formats.

GPS 110 Basics of Global Positioning Systems (GPS)

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to Global Positioning Systems (GPS) for resource managers. You will gain hands-on experience navigating using handheld GPS receivers. Your studies will include entering GPS data into various Geographic Information Systems (GIS) file formats. Using handheld receivers, you will practice advanced data collection techniques.

GRND 200 Introduction to Rock Mechanics and Ground Control

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENGM 100

You will study methods of ground control and support. You will collect geotechnical data for rock mass and classification systems. Using computer software, you will analyze stability concerns and joint set data.

GRND 201 Ground Control Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRND 200

You will examine mine design using factor of safety, stability charts and other methods. You will examine mine operations and ground support systems.

GRND 202 Introduction to Rock Mechanics and Ground Control Lab

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): ENGM 100

You will be introduced to procedures useful in rock mechanics design and utilize lab samples to conduct compressive strength on different type of samples.

GRPH 100 Elements and Principles of Design 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 101

Equivalent Course(s): GAP 340

Your studies will focus on the graphic elements of type, format and image. You will analyze how graphic elements are used alone and in combination. You will apply these skills to create effective communication solutions.

GRPH 100CE Elements and Principles of Design 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): DSGN 101

Your studies will focus on the graphic elements of type, format and image. You will analyze how graphic elements are used alone and in combination. You will apply these skills to create effective communication solutions.

GRPH 101 Computer Graphics

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MULT 120

You will learn skills specific to creating vector and raster digital graphics. You will study a variety of techniques related to both creating original work and editing existing images.

GRPH 102 Raster Graphics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 102*

Your studies will include an introduction to the basic concepts of raster graphics. You will study a variety of techniques used for graphic editing. You will develop the skills required to use raster graphic applications, perform image editing, and execute raster graphic compositing.

GRPH 103 Vector Graphics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 102*

Your studies will provide an introduction to basic concepts of vector graphics. You will study a variety of techniques for formatting, editing and manipulating graphics.

GRPH 109 Image Editing

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): GRPH 102, GRPH 153

Your studies will include an introduction to the basic concepts of image editing, including file types and resolution. You will develop the skills required to use an image editing application, and perform image editing techniques, including image compositing. You will also prepare images for output.

GRPH 114 Print Media

Credit Units: 3.0 Course Hours: 45.0

Your studies will introduce you to the foundations of printing. You will explore a variety of printing and finishing methods. You will learn about digital image characteristics and their importance for high-quality output. You will operate a digital colour press, screen-printing press, vinyl cutter, and wide format printers.

GRPH 115 Digital Page Layout 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 154, GRPH 148

Using popular layout and design software, you will further develop the skills and strategies required to create professionally designed documents. You will implement strategies for creating static and interactive editorial documents. You will create high-quality layouts and implement page layout strategies. You will be able to create high-level and strategic documents such as newspaper articles, editorial spreads, brochures, interactive forms and documents.

GRPH 116 Campaign 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): GRPH 115*

You will build on skills developed in previous courses to design a multi-item campaign. You will identify client problems and develop strategies to execute design solutions. You will learn the fundamentals of how to prepare industry standard, digital and print-ready files for distribution within the graphic communications industry.

GRPH 117 Motion Graphics 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PHOT 126*, GRPH 155

You will explore industry standard motion graphic software and learn the principles of motion design. You will develop planning techniques and prepare graphics for motion. You will animate text and 2D shapes.

GRPH 118 Vector Graphics

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): GRPH 103, GRPH 152

Your studies will include an introduction to the basic concepts of vector graphics. You will develop the skills required to use a vector graphic application, while learning techniques for creating and modifying vector graphics. You will also prepare graphics for output.

GRPH 119 Digital Illustration

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): GRPH 118*

Equivalent Course(s): GRPH 208

Using popular illustration software, you will continue to develop the skills required to create vector artwork. You will identify strategies and develop creative techniques for building logos, icons, digital illustrations and more.

GRPH 123 Graphical Communications 1

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): TSYH 160

Your studies will introduce you to the techniques and standards required to communicate graphically. You will study concepts necessary to create 2-D and 3-D drawings. By practicing working drawing concepts, you will recognize lineweight and linetype standards, engineering and architectural scales as well as dimensioning protocol.

GRPH 123CE Graphical Communications 1

Credit Units: 2.0 Course Hours: n/a

Your studies will introduce you to the techniques and standards required to communicate graphically. You will study concepts necessary to create 2-D and 3-D drawings. By practicing working drawing concepts, you will recognize lineweight and linetype standards, engineering and architectural scales as well as dimensioning protocol.

GRPH 124 Graphical Communications 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 123

Equivalent Course(s): TSYH 162

Your studies will introduce you to the fundamentals of reading maps and plans. Through practical exercises, you will interpret maps, prepare drawings, convey survey data and draw layouts in plan and profile form. You will calculate volume and area from plan and profile drawings, calculate bearings, azimuths, distances, and areas on topographical maps. You will also identify symbols used in equipment and pipe schematics.

GRPH 124CE Graphical Communications 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): GRPH 123

Your studies will introduce you to the fundamentals of reading maps and plans. Through practical exercises, you will interpret maps, prepare drawings, convey survey data and draw layouts in plan and profile form. You will calculate volume and area from plan and profile drawings, calculate bearings, azimuths, distances, and areas on topographical maps. You will also identify symbols used in equipment and pipe schematics.

GRPH 139 Marketing 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 148, DSGN 110*

Your studies will focus on the field of marketing. You will discover the effect that marketing has on consumers. You will learn to market ideas, skills, products, and services.

GRPH 144 Digital Printing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 154

Your studies will focus on how to optimize and output jobs to digital colour presses, and wide format equipment. You will learn how to design for proper output to digital colour presses, and wide format equipment. You will learn how to set colour management and resolution requirements for digital output devices.

GRPH 146 Print Media 1

Credit Units: 3.0 Course Hours: 45.0

Your studies will introduce you to the MacIntosh operating system along with graphic communication concepts. You will learn to operate a digital colour press and explore a variety of printing methods and finishing techniques. You will be introduced to the basic elements and principles of design creation along with being able to identify and explain various design and production considerations for print.

GRPH 147 Digital Page Layout 1

Credit Units: 3.0 Course Hours: 45.0

You will use page layout software to acquire the basic knowledge required to build professional documents. You will focus on managing documents and pages, formatting text, working with images and graphics, and adjusting objects and colour. You will perform a basic page layout to recreate documents such as business cards, postcards, newsletters, and posters.

GRPH 148 Digital Page Layout 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 147*

Using popular layout and design software, you will continue to develop the skills required to create professionally designed documents. You will implement creative page layoutstrategies when building styles, parent pages, and tables. You will strategically create documents such as leaflets, forms, and booklets.

GRPH 150 Design 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 154

In this course, you will explore the elements of design and principles of organization. You will learn about grids and how they enhance layout and composition. You will gain an understanding of colour theory and the use of the colour wheel. You will develop an understanding of the application of typography in relation to effective graphic design.

GRPH 151 Self-Promotion

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 148

You will create self-promotional material to showcase the projects you complete during your time within the Graphic Communications program. You will develop a personal brand, online portfolio and a professional social media presence. You will create a skills-specific resume to use when searching for future job opportunities.

GRPH 152 Digital Illustration 1

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to illustration software, tools and drawing techniques. You will acquire the knowledge and develop the practical skills required to produce vector graphics.

GRPH 153 Image Editing 1

Credit Units: 3.0 Course Hours: 45.0

Throughout this course, you will acquire the practical skills required for the efficient use of image editing software by using Adobe Photoshop. You will learn how to manage layers, create selections and layer masks, work with vector tools, apply styles, filters and retouch images.

GRPH 154 Workflow Fundamentals

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 109*

Your studies will focus on the optimization and strategic organization of files and assets needed for multi-item campaigns in the graphic communications industry. You will learn to strategically organize digital files, by minimizing duplication of repetitive tasks and maximizing efficiencies at all stages of the workflow. You will learn about the composition of digital images, focusing specifically on resolution, and its importance for high-quality output. You will learn about and implement colour management strategies, as you gain an in-depth understanding of how to properly correct colour images, correct skin tones, sharpen properly scaled images, and optimize files for consistent and repeatable high-quality output. Your studies will culminate in the preparation and optimization of multi-item campaigns, ensuring that images, graphics, and digital files have been prepared to specific output requirements and standards.

GRPH 154CE Workflow Fundamentals

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): GRPH 109*

Your studies will focus on the optimization and strategic organization of files and assets needed for multi-item campaigns in the graphic communications industry. You will learn to strategically organize digital files, by minimizing duplication of repetitive tasks and maximizing efficiencies at all stages of the workflow. You will learn about the composition of digital images, focusing specifically on resolution, and its importance for high-quality output. You will learn about and implement colour management strategies, as you gain an in-depth understanding of how to properly correct colour images, correct skin tones, sharpen properly scaled images, and optimize files for consistent and repeatable high-quality output. Your studies will culminate in the preparation and optimization of multi-item campaigns, ensuring that images, graphics, and digital files have been prepared to specific output requirements and standards.

GRPH 155 Image Compositing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 109*

You will acquire the knowledge and skills to further advance your proficiency in industry-standard image editing software. You will learn how to apply creative filters and transformations. You will use blending modes and advanced masking techniques to create high-quality composites.

GRPH 156 Image Editing 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 187*

You will focus on applying a variety of effects to images using Adobe Photoshop. The course combines practical experience in editing and compositing images to be included in industry-standard documents, high quality print output and inclusion in a professional portfolio.

GRPH 158 Print Media 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 146

Your studies will focus on screen-printing onto textiles. You will learn to coat screens with emulsion, output film positives, expose and wash out screens, print onto garments and clean screens. You will create single colour images for assembly.

GRPH 181 Graphics

Credit Units: 4.0 Course Hours: 60.0

You will develop suitable drafting and blueprint interpreting skills. You will learn how to read blueprints and produce shop drawings as needed in the trade. You will also learn how to take estimates from these drawings.

GRPH 186 Digital Page Layout 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 148

Using popular layout and design software, you will further develop the skills and strategies required to create professionally designed documents. You will implement design thinking strategies for creating professional advertising campaigns, poster designs, and practical form design. Through mock client work you will begin identifying client design problems and the strategies needed to provided effective design solutions. You will create high-quality layouts that implement solutions to the identified design problems.

GRPH 187 Digital Page Layout 4

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): GRPH 186*

You will integrate the advanced skills and strategies required to create professionally designed documents. You will implement design thinking strategies for creating engaging marketing materials, brochures, and professional editorial design. You will create high-quality layouts that provide tangible design solutions to the design problems identified in the mock client work.

GRPH 191 Job Production 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MATH 165

Corequisite(s): COM 160, GRPH 151, GRPH 210

Building on the skills you acquired throughout the first year of the Graphic Communications program, you will co-ordinate and produce a variety of projects to industry standards.

GRPH 200 Advanced Image Editing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 109

You will study advanced image editing techniques including colour correction, batch processes, automation, and photo retouching. You will learn to produce consistent work as you research and employ advanced image editing techniques.

GRPH 200CE Advanced Raster Skills

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): GRPH 109

You will study advanced image editing techniques including colour correction, batch processes, automation, and photo retouching. You will learn to produce consistent work as you research and employ advanced image editing techniques.

GRPH 201 Advanced Vector Graphics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 118

You will study advanced vector techniques to create quality vector graphics. You will learn to produce consistent work as you research and employ advanced vector techniques.

GRPH 201CE Advanced Vector Skills

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): GRPH 118

You will study advanced vector techniques to create quality vector graphics. You will learn to produce consistent work as you research and employ advanced vector techniques.

GRPH 202 Electronic Publishing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 109, GRPH 118

Equivalent Course(s): MULT 132

Using popular layout software, you will learn to create professionally formatted print and digital documents. You will learn to optimize your production workflow and create interactive documents.

GRPH 202CE Electronic Publishing

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): GRPH 109, GRPH 118

Using popular layout software, you will learn to create professionally formatted print and digital documents. You will learn to optimize your production workflow and create interactive documents.

GRPH 203 Introduction to Colour Management

Credit Units: 1.0 Course Hours: 15.0

You will study colour management processes that produce consistent and accurate output. You will learn how to manage colour on a computer system.

GRPH 203CE Introduction to Colour Management

Credit Units: 1.0 Course Hours: n/a

You will study colour management processes that produce consistent and accurate output. You will learn how to manage colour on a computer system.

GRPH 204 Motion Graphics 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 117

Your studies will expand upon your previously acquired knowledge of motion design. You will expand your knowledge of the principles of motion design as you create compelling visual stories, animating logos, images, and campaign visual assets. You will create motion design campaign items as you optimize and output items for real-world applications.

GRPH 207 Digital Output

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 154

Your studies will equip you with the knowledge to prepare industry standard print-ready files for digital output. You will acquire the skills required to develop on demand printing using variable data. You will perform digital trapping and imposition and examine why they are crucial to printing success in the graphic communications industry.

GRPH 208 Digital Illustration 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 152*

Using popular illustration software, you will continue to develop the skills required to create vector artwork. You will identify strategies for creating logos, icons, infographics and more. You will learn industry-standard best practices for outputting vector files.

GRPH 209 Print Media 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 158

Your studies will focus on vinyl application and screen-printing onto a variety of textiles. You will create, output and assemble multi-colour vector illustrations using the vinyl cutter and the screen printing process.

GRPH 210 Premedia 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 239*

Your studies will equip you with the knowledge to prepare industry standard print-ready files for distribution within the graphic communications industry. You will create a multi-item campaign for cross-media production.

GRPH 210CE Premedia 1

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): GRPH 239*

Your studies will equip you with the knowledge to prepare industry standard print-ready files for distribution within the graphic communications industry. You will create a multi-item campaign for cross-media production.

GRPH 211 Premedia 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 239

Your studies will equip you with the knowledge to prepare industry standard, digital and print-ready, files for distribution within the graphic communications industry. You will create a multi-item campaign for cross-media production.

GRPH 212 Premedia 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 239

Your studies will equip you with the knowledge to prepare industry standard, digital and print-ready files for distribution within the graphic communications industry. You will create a multi-item campaign for cross-media production.

GRPH 213 Editorial Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 234*

Your studies will equip you with the knowledge to prepare industry standard digital and print-ready files. You will learn the fundamental strategies required to create, output, and prepare a job package for long documents.

GRPH 214 Campaign 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MULT 120, DSGN 202*

You will build on skills developed in previous courses to design a multi-item digital campaign. You will identify client problems and develop strategies to execute design solutions. You will prepare user-friendly, industry-standard digital files for distribution within the graphic communications industry.

GRPH 230 Packaging Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 116

Your studies will equip you with the knowledge to prepare industry standard, digital and print-ready files for distribution within the graphic communications industry. You will create multi-item campaigns for packaging products.

GRPH 231 Project Management 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 213

Your studies will equip you with the skills and techniques required to complete a variety of basic and advanced campaign items according to client specifications, with real-world time restraints. You will explore and develop strategies for completing time-sensitive tasks. You will strategically complete time-sensitive projects, ensuring deadlines are met while clients' specifications are followed.

GRPH 232 Design 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 150*

You will learn the creative process and design problem solving steps. You will develop composition and type-pairing strategies as well as explore various colour relationships. Using fundamental design knowledge and skills you acquire in this course; you will create a logo and complementary pieces for a specified client.

GRPH 233 Design 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 232

Your study of typography will expand to the experimental and expressive use of type. You will also define design project goals, develop a design rationale, create complementary design pieces targeted to multiple audiences and present your design project to your classmates.

GRPH 234 Brand Strategy

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 116, GRPH 111

You will be introduced to the brand development process. You will learn the role that research and analysis plays in branding and how to develop core brand values and understand your audience. Your studies will also help you develop the visual vocabulary to communicate the message and develop a strong visual identity package.

GRPH 239 Premedia Preparation

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 187

Your studies will equip you with the knowledge to prepare industry standard, digital and print-ready files for distribution within the graphic communications industry. Your studies will cover how to combine the individual concepts you have acquired from previous courses, into a cohesive workflow.

GRPH 240 Image Editing Software

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 211

You will acquire the practical skills required for the efficient use of image editing software by using Adobe Photoshop to build a wide range of real-world projects to be included in a professional portfolio.

GRPH 241 Image Editing 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 240

Lab experience will help you acquire the practical skills required to create unique and eye-catching photographic effects. You will learn how to enhance images through adding light for emphasis, adding drop and directional shadows, and using motion blur and film grain creatively. You will also cover how to add a distressed look to create a vintage-style photograph, use infrared and solarization, and apply creative layer blending.

GRPH 242 Image Editing 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 241

Building on the skills you developed in GRPH 241, you will focus on applying a variety of effects to images using Adobe Photoshop. The course combines practical experience in editing images for the development of advertising concepts, high quality print output, and inclusion in a professional portfolio.

GRPH 243 Marketing 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 139

You will learn about social media marketing in today's fast-changing environment. The course content includes social strategy, content creation, mobile photography, and graphic design. You will learn how to develop and define your social media platforms with a marketing communications plan.

GRPH 244 Project Management 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 213

Your studies will equip you with the skills and techniques to work with external clients on real-world projects. You will develop strategies for organizing all aspects of complex projects. Your strategies will lead to the development of internal workflow processes, and external communication processes, to streamline internal and external aspects of projects. You will work on a work-integrated learning project that will test your processes, and use your previously acquired program skills, as you create real-world projects for clients. Finally, you will reflect on the efficacy of your processes, with the goal of refinement for future projects.

GRPH 268 Sheetfed Offset Press Orientation

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): GRPH 191

You will be able to recognize the basic types, systems, specifications, and configurations of a sheetfed offset press.

GRPH 269 Safety

Credit Units: 2.0 Course Hours: 25.0

Prerequisite(s): GRPH 268

You will understand and demonstrate proper safety procedures for sheetfed offset press operation.

GRPH 270 Feeder System

Credit Units: 2.0 Course Hours: 25.0

Prerequisite(s): GRPH 269

You will identify feeder system components and types. You will safely operate and troubleshoot the feeder system including the pickup and paperfeed devices.

GRPH 271 Sheet Register System

Credit Units: 2.0 Course Hours: 25.0

Prerequisite(s): GRPH 270

You will identify and operate the components of the register system of a sheetfed offset press.

GRPH 272 Delivery System

Credit Units: 2.0 Course Hours: 25.0

Prerequisite(s): GRPH 271

You will work with each component of a chain delivery system. You will troubleshoot sheet register system and delivery system operations.

GRPH 273 Printing Unit

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): GRPH 272

You will explain plate, blanket, and impression cylinder principles; describe and implement proper procedures for packing, mounting, and removing plates and blankets; properly align and adjust cylinders; and troubleshoot plate, blanket, and printing unit problems.

GRPH 274 Inking System

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): GRPH 273

You will explain ink and colour theory and inking system principles, list and describe components and characteristics of ink, perform proper selection, handling, and usage of ink, perform care and maintenance of the inking systems, and troubleshoot ink-related problems.

GRPH 275 Dampening System

Credit Units: 2.0 Course Hours: 25.0

Prerequisite(s): GRPH 274

You will explain dampening principles and chemistry; describe the components and operating principles of conventional and continuous-flow dampening systems; and troubleshoot dampening-related problems.

GRPH 276 Press Makeready

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): GRPH 275

You will list and describe guidelines and procedures for efficient makeready; identify and explain quality control and colour measurement devices used during makeready; identify makeready problems and their solutions; and perform operation and procedures to prepare the sheetfed offset press for production, including achieving register and bringing the press up to colour.

GRPH 277 Press Production

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): GRPH 276

You will safely and properly operate the sheetfed press by completing the following objectives: set up the press, maintain register, colour, and quality during the pressrun, recognize a problem when it occurs, determine its causes, and take corrective action.

GRPH 278 Preventative Maintenance

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): GRPH 277

You will explain the importance of regularly scheduled equipment maintenance and prepare a schedule for the maintenance of particular press areas, including procedures for lubrication and the maintenance of mechanical, electrical, pneumatic, and hydraulic systems.

GRPH 279 Press Operation 2

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): GRPH 278

Building on the skills you acquired throughout the Graphic Communications program, you will produce a variety of two colour and four colour projects to industry standards.

GRPH 291 Job Production 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 231*, GRPH 233*

Building on the skills you acquired throughout the first and second years of the Graphic Communications program, you will coordinate and produce a variety of projects to industry standards.

Course Descriptions H

HADM 183 Front Office Operations and Management

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): HADM 182

You will study the application of management concepts in a front office operation including: an overview of the front desk, the guest cycle, guest services, security issues and procedures, as well as yield management techniques and trends. You will train on the Opera front office property management system.

HADM 184 Revenue and Operations Management

Credit Units: 3.0 Course Hours: 45.0

You will learn to apply operational techniques in the hospitality industry. You will develop skills in room forecasting, rooms division budgeting, pro-forma and labour cost controls, night audit procedures, statistical reports and financial analysis.

HADM 186 Housekeeping Management

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): HADM 181

You will learn how a hotel's housekeeping department is organized and how it functions. You will examine the roles and duties of housekeeping management in planning, organizing, scheduling and controlling workloads. You will identify cleaning procedures, equipment and supplies requirements, safety and security concerns and housekeeping environmental concerns.

HADM 187 Hospitality Career Development

Credit Units: 2.0 Course Hours: 30.0

You will discuss the scope, nature and trends of the hospitality industry. You will develop a personal career action plan and the skills necessary to be successful in today's job market. Finally, you will learn strategies for developing resumes, cover letters and professional image and will have an opportunity to practice job interview skills.

HADM 188 Rooms Division Management

Credit Units: 4.0 Course Hours: 60.0

You will study the application of management concepts relating to a hotel's Rooms Division including: an overview of the front desk and housekeeping departments, the guest cycle, guest services, security issues and procedures, effective inventory management as well as the environmental concerns relating to the Rooms Division. You will train on current industry software (Opera Property Management System) to perform actual operations.

HAIR 100 Foundations of Hairstyling

Credit Units: 4.0 Course Hours: 60.0

You will explore sciences as they relate to hairstyling. The course content includes chemistry, physics, anatomy and physiology, trichology, nutrition and metric conversion. You will examine communication skills for hairstylists.

HAIR 101 Shampoos and Treatments

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SANT 108*

You will study the practice and theory in shampooing, finishing rinses, hair treatments and scalp treatments. You will develop the knowledge required to recognize diseases and disorders of the scalp.

HAIR 102 Hairstyling and Braiding Principles

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SANT 108*

The course is an introduction to the basic principles of finger waves, pin curls, roller sets, comb-outs, blow waving and braiding techniques. You will learn to style hair to suit particular client features.

HAIR 103 Conventional Wet Styling

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HAIR 102*

The course examines the practical application of pin curling, finger waving, wet set styling and comb-outs.

HAIR 104 Thermal Styling

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HAIR 102*

You will practice air waving, blow waving and iron waving techniques.

HAIR 105 Chemical Waving

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HAIR 100*, HAIR 101*

You will study and practice all aspects of chemically treating the hair either through permanent waving or chemical relaxing.

HAIR 106 Basic Hair Colouring

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HAIR 100*, HAIR 101*

You will study all aspects of colouring with emphasis on practical applications of temporary, semi-permanent and permanent hair colouring techniques.

HAIR 107 Hairshaping Mechanics

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SANT 108*

You will be introduced to the basic principles of cutting mechanics. You will gain an understanding of the use of hairshaping tools, angles and the elevation of cutting techniques (in theory and in practical).

HAIR 108 Specialized Hair Colouring and Lightening

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HAIR 106*

You will focus on specialized colouring techniques with emphasis on the practical application of lightening and toning, creative lightening techniques and specialized colouring techniques.

HAIR 109 Wigs and Hair Pieces

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): HAIR 101*, HAIR 104*

You will practice cleaning and styling human and synthetic wigs, hair pieces and extensions. In your studies you will practice consultation, fitting and styling for wigs, hair extensions, and hair pieces.

HAIR 110 Hairstyling Artistry

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HAIR 103*, HAIR 104*

You will pre-plan and perform an individualized hairstyle by analyzing the elements of design and suitability of a hairstyle to suit your client's needs. The course expands on the basic mechanics of hairstyling to help you create special effects using specialized styling techniques.

HAIR 111 Hairshaping Artistry

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HAIR 107*

You will expand on basic haircutting techniques with an introduction to art principles, creating individualized designs, custom design, and cutting. You will learn how to pre-plan a precision hairshape to suit the client's needs, lifestyle, body stature and styling abilities.

HAIR 112 Chemical Waving Artistry

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): HAIR 105*

You will plan and wrap chemical wave designs including specialized techniques for all hair lengths.

HAIR 113 Men's Hairshaping

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): HAIR 111*

You will practice barbering techniques for unisex styling. These techniques include clipper cutting, shear/comb techniques, razor/combing.

HEAT 100 Heating Systems

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): ENGP 107

You will study the components of hydronic, steam heating, electric, infrared, and warm air heating. You will operate hydronic, electric, infrared, and warm air heating systems. Your studies will involve ventilation and humidification. You will perform heating system maintenance.

HEMA 110 Hematology Procedures

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PROC 180, PROC 185, INFC 180, MTER 180, QC 101

Your studies will focus on the principles and application of cell counting analyzers, manual test procedures and peripheral blood film preparation. You will perform and assess a complete blood count (CBC). You will perform, assess and correlate manual test procedures to clinical conditions. You will apply previously learned laboratory theory and skills.

HEMA 179 Hematology

Credit Units: 5.0 Course Hours: 74.0

Prerequisite(s): MTER 180, PROC 180*, QC 194*

You will focus on laboratory procedures performed routinely in the clinical laboratory. These include the theory and use of hematology analyzers and the assessment of peripheral blood films.

HEMA 188 Hemopathology - Erythrocytes

Credit Units: 2.0 Course Hours: 35.0

Prerequisite(s): HEMA 179

You will explore the pathophysiology of various anemias as related to the laboratory involvement in diagnosis and treatment. You will also learn the special laboratory tests used for differential diagnosis. You will apply this theory to assess laboratory tests for analytical discrepancies and result validity.

HEMA 189 Hemopathology - Leukocytes

Credit Units: 2.0 Course Hours: 32.0

Prerequisite(s): HEMA 179

You will explore the pathophysiology of blood diseases involving primarily leukocytes as related to the laboratory involvement with diagnosis and treatment. You will also learn the special laboratory tests used for differential diagnosis. You will apply this theory to assess laboratory tests for analytical discrepancies and result validity.

HEMA 191 Fundamental Hemopathology

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to the pathophysiology of blood diseases. You will study the impact of disease on leukocytes and the role of the laboratory in diagnosis and treatment.

HEMA 192 Introductory Hemostasis

Credit Units: 2.0 Course Hours: 35.0

Prerequisite(s): MTER 180, PROC 180*, IMMU 183*, QC 194*

You will study secondary hemostasis and fibrinolysis. You will learn to perform, assess and correlate common screening tests used to detect and monitor treatment of hemostasis disorders.

HEMA 210 Hematology Evaluate Peripheral Blood Smears

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HEMA 110

Your studies will focus on the principles and application of peripheral blood smear assessment. You will apply previously learned laboratory theory and skills to correlate Complete Blood Count (CBC) and peripheral blood film results to clinical conditions.

HEMA 211 Hemostasis

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MTER 180, INFC 180, PROC 185, PROC 180, QC 101

Equivalent Course(s): HEMA 192

You will study primary hemostasis, secondary hemostasis and fibrinolysis. You will learn to perform, assess and correlate common screening tests used to detect and monitor treatment of hemostasis disorders. You will continue to apply previously learned knowledge, laboratory theory and skills.

HEMA 212 Hemostasis Advanced

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PROC 185, PROC 180, QC 101

Equivalent Course(s): HEMA 283

You will study disorders associated with primary hemostasis, secondary hemostasis, fibrinolysis and thrombophilia. You will learn to perform, assess and correlate common screening and confirmatory tests used to detect and monitor treatment of hemostasis disorders. You will continue to apply previously learned knowledge, laboratory theory and skills.

HEMA 213 Hematology Pathology

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HEMA 210

You will study the pathophysiology of various blood diseases involving erythrocytes, leukocytes and thrombocytes. You will learn the laboratory tests used for differential diagnosis and correlate results to clinical conditions. You will apply this theory to assess laboratory tests for analytical discrepancies and result validity. You will continue to apply previously learned laboratory theory and skills.

HEMA 281 Animal Hematology 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): APHY 281, VETR 279, VETR 287

Corequisite(s): ANES 279, CHEM 280, HEMA 282, PRST 280, SEM 281, VETR 290

You will become familiar with the composition, structure and function of blood as it relates to domestic animals, avian and selected exotic species. You will study erythrocytes, leukocytes and platelets in health. Your laboratory work will focus on diagnostic procedures commonly done in veterinary practice.

HEMA 282 Animal Hematology 2

Credit Units: 3.0 Course Hours: 50.0

Corequisite(s): ANES 279, CHEM 280, HEMA 281, PRST 280, SEM 281, VETR 290

Building on what you learned in Animal Hematololgy 1, HEMA 281, you will review the changes in parameters of erythrocytes, leukocytes and platelets of domestic animals in disease states. Your laboratory work will focus on manual and semi-automated diagnostic procedures commonly done in veterinary practice.

HEMA 283 Advanced Hemostasis

Credit Units: 2.0 Course Hours: 28.0

Prerequisite(s): HEMA 192

You will study disorders associated with primary hemostasis, secondary hemostasis, fibrinolysis and thrombophilia. You will learn to perform, assess and correlate specialized hemostasis tests used to differentiate and monitor these disorders.

HEOP 140 Construction Survey Specifications

Credit Units: 1.0 Course Hours: 15.0

You will learn to identify construction symbols and terms, check grades, install a culvert and identify road-building stages.

HEOP 141 Motor Scraper

Credit Units: 5.0 Course Hours: 75.0

You will learn to identify components and controls, and discuss the purposes of a motor scraper. You will also receive hands-on training in operating a motor scraper.

HEOP 142 Crawler Tractor

Credit Units: 5.0 Course Hours: 75.0

You will learn to identify components and controls, and discuss the purposes of a crawler tractor. You will also receive hands-on training in operating a crawler tractor.

HEOP 143 Backhoe

Credit Units: 5.0 Course Hours: 75.0

You will learn to identify components and controls, and discuss the purposes of a backhoe. You will also receive hands-on training in operating a backhoe.

HEOP 144 Motor Grader

Credit Units: 5.0 Course Hours: 75.0

You will learn to identify components and controls, and discuss the purposes of a motor grader. You will also receive hands-on training in operating a motor grader.

HEOP 145 Front End Loader

Credit Units: 5.0 Course Hours: 75.0

You will learn to identify components and controls, and discuss the purposes of a front end loader. You will also receive hands-on training in operating a front end loader.

HEOP 146 Skid Steer Loader

Credit Units: 5.0 Course Hours: 75.0

You will learn to identify components and controls, and discuss the purposes of a skid steer loader. You will also receive hands-on training in operating a skid steer loader.

HEOP 148 Excavator

Credit Units: 5.0 Course Hours: 75.0

You will learn to identify components and controls, and discuss the purposes of an excavator. You will also receive hands-on training in operating an excavator.

HEOP 156 Rock Truck

Credit Units: 5.0 Course Hours: 75.0

You will learn to identify components and controls and will discuss the purposes of a rock truck. You will also receive hands-on training in operating a rock truck.

HINF 160 Health Record Systems

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGL 101*, COMP 179*

Equivalent Course(s): HLRC 162

You will explore the structure of the health care system and uses of health information. You will study federal and provincial legislation regarding health records and the ethical/legal considerations involved in the confidentiality of health information. You will examine basic health information management department procedures.

HINF 160CE Health Record Systems

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): ENGL 101*, COMP 179*

You will explore the structure of the health care system and uses of health information. You will study federal and provincial legislation regarding health records and the ethical/legal considerations involved in the confidentiality of health information. You will examine basic health information management department procedures.

HINF 161 Health Information Analysis 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): COMP 174, CLIN 236*

You will learn how to retrieve, analyze and present data/information. You will also become familiar with the use and content of the basic Canadian Institute for Health Information (CIHI) reports, data presentation and graphic techniques.

HINF 161CE Health Information Analysis 1

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): COMP 174, CLIN 236*

You will learn how to retrieve, analyze and present data/information. You will also become familiar with the use and content of the basic Canadian Institute for Health Information (CIHI) reports, data presentation and graphic techniques.

HINF 260 Epidemiology and Population Health

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PRAC 165

Your studies will include the nature and scope of epidemiology (especially as these relate to health information systems). You will study the distribution of diseases in populations and factors that influence the occurrence of disease. You will learn the steps involved in writing a research paper and apply the steps to a specific disease model.

HINF 260CE Epidemiology and Population Health

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): PRAC 165

Your studies will include the nature and scope of epidemiology (especially as these relate to health information systems). You will study the distribution of diseases in populations and factors that influence the occurrence of disease. You will learn the steps involved in writing a research paper and apply the steps to a specific disease model.

HINF 261 Health Information Analysis 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PRAC 165

Building on the skills you developed in Health Information Analysis 1 (HINF 161), your studies will focus on the research, design and methodology of health information analysis and utilization. You will also review various health information sources and documentation. You will be introduced to data analysis, nomenclatures, various classification systems and Management Information Systems (MIS) standards.

HINF 261CE Health Information Analysis 2

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): PRAC 165

Building on the skills you developed in Health Information Analysis 1 (HINF 161), your studies will focus on the research, design and methodology of health information analysis and utilization. You will also review various health information sources and documentation. You will be introduced to data analysis, nomenclatures, various classification systems and Management Information Systems (MIS) standards.

HINF 262 Health Care Law and Ethics

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HINF 264*

You will become familiar with health law (especially as it pertains to health information) and the issues associated with the privacy, confidentiality and security of health information. You will identify appropriate ethical conduct in pursuing your professional role and gain an overview of legislation relating to health care and health information. You will examine the legal responsibilities and ethical situations for Indigenous peoples under health law. You will be able to design policies related to privacy, confidentiality, security and participate in risk management activities.

HINF 262CE Health Care Law and Ethics

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): HINF 264*

You will become familiar with health law (especially as it pertains to health information) and the issues associated with the privacy, confidentiality and security of health information. You will identify appropriate ethical conduct in pursuing your professional role and gain an overview of legislation relating to health care and health information. You will examine the legal responsibilities and ethical situations for Indigenous peoples under health law. You will be able to design policies related to privacy, confidentiality, security and participate in risk management activities.

HINF 263 Human Resource Management and the Employee

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): HR 120

Your studies will focus on management theories, maintaining collaborative relationships, managing and evaluating staff development, examining self-performance and development, and discussing human rights and labour standards.

HINF 263CE Human Resource Management and the Employee

Credit Units: 2.0 Course Hours: n/a

Your studies will focus on management theories, maintaining collaborative relationships, managing and evaluating staff development, examining self-performance and development, and discussing human rights and labour standards.

HINF 264 Theories and Concepts of Program Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 165

You will gain an understanding of health information systems, project management, policies and procedures and needs assessment. Your studies will prepare you for business and strategic planning and introduce you to program management concepts.

HINF 264CE Theories and Concepts of Program Management

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 165

You will gain an understanding of health information systems, project management, policies and procedures and needs assessment. Your studies will prepare you for business and strategic planning and introduce you to program management concepts.

HINF 265 Health Information Systems

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 175*, COMP 176*

Your studies will prepare you to manage and evaluate changes in computer technology and information systems. You will acquire the skills to participate in analyzing and planning for system changes that affect health information files.

HINF 265CE Health Information Systems

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): COMP 175*, COMP 176*

Your studies will prepare you to manage and evaluate changes in computer technology and information systems. You will acquire the skills to participate in analyzing and planning for system changes that affect health information files.

HINF 266 Health Standards and Informatics

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): HINF 261*, HINF 264*

Your studies will involve learning about health informatics and how eHealth impacts the health information management professional. You will study common health informatics standards, including Health Level Seven (HL7).

HINF 266CE Health Standards and Informatics

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): HINF 261*, HINF 264*

Your studies will involve learning about health informatics and how eHealth impacts the health information management professional. You will study common health informatics standards, including Health Level Seven (HL7).

HIST 100 History of Agriculture in Western Canada

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the history of agriculture in Western Canada from pre-contact to present day. You will examine climate and geography, Indigenous peoples, immigration, farm settlements and the formation of agricultural societies. You will also examine the historical context of new markets, product segmentation and diversification.

HIST 221 Architectural History: Context for Saskatchewan

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): HIST 220

You will discuss the historical shaping of Saskatchewan's built environment, considering vernacular approaches and European influences. You will also consider the heritage significance of Saskatchewan buildings.

HIST 280 World History

Credit Units: 3.0 Course Hours: 45.0

You will study major patterns of change and continuity from 1450 to the 21st Century. You will learn to interpret change and historical causation, which will increase your ability to perform comparative analysis. You will focus on forces that cut across societies globally, and relate these forces to current issues in politics, economics, religion, gender and culture.

HIST 30 History 30

Credit Units: 1.0 Course Hours: 100.0

High School Completion Course.

HLTH 100 Specialized Therapeutics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GERI 100, HLTH 101, HLTH 102, HLTH 103, MHA 100, PALL 100

You will study advanced assessments and focus on the skills involved in community patient care. You will study the fundamentals of safe specimen collection and immunizations. You will participate in labs and online discussions that will help you to develop the skills necessary for assessing and providing care for patients specific to home health, wound care, phlebotomy and immunizations. Upon completion of this course you will receive a statement of achievement in phlebotomy, spirometry and Transportation of Dangerous Goods.

HLTH 100CE Specialized Therapeutics

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): GERI 100, HLTH 101, HLTH 102, HLTH 103, MHA 100, PALL 100

You will study advanced assessments and focus on the skills involved in community patient care. You will study the fundamentals of safe specimen collection and immunizations. You will participate in labs and online discussions that will help you to develop the skills necessary for assessing and providing care for patients specific to home health, wound care, phlebotomy and immunizations. Upon completion of this course you will receive a statement of achievement in phlebotomy, spirometry and Transportation of Dangerous Goods.

HLTH 101 Chronic Disease Management

Credit Units: 3.0 Course Hours: 45.0

You will study the pathophysiology of common disease processes. You will focus on the management of diabetes, chronic pain, cancer and respiratory and cardiac disorders. You will also study culture and ethnicity and the care of special needs patients. You will participate in labs and online discussions designed to help develop the skills required to assess and assist a patient in their chronic disease management.

HLTH 101CE Chronic Disease Management

Credit Units: 3.0 Course Hours: n/a

You will study the pathophysiology of common disease processes. You will focus on the management of diabetes, chronic pain, cancer and respiratory and cardiac disorders. You will also study culture and ethnicity and the care of special needs patients. You will participate in labs and online discussions designed to help develop the skills required to assess and assist a patient in their chronic disease management.

HLTH 102 Community Paramedic Role and Prevention Strategies

Credit Units: 3.0 Course Hours: 45.0

You will study the role of a community paramedic as both members of a health care team and in health promotion. You will focus on determinants of health, the concepts of primary health care and how health care services are delivered. You will also explore the different health related community resources and housing options available. You will participate in online discussions to help you to better understand the role of a community paramedic.

HLTH 102CE Community Paramedic Role and Prevention Strategies

Credit Units: 3.0 Course Hours: n/a

You will study the role of a community paramedic as both members of a health care team and in health promotion. You will focus on determinants of health, the concepts of primary health care and how health care services are delivered. You will also explore the different health related community resources and housing options available. You will participate in online discussions to help you to better understand the role of a community paramedic.

HLTH 103 Community Assessment

Credit Units: 3.0 Course Hours: 45.0

You will perform a community assessment by identifying community services available, health status, demographics and current gaps in health services. You will use your results to design a plan for implementation of a community paramedic.

HLTH 103CE Community Assessment

Credit Units: 3.0 Course Hours: n/a

You will perform a community assessment by identifying community services available, health status, demographics and current gaps in health services. You will use your results to design a plan for implementation of a community paramedic.

HLTH 104 Wholistic Health

Credit Units: 4.0 Course Hours: 60.0

You will learn a wholistic approach that promotes health and wellness of all Indigenous and non-Indigenous persons with disabilities and disability support workers. You will study the role of the disability support worker in promoting person-centred decision-making, sexual well-being, abuse prevention and intervention in your professional role.

HLTH 104CE Wholistic Health

Credit Units: 4.0 Course Hours: n/a

You will learn a wholistic approach that promotes health and wellness of all Indigenous and non-Indigenous persons with disabilities and disability support workers. You will study the role of the disability support worker in promoting person-centred decision-making, sexual well-being, abuse prevention and intervention in your professional role.

HLTH 105 Fatigue Management

Credit Units: 2.0 Course Hours: 30.0

You will gain an understanding of fatigue management concepts and principles through the exploration of individual and organizational factors that are linked to increased risk of fatigue. Using practical tools, you will develop a basic fatigue management plan that addresses the effects of fatigue, concepts of sleep science and effective strategies to reduce the risks associated with fatigue. The course explores topics through various online activities such as self-assessments, discussions, and engaging assignments.

HLTH 105CE Fatigue Management

Credit Units: 2.0 Course Hours: n/a

You will gain an understanding of fatigue management concepts and principles through the exploration of individual and organizational factors that are linked to increased risk of fatigue. Using practical tools, you will develop a basic fatigue management plan that addresses the effects of fatigue, concepts of sleep science and effective strategies to reduce the risks associated with fatigue. The course explores topics through various online activities such as self-assessments, discussions, and engaging assignments.

HLTH 106 Psychological Health and Safety

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to the National Standard of Canada for Psychological Health and Safety. You will learn about the 13 psychosocial factors that promote mental health, psychological safety, and workplace engagement while reflecting on their personal workplace experiences. The course involves various learning activities to deepen students' knowledge of the importance and benefits of incorporating a Psychological Health and Safety Program into the workplace. You will gain practical strategies for mental health promotion in the workplace, including resources for creating and implementing a psychological wellness plan.

HLTH 106CE Psychological Health and Safety

Credit Units: 2.0 Course Hours: n/a

You will be introduced to the National Standard of Canada for Psychological Health and Safety. You will learn about the 13 psychosocial factors that promote mental health, psychological safety, and workplace engagement while reflecting on their personal workplace experiences. The course involves various learning activities to deepen students' knowledge of the importance and benefits of incorporating a Psychological Health and Safety Program into the workplace. You will gain practical strategies for mental health promotion in the workplace, including resources for creating and implementing a psychological wellness plan.

HLTH 120 Communicable Diseases

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SPCR 180

You will examine the profiles of common communicable diseases both in the community and in institutional settings. You will practice specific prevention strategies.

HLTH 151 Stress Management in Helping Profession

Credit Units: 2.0 Course Hours: 24.0

Prerequisite(s): CAPL 146

You will examine the various types, causes and effects of stress on an individual. You will learn how to assess stress levels and apply stress management techniques personally and for those experiencing stress as a result of mental health and chemical dependency. You will explore the use of cultural activities to manage stressors.

HLTH 162 Understanding Diabetes

Credit Units: 4.0 Course Hours: 60.0

You will study the basics of diabetes, including support required by the client in diabetes management and prevention. You will learn about risk factors, what happens in the body when diabetes develops, the different types of diabetes, and how diabetes can be prevented.

HLTH 162CE Understanding Diabetes

Credit Units: 4.0 Course Hours: n/a

You will study the basics of diabetes, including support required by the client in diabetes management and prevention. You will learn about risk factors, what happens in the body when diabetes develops, the different types of diabetes, and how diabetes can be prevented.

HLTH 163 Managing Diabetes

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HLTH 162

You will learn the five important parts of diabetes management and ways to support the client in promoting and reinforcing the importance of a healthy lifestyle. You will study the basic actions of oral medications and insulin, their side effects and what to do about them. You will also learn how to address cultural traditions and differences in managing diabetes.

HLTH 163CE Managing Diabetes

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): HLTH 162

You will learn the five important parts of diabetes management and ways to support the client in promoting and reinforcing the importance of a healthy lifestyle. You will study the basic actions of oral medications and insulin, their side effects and what to do about them. You will also learn how to address cultural traditions and differences in managing diabetes.

HLTH 164 Managing Highs and Lows

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): EDUC 160

You will learn how to support the client in preventing and managing the two acute complications of diabetes (hypoglycemia and hyperglycemia). You will be introduced to the tools used to monitor for changes in blood glucose, how to use them and what to do with the results. You will also learn how to document and report your findings.

HLTH 164CE Managing Highs and Lows

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): EDUC 160

You will learn how to support the client in preventing and managing the two acute complications of diabetes (hypoglycemia and hyperglycemia). You will be introduced to the tools used to monitor for changes in blood glucose, how to use them and what to do with the results. You will also learn how to document and report your findings.

HLTH 165 Lab Component

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): HLTH 164

You will discuss the role of community development in diabetes prevention and management. You will review the Behavioral Change Model. You will practice basic teaching principles in a small group. You will practice blood glucose monitoring and ketone testing and demonstrate these procedures accurately prior to being certified to perform them with clients. You will also practice basic foot assessment.

HLTH 165CE Lab Component

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): HLTH 164

You will discuss the role of community development in diabetes prevention and management. You will review the Behavioral Change Model. You will practice basic teaching principles in a small group. You will practice blood glucose monitoring and ketone testing and demonstrate these procedures accurately prior to being certified to perform them with clients. You will also practice basic foot assessment.

HLTH 166 Long-term Complications

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HLTH 164

Your studies will focus on the diabetes complications that can be prevented or delayed. You will be introduced to the different tools used to monitor diabetes status and identify how they help in preventing complications. You will learn the importance of good foot and skin care, how to assess for changes and how to teach clients the basics of good foot care.

HLTH 166CE Long-term Complications

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): HLTH 164

Your studies will focus on the diabetes complications that can be prevented or delayed. You will be introduced to the different tools used to monitor diabetes status and identify how they help in preventing complications. You will learn the importance of good foot and skin care, how to assess for changes and how to teach clients the basics of good foot care.

HLTH 167 Special Considerations

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HLTH 166

You will examine situations that can affect the day-to-day management of diabetes. You will learn how to assess and care for clients with an acute illness. You will also learn why pre-planning for events like feasts, travel, sick days or surgery help to enhance diabetes self-care.

HLTH 167CE Special Considerations

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): HLTH 166

You will examine situations that can affect the day-to-day management of diabetes. You will learn how to assess and care for clients with an acute illness. You will also learn why pre-planning for events like feasts, travel, sick days or surgery help to enhance diabetes self-care.

HLTH 179 Fundamentals of Industrial Hygiene 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): LAW 100

Equivalent Course(s): HLTH 188

You will be introduced to the principles of industrial hygiene, sometimes referred to as occupational hygiene. You will be prepared to anticipate, recognize, evaluate, and control workplace hazards. Specific topics include occupational contamination and chemical, biological, and radiation hazards.

HLTH 179CE Fundamentals of Industrial Hygiene 1

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): LAW 100

You will be introduced to the principles of industrial hygiene, sometimes referred to as occupational hygiene. You will be prepared to anticipate, recognize, evaluate, and control workplace hazards. Specific topics include occupational contamination and chemical, biological, and radiation hazards.

HLTH 180 Risk Analysis and Hazard Control

Credit Units: 3.0 Course Hours: 52.0

Prerequisite(s): SFTY 191

Organizational culture and behaviour directly impact the effectiveness of an occupational health and safety system. Your studies will focus on corporate culture, organization behaviour, risk analysis and hazard identification. Critical thinking skills, problem solving abilities, monitoring strategies and control recommendations will be emphasized.

HLTH 181 Occupational Health and Safety Programming

Credit Units: 3.0 Course Hours: 52.0

Prerequisite(s): HLTH 180, EDUC 182

You will learn to develop an organizational health and safety program and manual. Opportunity to practice evaluating, revising and implementing guidelines and programs will enhance your ability to determine prevention strategies and corrective action plans.

HLTH 182 Quality of Life Enhancements

Credit Units: 3.0 Course Hours: 45.0

You will explore community based and person-centred planning and decision making based on the full participation of persons with disabilities. You will use a wholistic approach to quality of life enhancements and explore the Indigenous community.

HLTH 182CE Quality of Life Enhancements

Credit Units: 3.0 Course Hours: n/a

You will explore community based and person-centred planning and decision making based on the full participation of persons with disabilities. You will use a wholistic approach to quality of life enhancements and explore the Indigenous community.

HLTH 183 Health Promotion in Youth Care

Credit Units: 3.0 Course Hours: 45.0

You will discuss a holistic approach to wellness with a focus on personal health. You will receive instruction in the lifestyle practices that promote health and wellness. You will study workplace safety practices and have the opportunity to demonstrate competency in practical skills necessary for worker and client safety.

HLTH 183CE Health Promotion in Youth Care

Credit Units: 3.0 Course Hours: n/a

You will discuss a holistic approach to wellness with a focus on personal health. You will receive instruction in the lifestyle practices that promote health and wellness. You will study workplace safety practices and have the opportunity to demonstrate competency in practical skills necessary for worker and client safety.

HLTH 187 Disability Management

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to disability management as a key essential component of an occupational health and safety program. Disability management starts at the time of illness or injury and continues until the individual has recovered and returned to work. In this course, you will acquire knowledge and skill to develop and implement a disability management program, including Workers' Compensation Board (WCB) claims information and return-to-work plans.

HLTH 187CE Disability Management

Credit Units: 4.0 Course Hours: n/a

You will be introduced to disability management as a key essential component of an occupational health and safety program. Disability management starts at the time of illness or injury and continues until the individual has recovered and returned to work. In this course, you will acquire knowledge and skill to develop and implement a disability management program, including Workers' Compensation Board (WCB) claims information and return-to-work plans.

HLTH 188 Fundamentals of Industrial Hygiene 1

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the basic principles of industrial hygiene, sometimes referred to as occupational hygiene. You will be prepared to anticipate, recognize, evaluate and control workplace hazards. Specific topics include occupational contamination, chemical, biological and radiation hazards, occupational disease and injuries.

HLTH 189 Fundamentals of Industrial Hygiene 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HLTH 179*

Industrial Hygiene is the science dedicated to preventing occupational illness or disease. This course builds on HLTH 188 Fundamentals of Industrial Hygiene 1. This course will prepare you to anticipate, recognize, evaluate, and control noise, thermal and other specific workplace hazards. In addition, you will be introduced to respiratory and ventilation methods of control.

HLTH 189CE Fundamentals of Industrial Hygiene 2

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): HLTH 179*

Industrial Hygiene is the science dedicated to preventing occupational illness or disease. This course builds on HLTH 188 Fundamentals of Industrial Hygiene 1. This course will prepare you to anticipate, recognize, evaluate, and control noise, thermal and other specific workplace hazards. In addition, you will be introduced to respiratory and ventilation methods of control.

HLTH 190 Incident Investigation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): LAW 100*, SFTY 173*

You will be introduced to incident investigation which is a critical tool in preventing incident reoccurrence and worker injury and illness in the realm of Occupational Health and Safety. You will study incident causation models and the processes to investigate incidents.

HLTH 190CE Incident Investigation

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): LAW 100*, SFTY 173*

You will be introduced to incident investigation which is a critical tool in preventing incident reoccurrence and worker injury and illness in the realm of Occupational Health and Safety. You will study incident causation models and the processes to investigate incidents.

HLTH 191 Ergonomics

Credit Units: 4.0 Course Hours: 60.0

You will examine the ergonomic factors that impact the human body. You will investigate the relationship between the human body and machines and review basic computer and industrial settings. You will further explore ergonomic programming, training, and communication strategies to complete basic ergonomic assessments in your workplace.

HLTH 191CE Ergonomics

Credit Units: 4.0 Course Hours: n/a

You will examine the ergonomic factors that impact the human body. You will investigate the relationship between the human body and machines and review basic computer and industrial settings. You will further explore ergonomic programming, training, and communication strategies to complete basic ergonomic assessments in your workplace.

HLTH 192 Respiratory Fit Testing Train the Trainer

Credit Units: 1.0 Course Hours: 15.0

You will examine the most recent Canadian Standards Association standard related to respiratory fit testing. You will examine the implementation of the standard in the workplace by occupational health and safety practitioners. You will also have an opportunity to conduct and observe fit testing. You will be trained as a Respiratory Fit Tester and be able to fit test other employees at your worksite. This course does not cover respirators required for Immediately Dangerous to Life or Health (IDLH) or oxygen deficient atmospheres.

HLTH 192CE Respiratory Fit Testing Train the Trainer

Credit Units: 1.0 Course Hours: n/a

You will examine the most recent Canadian Standards Association standard related to respiratory fit testing. You will examine the implementation of the standard in the workplace by occupational health and safety practitioners. You will also have an opportunity to conduct and observe fit testing. You will be trained as a Respiratory Fit Tester and be able to fit test other employees at your worksite. This course does not cover respirators required for Immediately Dangerous to Life or Health (IDLH) or oxygen deficient atmospheres.

HLTH 200 Health Care Operations

Credit Units: 2.0 Course Hours: 30.0

You will examine the unique inner workings of health care facilities and how they operate with focus on Lean concepts, mental health, safety and security, policy and procedure development, and meetings.

HLTH 262 Community Oral Health 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SOCI 171

You will be introduced to the health care system and the significant social, political, cultural and economic forces directing the system. You will discuss the determinants of health and apply them to oral health. You will write learning outcomes, select and operate audiovisual equipment, learn practical aspects of public speaking and present a short instructional session in preparation for promoting oral health to groups.

HLTH 266 Diabetes Management: A Review

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on a review of the basic features of diabetes and diabetes management. You will discuss topics related to pathophysiology (including population health concepts, epidemiology and demographics of diabetes, risk factors for diabetes and key client management strategies).

HLTH 266CE Diabetes Management: A Review

Credit Units: 3.0 Course Hours: n/a

Your studies will focus on a review of the basic features of diabetes and diabetes management. You will discuss topics related to pathophysiology (including population health concepts, epidemiology and demographics of diabetes, risk factors for diabetes and key client management strategies).

HLTH 267 Primary Prevention

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HLTH 266

Your studies will focus on primary prevention and a population health approach to diabetes prevention by considering the determinants of health and the effectiveness of interventions. You will explore strategies to promote the importance of diabetes prevention using community development principles. You will be introduced to evidence-based practice and its role in health promotion and the primary prevention of diabetes. You will also explore prevention strategies aimed at facilitating behaviour change in people at high risk for developing diabetes.

HLTH 267CE Primary Prevention

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): HLTH 266

Your studies will focus on primary prevention and a population health approach to diabetes prevention by considering the determinants of health and the effectiveness of interventions. You will explore strategies to promote the importance of diabetes prevention using community development principles. You will be introduced to evidence-based practice and its role in health promotion and the primary prevention of diabetes. You will also explore prevention strategies aimed at facilitating behaviour change in people at high risk for developing diabetes.

HLTH 268 Insulin and Oral Agents

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HLTH 269

You will study the oral diabetes medications and insulins used in diabetes management in Canada, focusing on their actions, advantages/disadvantages of different regimens and principles of management. You will apply this information in client education, considering drug interactions and use of over-the-counter (OTC) medications. You will learn about complementary and alternative therapies and diabetes. You will become aware of financial and support programs for people living with diabetes.

HLTH 268CE Insulin and Oral Agents

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): HLTH 269

You will study the oral diabetes medications and insulins used in diabetes management in Canada, focusing on their actions, advantages/disadvantages of different regimens and principles of management. You will apply this information in client education, considering drug interactions and use of over-the-counter (OTC) medications. You will learn about complementary and alternative therapies and diabetes. You will become aware of financial and support programs for people living with diabetes.

HLTH 269 Nutrition Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLTR 260

You will study both the principles of healthy eating and the specifics of nutritional management of diabetes. You will learn how to use “Just the Basics” and other tools to provide nutrition education for people with diabetes. You will learn about special considerations when dealing with bariatric clients and the management of diabetes. You will give consideration to special nutritional needs that may be concurrent with diabetes, including using alcohol, dining out, vegetarian eating, travelling, eating disorders and altered work patterns. You will also consider the influence of cultural differences in eating on diabetes management.

HLTH 269CE Nutrition Management

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): CLTR 260

You will study both the principles of healthy eating and the specifics of nutritional management of diabetes. You will learn how to use “Just the Basics” and other tools to provide nutrition education for people with diabetes. You will learn about special considerations when dealing with bariatric clients and the management of diabetes. You will give consideration to special nutritional needs that may be concurrent with diabetes, including using alcohol, dining out, vegetarian eating, travelling, eating disorders and altered work patterns. You will also consider the influence of cultural differences in eating on diabetes management.

HLTH 270 Activity Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HLTH 268

You will review the benefits of physical activity and its role in diabetes management. You will explore the limitations and barriers people living with diabetes face when incorporating physical activity into the management plan.

HLTH 270CE Activity Management

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): HLTH 268

You will review the benefits of physical activity and its role in diabetes management. You will explore the limitations and barriers people living with diabetes face when incorporating physical activity into the management plan.

HLTH 271 Complications: Acute and Chronic

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HLTH 270

You will examine the five major long-term complications of diabetes. Your studies will focus on support to the client in assessment, management and prevention strategies. You will also examine the physiological changes related to aging that increase the risks for diabetes complications.

HLTH 271CE Complications: Acute and Chronic

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): HLTH 270

You will examine the five major long-term complications of diabetes. Your studies will focus on support to the client in assessment, management and prevention strategies. You will also examine the physiological changes related to aging that increase the risks for diabetes complications.

HLTH 272 Diabetes Care Across the Lifespan

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HLTH 271

You will examine strategies for the optimum support and management of people living with diabetes using the Canadian Clinical Practice Guidelines for the prevention and management of diabetes in Canada as a framework. You will study gender-specific health issues in diabetes, and you will examine physiological changes related to growth, development and aging, and their effects on diabetes management. You will also study the psychosocial and mental health issues of people living with a chronic illness experience.

HLTH 272CE Diabetes Care Across the Lifespan

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): HLTH 271

You will examine strategies for the optimum support and management of people living with diabetes using the Canadian Clinical Practice Guidelines for the prevention and management of diabetes in Canada as a framework. You will study gender-specific health issues in diabetes, and you will examine physiological changes related to growth, development and aging, and their effects on diabetes management. You will also study the psychosocial and mental health issues of people living with a chronic illness experience.

HLTH 273 Lab Component

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): CLTR 260

You will explore the role of community development and capacity building in diabetes prevention and management. You will practice motivational interviewing techniques. You will look at how current issues and trends affect diabetes care, prevention and education. You will practice performing a foot assessment.

HLTH 273CE Lab Component

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): CLTR 260

You will explore the role of community development and capacity building in diabetes prevention and management. You will practice motivational interviewing techniques. You will look at how current issues and trends affect diabetes care, prevention and education. You will practice performing a foot assessment.

HLTH 274 Community Oral Health 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HLTH 262, DHYG 201

Corequisite(s): DHYG 276

You will acquire knowledge needed to meet specific oral health needs of community groups. You will learn formal and informal information gathering techniques and study situational leadership styles. You will collaborate with community partners and assess the need for health promotional events and educational activities for underserviced community groups. You will also initiate a dental hygiene research project.

HLTH 275 Community Oral Health Projects

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HLTH 274

You will have an opportunity to plan, implement and evaluate oral health programs, health promotional events and educational activities for under-serviced community groups. You will develop both written and oral reports on your project.

HLTS 21 Health Science 21

Credit Units: 1.0 Course Hours: 100.0

Modified version of Health Science 20.

HORT 400 Urban Forestry

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to horticultural practices. You will learn how to prune and landscape with trees and shrubs in an urban environment. You will identify exotic plant species and study how to establish and maintain them within our hardiness zone. You will assess landscapes and recommend horticultural practices. You will develop an understanding of urban forestry equipment.

HR 120 Introduction to Human Resource Management

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ADMN 222

Your studies will focus on an overview of human resource management and practices. You will discuss and apply the concept of job analysis: planning, recruiting, and selection processes; training, developing and compensation considerations, and management performance and labour relations. You will discuss employee and organizational ethics throughout the course, and your studies will emphasize the use of human resource management to achieve high organizational performance.

HR 120CE Introduction to Human Resource Management

Credit Units: 4.0 Course Hours: n/a

Your studies will focus on an overview of human resource management and practices. You will discuss and apply the concept of job analysis: planning, recruiting, and selection processes; training, developing and compensation considerations, and management performance and labour relations. You will discuss employee and organizational ethics throughout the course, and your studies will emphasize the use of human resource management to achieve high organizational performance.

HR 145 Human Resource Strategy

Credit Units: 2.0 Course Hours: 36.0

Prerequisite(s): MKTG 166 or MKTG 155

Corequisite(s): BUS 154

You will identify human resource requirements for a small business, including creating job descriptions, hiring staff, and managing performance. You will also examine the issues of compensation, discipline, training plan development, and labour standards. You will select a professional support team, and prepare a resume for inclusion in your business plan. You will prepare a complete human resources strategy for your proposed business.

HR 146 Human Resources for the Retail Sector

Credit Units: 2.0 Course Hours: 30.0

The course includes identifying human resource requirements, diversity issues in the workplace, creating job descriptions, hiring staff and managing performance. As part of hiring staff, you will learn how to critique job applications/resumes. You will examine the issues of compensation, discipline, training plan development and labour standards. You will also select a professional support team.

HR 202 Human Resources Management in the Food Service Industry

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MGMT 215

Equivalent Course(s): HR 280

You will focus on the staffing and directing function of food service management to include human resource planning, recruitment, selection, orientation, training, development, performance appraisals, compensation, discipline, labour relations, and legislation.

HR 203 Human and Labour Relations in Municipalities

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HR 120

You will explore the similarities and key differences between operating in unionized and non-unionized environments. You will learn practical strategies to create and maintain positive employee relations (Employee Engagement) as well as productive labour relations within a unionized organization. You will focus on the importance of setting clear expectations with employees and the union through written policies/procedures and/or the collective bargaining agreement. You will learn how to communicate transparently, collaborate with all stakeholders, and manage human and labor relations in municipalities in a fair and consistent manner.

HR 225 Strategic Human Resources Management

Credit Units: 4.0 Course Hours: 60.0

Your studies will focus on developing and integrating human resource management (HRM) practices to further the organization's strategic direction. The course addresses human resource (HR) forecasting and planning, strategic approaches to other human resource management functions, creating learning organizations, diagnosing and analyzing organizational change, legal requirements, and current HRM issues. You will gain a holistic understanding and practical application of various strategic tools related to an organization's human resources function.

HR 226 Foundations of Talent Acquisition

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): HR 227

Your studies will focus on the role and functions of recruitment and selection of human resource management. You will develop an appreciation for professional talent acquisition practices that meet Canadian legal standards. You will also develop an understanding of the essential role of sound staffing practices in relation to organizational productivity.

HR 227 Talent Selection

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): HR 226

Your studies will focus on the practical application of creating resumes, screening candidates and interviewing candidates. You will also learn about legal and ethical considerations regarding selection and recruitment. Finally, you will have an opportunity to practice your skills in a mock interview setting.

HR 228 Training and Development Foundations

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): HR 229

Through a combined theory and hands-on approach, you will analyze the strategic value of developing talent within an organization. You will leverage an instructional design model to determine a training need, design an effective training program and consider effective training program evaluation techniques.

HR 229 Training and Development Delivery

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): HR 228

Through a combined theory and hands-on approach, you will leverage an instructional design model to develop, deliver and evaluate a training program based on an established training program design. Specifically, you will consider different training methods and different techniques for training delivery to align with a business need and the needs of learners. You will also develop and conduct training evaluations.

HR 230 Talent Acquisition

Credit Units: 4.0 Course Hours: 64.0

Equivalent Course(s): ADMN 230

Your studies will focus on the role and functions of recruitment and selection of human resource management. You will develop an appreciation for professional Talent Acquisition practices that meet Canadian legal standards. You will also develop an understanding of the essential role of sound staffing practices in relation to organizational productivity. You will recognize the constraints under which an organization operates and how it relates to the process of recruitment and selection.

HR 230CE Talent Acquisition

Credit Units: 4.0 Course Hours: n/a

Your studies will focus on the role and functions of recruitment and selection of human resource management. You will develop an appreciation for professional Talent Acquisition practices that meet Canadian legal standards. You will also develop an understanding of the essential role of sound staffing practices in relation to organizational productivity. You will recognize the constraints under which an organization operates and how it relates to the process of recruitment and selection.

HR 231 Strategic Compensation

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ADMN 231

You will develop a general understanding of the processes, techniques and issues human resource professionals encounter in developing and administering a total rewards program. You will learn the strategic importance of total rewards and how its issues can impact other areas of human resources. In addition, you will gain an understanding of the impact of contemporary social trends and legislative developments that affect decision making about the design of total rewards programs.

HR 231CE Strategic Compensation

Credit Units: 5.0 Course Hours: n/a

You will develop a general understanding of the processes, techniques and issues human resource professionals encounter in developing and administering a total rewards program. You will learn the strategic importance of total rewards and how its issues can impact other areas of human resources. In addition, you will gain an understanding of the impact of contemporary social trends and legislative developments that affect decision making about the design of total rewards programs.

HR 232 Training and Development

Credit Units: 5.0 Course Hours: 80.0

Equivalent Course(s): ADMN 232

You will analyze the strategic value of developing talent within organizations with a focus on employee training and development. Specifically, through a combined theory and hands-on approach, your studies will examine the functions of training needs analysis, training program design, the selection and application of training methods, transfer strategies, training evaluation and building employee engagement in career development.

HR 232CE Training and Development

Credit Units: 5.0 Course Hours: n/a

You will analyze the strategic value of developing talent within organizations with a focus on employee training and development. Specifically, through a combined theory and hands-on approach, your studies will examine the functions of training needs analysis, training program design, the selection and application of training methods, transfer strategies, training evaluation and building employee engagement in career development.

HR 233 Employee and Labour Relations

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ADMN 233

Your studies will focus on “Labour Relations”, including union certification procedures, union structure, managing in unionized environments, applicable legislation affecting labour relations, collective bargaining, dispute resolution methods, and recent developments in the labour relations field. You will be encouraged to discuss and debate labour relations issues, to critically evaluate case studies and to monitor and report on current labour relations events. Through intensive simulations and experiential exercises, you will develop practical skills and abilities to reach a collective bargaining agreement.

HR 233CE Labour Relations

Credit Units: 4.0 Course Hours: n/a

Your studies will focus on “Labour Relations”, including union certification procedures, union structure, managing in unionized environments, applicable legislation affecting labour relations, collective bargaining, dispute resolution methods, and recent developments in the labour relations field. You will be encouraged to discuss and debate labour relations issues, to critically evaluate case studies and to monitor and report on current labour relations events. Through intensive simulations and experiential exercises, you will develop practical skills and abilities to reach a collective bargaining agreement.

HR 234 Creating Healthy Organizations

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ADMN 234

Your studies will focus on the major influences of employee engagement and the impact on individual managers and the organization. You will examine the importance of sound employee relationship practices in the role of reaching organizational objectives. The course content includes equity and fairness, the influence of culture, diversity and equity, motivation, job design principles, performance management, occupational health and safety and workplace mental health.

HR 234CE Employee Engagement

Credit Units: 5.0 Course Hours: n/a

Your studies will focus on the major influences of employee engagement and the impact on individual managers and the organization. You will examine the importance of sound employee relationship practices in the role of reaching organizational objectives. The course content includes equity and fairness, the influence of culture, diversity and equity, motivation, job design principles, performance management, occupational health and safety and workplace mental health.

HR 235 Collective Bargaining and Interest-Based Negotiations

Credit Units: 5.0 Course Hours: 80.0

Equivalent Course(s): ADMN 235

Through intensive simulations and experiential exercises, you will develop practical skills and abilities necessary to reach a collective agreement. The course includes an introduction to the collective bargaining process, where you will gain an awareness of the theory, models, and legal framework.

HR 236 Organizational Change

Credit Units: 4.0 Course Hours: 64.0

Equivalent Course(s): ADMN 236

You will develop strategies and processes related to creating and fostering an evolving workplace culture that supports innovation, change, quality and learning and results in harmony between the organization's needs and employee's expectations while remaining consistent with the organization's business plan in a competitive and changing environment. The course content emphasizes the importance of implementing change in the proper sequence of events and interactions.

HR 236CE Organizational Change

Credit Units: 4.0 Course Hours: n/a

You will develop strategies and processes related to creating and fostering an evolving workplace culture that supports innovation, change, quality and learning and results in harmony between the organization's needs and employee's expectations while remaining consistent with the organization's business plan in a competitive and changing environment. The course content emphasizes the importance of implementing change in the proper sequence of events and interactions.

HR 237 Wellness in the Workplace

Credit Units: 4.0 Course Hours: 64.0

Your studies will focus on an overview of occupational health and safety systems as it relates to Human Resources responsibility. You will examine societal and organizational aspects, core principles, essential elements, a variety of legislation, psychological hazards, probability and severity of risk, disability management, duty to accommodate, and Saskatchewan Workers' Compensation Board.

HR 280 Human Resource Management

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MGMT 286*

Equivalent Course(s): HR 120, HR 281

You will focus on the staffing and directing function of management to include human resource planning, recruitment, selection, orientation, training, development, performance appraisals, compensation, discipline, labour relations and legislation.

HR 300 Human Resource Management

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): HR 400

Your studies will focus on an overview of human resource management and practices. You will learn the impact of job analysis on planning, recruiting, and selection processes; training, developing and compensation considerations; and management performance and labour relations. Employee and organizational ethics are discussed throughout the course with an emphasis on using human resource management to achieve high organizational performance.

HR 600 Human Resource Management

Credit Units: 3.0 Course Hours: 45.0

Your studies will provide an overview of the functions of human resource management and focus on the Canadian labour relations environment. Key topics include working and managing in a unionized environment, valuing diversity and inclusion, and performance management.

HR 601 Human Resources for Entrepreneurs

Credit Units: 3.0 Course Hours: 45.0

You will develop the necessary foundational knowledge that Canadian entrepreneurs require to create and manage their most important resource – their employees. You will examine the legal landscape as it pertains to human resources management and learn fundamentals for acquiring talent and motivating, leading and retaining a workforce. In addition, you will learn how to communicate effectively and navigate through difficult or challenging human resources situations.

HSTC 110 Histotechnology 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 103, MTER 180, PROC 180, INFC 180

You will be introduced to the principles of preparing clinical specimens for histological examination. You will learn to differentiate the micro-anatomical structure of the body's major organs including functional cells and tissue arrangements.

HSTC 183 Histotechniques

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ANAT 183, ANAT 184, BOTA 183, BOTA 184

You will study the principles of microtechniques including preparing plant and animal tissues for the production of permanent slides. You will identify the proper use, care and handling of tissue processing equipment, microtomes and related slide preparation equipment. You will demonstrate the use of tissue fixatives and stains, embedding, mounting and storing of paraffin sections. You will perform tissue sectioning, staining, and production of permanent slides.

HSTC 184 Microanatomy

Credit Units: 2.0 Course Hours: 35.0

Prerequisite(s): MTER 180, APHY 282*

You will recognize functional cells and tissue arrangements. You will also study the micro-anatomical structure of the body's major organs.

HSTC 185 Histotechnology 1

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): (PROC 180 or PROC 182), APHY 282*

You will be introduced to the principles and practices of preparing clinical specimens for histological examination (including fixation, decalcification processing, embedding and microtomy).

HSTC 187 Histotechnology 2

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): HSTC 184, HSTC 185

You will discuss the principles and practices used in a laboratory and prepare clinical histology specimens for demonstrating cellular and non-cellular elements.

HSTC 188 Introduction to Histology and Cytology

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): APHY 103, MTER 180, PROC 185, PROC 180

Your studies will help you develop skills to assist with preparation of clinical specimens for microscopic examination. The course content includes specimen receiving and processing, block and/or slide preparation and basic staining.

HSTC 210 Histotechnology 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HSTC 110

You will continue to apply previously learned laboratory theory and skills to produce clinical histology specimens. You will perform staining techniques for demonstrating cellular and non-cellular elements.

HT 600 Trends in the Hospitality and Tourism Industry

Credit Units: 3.0 Course Hours: 45.0

You will study the various trends that have affected lodging and food service operations in recent years. You will also study the impact global events have on the hospitality and tourism sector.

HT 601 Special Event Management

Credit Units: 3.0 Course Hours: 45.0

You will learn the principles of bidding for, planning, organizing, controlling, and executing special event functions as well as the criteria for selling to the events market.

HT 602 Customer Service Management in a Diverse World

Credit Units: 3.0 Course Hours: 45.0

You will incorporate the principles of diversity and inclusion into customer service. As part of this course, you will complete the 4 Seasons of Reconciliation training. You will also complete Service Best certification.

HT 603 Managing Hospitality Operations

Credit Units: 3.0 Course Hours: 45.0

You will study the application of management concepts relating to the operations of hotel services and commercial food service operations.

HT 604 Entrepreneurship in the Hospitality and Tourism Industry

Credit Units: 3.0 Course Hours: 45.0

You will develop an understanding of the entrepreneurial mindset and frameworks used to solve problems through innovation. Specifically, you will complete problem solving and ideation exercises, which will help you identify potential business opportunities in the hospitality and tourism industry. Based on one of those opportunities, you will develop a business model, plan the small business management practices, as well as prepare and pitch a comprehensive business plan for a new venture.

HUMD 100 Child and Adolescent Development

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): HUMD 102

You will study the developmental milestones from conception to adolescence. The course provides an introduction to the theories of learning and personality, brain development and methods of studying human behavior, including indigenous worldviews. You will learn about the effects of heredity and the environment, including culture, on the emotional, social, cognitive and physical development of children and behavior.

HUMD 100CE Child and Adolescent Development

Credit Units: 3.0 Course Hours: n/a

You will study the developmental milestones from conception to adolescence. The course provides an introduction to the theories of learning and personality, brain development and methods of studying human behavior, including indigenous worldviews. You will learn about the effects of heredity and the environment, including culture, on the emotional, social, cognitive and physical development of children and behavior.

HUMD 101 Guiding Behaviour

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): MGMT 281

You will discuss perspectives that educators have regarding the classroom and behaviour. You will examine how cognitive development plays a role in guiding behaviour. You will be able to describe the role that the environment plays in determining and guiding behaviour. You will be introduced to an overview of positive guidance and have the opportunity to select and implement strategies that teach self-control and self-regulation. You will also learn about traditional Indigenous practices as they apply to guiding behavior.

HUMD 101CE Guiding Behaviour

Credit Units: 3.0 Course Hours: n/a

You will discuss perspectives that educators have regarding the classroom and behaviour. You will examine how cognitive development plays a role in guiding behaviour. You will be able to describe the role that the environment plays in determining and guiding behaviour. You will be introduced to an overview of positive guidance and have the opportunity to select and implement strategies that teach self-control and self-regulation. You will also learn about traditional Indigenous practices as they apply to guiding behavior.

HUMD 102 Growth and Development of Young Children

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): HUMD 100

You will study the developmental milestones from conception through the stages of infancy, toddlerhood to age five. The course provides an introduction to the theories of learning and personality, brain development and methods of studying human behavior, including indigenous world views. You will learn about the effects of heredity and the environment, including culture, on the emotional, social, cognitive and physical development of children and behavior.

HUMD 102CE Growth and Development of Young Children

Credit Units: 3.0 Course Hours: n/a

You will study the developmental milestones from conception through the stages of infancy, toddlerhood to age five. The course provides an introduction to the theories of learning and personality, brain development and methods of studying human behavior, including indigenous world views. You will learn about the effects of heredity and the environment, including culture, on the emotional, social, cognitive and physical development of children and behavior.

HUMD 142 Lifespan

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): HUMD 280

You will examine human development across the lifespan. Your studies will focus on developmental factors throughout a person's life that impact on the choices that they make.

HUMD 144 Life Span Issues

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CDEP 158, CDEP 178

Equivalent Course(s): HUMD 143

Using a holistic approach, you will examine culture in human development and the influence of substance use and/or abuse and mental health issues in each stage of the life span.

HUMD 181 Lifespan Development A

Credit Units: 3.0 Course Hours: 40.0

Equivalent Course(s): ECD 121

Your studies will focus on the period from conception to pre-adolescence. You will receive information about the effect of heredity and the environment on the emotional, social, cognitive and physical development of children. The course also provides an introduction to the theories of learning and personality, and the methods of studying human behaviour.

HUMD 183 Child Guidance 1

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ECD 123

You will examine the strategies of developmentally appropriate child guidance. You will learn about the importance of building relationships and establishing trust prior to guiding behavior. You will practice techniques that support children while encouraging a co-operative attitude, a sense of autonomy and a positive self-image. Your studies will also explore Indigenous traditional practices of modelling and storytelling as a guidance technique.

HUMD 183CE Child Guidance 1

Credit Units: 4.0 Course Hours: 60.0

You will examine the strategies of developmentally appropriate child guidance. You will learn about the importance of building relationships and establishing trust prior to guiding behavior. You will practice techniques that support children while encouraging a co-operative attitude, a sense of autonomy and a positive self-image. Your studies will also explore Indigenous traditional practices of modelling and storytelling as a guidance technique.

HUMD 187 Human Growth and Development

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): HUMD 188

You will learn the physical, social, intellectual and emotional aspects of human growth and development from infancy to old age. You will also study the effects of aging on society.

HUMD 187CE Human Growth and Development

Credit Units: 2.0 Course Hours: n/a

You will learn the physical, social, intellectual and emotional aspects of human growth and development from infancy to old age. You will also study the effects of aging on society.

HUMD 188 Human Growth and Development

Credit Units: 4.0 Course Hours: 60.0

You will learn the physical, sensory, perceptual, cognitive, social, and personality stages of human growth and development from conception to death.

HUMD 188CE Human Growth and Development

Credit Units: 4.0 Course Hours: n/a

You will learn the physical, sensory, perceptual, cognitive, social, and personality stages of human growth and development from conception to death.

HUMD 200 Child Guidance 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

Equivalent Course(s): MGMT 281

You will examine additional approaches for guiding children who present more challenging behaviours.

HUMD 200CE Child Guidance 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

You will examine additional approaches for guiding children who present more challenging behaviours.

HUMD 280 Lifespan Development B

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): HUMD 181

Equivalent Course(s): ECD 227, PSYC 185

You will examine adolescence and adulthood. This includes the physical, cognitive, emotional and social changes of youth, middle age, and later life. You will also explore current research about death and dying.

HUMR 100 Roles and Responsibilities

Credit Units: 2.0 Course Hours: 30.0

You will study the roles of victim services agencies, staff, volunteers, and resources that support clients involved with crime or traumatic events. You will study the supportive role of Elders and community partnerships.

HUMR 100CE Roles and Responsibilities

Credit Units: 2.0 Course Hours: n/a

You will study the roles of victim services agencies, staff, volunteers, and resources that support clients involved with crime or traumatic events. You will study the supportive role of Elders and community partnerships.

HUMR 101 Clients with Diverse Needs

Credit Units: 2.0 Course Hours: 30.0

You will develop specific skills for interacting with diverse client groups. You will identify and practice strategies for providing services to Aboriginal clients, clients who are new immigrants, clients with disabilities, clients with mental health issues as well as other emerging diverse client needs.

HUMR 101CE Clients with Diverse Needs

Credit Units: 2.0 Course Hours: n/a

You will develop specific skills for interacting with diverse client groups. You will identify and practice strategies for providing services to Aboriginal clients, clients who are new immigrants, clients with disabilities, clients with mental health issues as well as other emerging diverse client needs.

HUMR 102 Professional Education and Career Planning

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): BCOM 105

You will examine both written and verbal interpersonal communication skills and their application in the workplace. Utilizing the principles of adult learning you will focus on the characteristics of adult learners, cultural influences, generational differences and strategies to improve research and development of occupational health and safety concepts.

HUMR 102CE Professional Education and Career Planning

Credit Units: 4.0 Course Hours: n/a

You will examine both written and verbal interpersonal communication skills and their application in the workplace. Utilizing the principles of adult learning you will focus on the characteristics of adult learners, cultural influences, generational differences and strategies to improve research and development of occupational health and safety concepts.

HUMR 186 Interpersonal Skills

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): COMM 291, COMM 295, NEPS 114, NURS 114

You will be introduced to the importance of interpersonal skills in the human services professions. You will develop effective listening and speaking behaviors that facilitate client interactions.

HUMR 186CE Interpersonal Skills

Credit Units: 3.0 Course Hours: n/a

You will be introduced to the importance of interpersonal skills in the human services professions. You will develop effective listening and speaking behaviors that facilitate client interactions.

HUMR 187 Human Factors and Crew Resource Management

Credit Units: 3.0 Course Hours: 45.0

You will relate aviation physiology, psychology, medical and interpersonal issues to survival skills and your ability to function as a safe and effective flight crew member. You will also practice your skills by preparing a survival plan.

HUMR 281 Group Facilitation

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 385

You will be introduced to the foundations and structure of group work. You will learn about group dynamics and the role of effective communication in group process. You will explore the concepts of roles, norms, motivation, diversity leadership and power as they relate to being an effective group member. Finally, you will be provided with the opportunity to develop practical skills and experience in group facilitation.

HUMR 281CE Group Facilitation

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 385

You will be introduced to the foundations and structure of group work. You will learn about group dynamics and the role of effective communication in group process. You will explore the concepts of roles, norms, motivation, diversity leadership and power as they relate to being an effective group member. Finally, you will be provided with the opportunity to develop practical skills and experience in group facilitation.

HUMS 100 Traumatic Events Coordination

Credit Units: 2.0 Course Hours: 30.0

You will study intervention strategies and community planning in response to traumatic events.

HUMS 100CE Traumatic Events Coordination

Credit Units: 2.0 Course Hours: n/a

You will study intervention strategies and community planning in response to traumatic events.

HUMS 180 Comprehensive Behavioural Support

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MGMT 281

You will study the implementation process of various approaches including restrictive procedures, trauma informed care and strategies used to support positive behaviours.

HUMS 180CE Comprehensive Behavioural Support

Credit Units: 3.0 Course Hours: n/a

You will study the implementation process of various approaches including restrictive procedures, trauma informed care and strategies used to support positive behaviours.

HVAC 101 Environmental Control Systems

Credit Units: 1.0 Course Hours: 15.0

You will become familiar with the Heating, Refrigeration and Air Conditioning Institute's program on environmental awareness regarding Ozone Depleting Substances. You will complete the Canada's Ozone Layer Protection Awareness Program for Air Conditioning and Refrigeration System. This will certify you to legally to service and maintain air conditioning systems on mobile equipment.

HVAC 102 HVAC Basics

Credit Units: 3.0 Course Hours: 45.0

You will learn the fundamentals of air conditioning and types of air conditioning systems. You will also receive introductory level training on HVAC electrical systems, controls and air handlers.

HVAC 200 HVAC Fundamentals

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): THER 201

You will be introduced to the field of heating, ventilation, and air conditioning (HVAC) engineering. You will investigate the processes of conditioning moist air and what is required to maintain an indoor space with regards to comfort, indoor air quality, health, and ventilation. You will explore a variety of building envelope assemblies and components and evaluate their performance. You will develop competency in the calculation of building heating and cooling loads, as well as design of air distribution systems. You will explore the variety of components used in HVAC systems and discuss emerging HVAC technologies, energy conservation techniques, and industrial applications

HVAC 201 Building Performance Modelling

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): HVAC 200, CAD 102*

You will study the concepts of building information modelling and apply tools to create a model of a building's mechanical system(s). Specific mechanical equipment will be selected from manufacturer's catalogues and incorporated into the model. The model will be used to evaluate the energy performance of the building with regards to heating, cooling and ventilation.

HYDM 221 Hydrometeorology

Credit Units: 2.0 Course Hours: 32.0

Prerequisite(s): MAT 101, PHYS 102

You will learn the basics of hydrometeorology with a focus on the atmospheric portion of the hydrological cycle. The course content includes humidity, precipitation, wind, air mass movement, climate, interception and infiltration.

HYDO 200 Contaminant Hydrogeology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HYDO 201

Corequisite(s): ENVR 207

You will discuss the technical, theoretical and practical aspects of contaminant hydrogeology including sources of contamination, mechanisms of groundwater flow and contaminant transport. In addition, you will study modeling approaches and common field practices used to characterize groundwater parameters.

HYDO 201 Groundwater Technology

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 111

Corequisite(s): PHYS 104

You will study the principles of applied hydrogeology including groundwater flow, drilling, well design and construction. You will also discuss the maintenance requirements of wells, groundwater protection and groundwater approval processes.

HYDO 202 Hydrology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MAT 110, PHYS 104

This course provides you an overview of hydrological processes, measurement techniques, and data analysis. You will study the movement of water in the hydrologic cycle via precipitation, interception, evapotranspiration, surface runoff, infiltration, soil moisture, groundwater flow and streamflow. Your studies will include applied aspects and local examples.

HYDO 225 Groundwater Technology

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 111

Equivalent Course(s): HYDO 201

You will study the basic principles of applied hydrogeology including the calculation of aquifer parameters, groundwater flow and groundwater recharge. You will examine the installation and maintenance of wells, groundwater quality, and measures to protect groundwater from contamination. You will discuss the groundwater approval process administered by the Water Security Agency.

HYDO 228 Hydrology 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): STAT 201

Corequisite(s): INST 231

You will study the basic concepts associated with the hydrologic cycle. You will acquire various meteorological and hydrometric data sets to perform a range of hydrologic analyzes. You will focus on the collection and utilization of data sets critical to the planning, design and operation of engineering projects related to the management of water resources.

HYDO 229 Hydrology 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HYDR 221, HYDO 228, INST 231

You will study the prediction of flood events. You will estimate peak flows by applying a variety of techniques commonly used in engineering hydrology. You will discuss flood mitigation measures. You will calibrate and validate a hydrologic model that will be used to estimate a design flood.

HYDR 100 Hydraulics

Credit Units: 2.0 Course Hours: 30.0

You will learn the basic theory and practical application of hydraulics.

HYDR 107 Basic Hydraulics

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): HYDR 170

You will learn the basic principles of hydraulics. You will gain an understanding of component construction and operation. You will also develop practical skills to repair these components.

HYDR 110 Hydraulic Basics Theory

Credit Units: 2.0 Course Hours: 30.0

You will study the basic hydraulic principles of flow and pressure, system and component operation and maintenance procedures. You will also learn to interpret symbolic diagrams to determine system operation.

HYDR 111 Hydraulic Basics Shop

Credit Units: 2.0 Course Hours: 30.0

You will disassemble, inspect, measure, assemble, adjust and test hydraulic pumps, valves and motors on a test stand. You will disassemble and repair hydraulic cylinders from live machines or shop models. You will work with common types of hydraulic fittings and adaptors, and practice installing hose ends, flaring and bending tubing.

HYDR 112 Hydraulics Advanced Theory

Credit Units: 2.0 Course Hours: 30.0

You will review the basics of a hydraulic system. Concepts such as open and closed center hydraulic systems will be discussed. Power-beyond, open and closed loop hydrostatics as well as load sensing systems will also be covered. Advanced diagnostic strategies will also be discussed.

HYDR 113 Hydraulics Advanced Shop

Credit Units: 2.0 Course Hours: 30.0

You will evaluate various components in a hydraulic circuit to determine function as well as serviceability. You will also perform system diagnosis on open center, closed center and power beyond hydraulic systems. Open and closed loop hydrostatics as well as a load sending hydraulic system will be evaluated. You will perform evaluations on live machines with hydraulic analyzers and perform adjustments or repair.

HYDR 124 Introduction to Hydraulic Pumps and Valves

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on the basic principles of hydraulics, and you will gain an understanding of component construction and operation. You will examine the construction of hydraulic hoses, pumps and actuators. You will perform service procedures on an operational hydraulic system. You will learn how each component contributes to the operation of the basic hydraulic system.

HYDR 125 Introduction to Hydraulic Flow Controls

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): HYDR 188

Your studies will focus on the principles of hydraulic flow and the methods used to direct the flow and control the volume. You will examine hydraulic cylinders and motors. You will interpret hydraulic schematic symbols to develop basic problem-solving skills. You will analyze the various methods used in flow control. You will explore the construction and operation of fixed and variable flow controls.

HYDR 150 Basic Hydraulics

Credit Units: 4.0 Course Hours: 60.0

You will learn the basic principles of hydraulics. You will gain an understanding of component construction and operation. You will also develop practical skills to repair these components.

HYDR 173 Fluid Power

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MACH 108, MATE 170, MATH 167

You will be introduced to hydraulic and pneumatic systems and applications in manufacturing processes. Your studies will include pumps, motors and valve systems. You will practice selecting appropriate components for hydraulic and pneumatic systems.

HYDR 188 Hydraulics

Credit Units: 0.0 Course Hours: n/a

You will focus on the basic principles of hydraulics and gain an understanding of component construction and operation. You will learn how each component contributes to the operation of the entire system and develop practical skills to repair these components.

HYDR 220 Hydraulics 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 111, PHYS 104

You will study fluid mechanics principles including pressure measurement, forces on submerged planes, buoyancy and stability, general energy equation and viscosity. You will apply the fundamentals of hydrodynamics including hydraulics of flow in pipes, flow measurement devices and pumping system design.

HYDR 221 Hydraulics 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): HYDR 220

You will use industry standard software to design flow in pipe networks. You will examine open channel flow, pump selection and flow measurement techniques. You will use industry standard software to design pipe networks.

HYDR 283 Fluid Power

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): FMEC 101

You will be introduced to hydraulic and pneumatic components, circuits and standard symbols. The course will include design problems involving sizing and selecting hydraulic components for typical applications. Your lab work will provide you with hands-on exposure to hydraulic pumps, motors, cylinders and various types of control valves.

HYDR 285 Fluid Mechanics

Credit Units: 4.0 Course Hours: 64.0

Equivalent Course(s): FMEC 288

You will study fluid properties, the behaviours of fluids either at rest or in motion, Bernoulli's equation, fluid forces and buoyancy. Design problems involve pipe sizing, calculating head loss, friction factors, power requirements and selecting pumps and motors. Your lab work will include performing experiments on pressure measurement, fluid friction losses and piping systems.

Course Descriptions I

IELT 1001 IELTS Prep 2 - Listening

Credit Units: 0.0 Course Hours: 3.0

Saskatchewan Polytechnic's International English Language Testing System (IELTS) preparation courses prepare you for the IELTS exam. The course consists of study tips, strategies and practice exercises to improve your test performance. Each of the following modules will be addressed: * Listening * Reading * Speaking * Writing

IELT 1002 IELTS Prep 2 - Reading

Credit Units: 0.0 Course Hours: 3.0

Saskatchewan Polytechnic's International English Language Testing System (IELTS) preparation courses prepare you for the IELTS exam. The course consists of study tips, strategies and practice exercises to improve your test performance. Each of the following modules will be addressed: * Listening * Reading * Speaking * Writing

IELT 1003 IELTS Prep 2 - Speaking

Credit Units: 0.0 Course Hours: 3.0

Saskatchewan Polytechnic's International English Language Testing System (IELTS) preparation courses prepare you for the IELTS exam. The course consists of study tips, strategies and practice exercises to improve your test performance. Each of the following modules will be addressed: * Listening * Reading * Speaking * Writing

IELT 1004 IELTS Prep 2 - Writing

Credit Units: 0.0 Course Hours: 3.0

Saskatchewan Polytechnic's International English Language Testing System (IELTS) preparation courses prepare you for the IELTS exam. The course consists of study tips, strategies and practice exercises to improve your test performance. Each of the following modules will be addressed: * Listening * Reading * Speaking * Writing

IELT 1005 IELTS Prep 3 - Individual Training

Credit Units: 0.0 Course Hours: 1.0

Saskatchewan Polytechnic's International English Language Testing System (IELTS) preparation courses prepare you for the IELTS exam. The course consists of study tips, strategies and practice exercises to improve your test performance. Each of the following modules will be addressed: * Listening * Reading * Speaking * Writing

IMMU 179 Immunology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ANAT 183, ANAT 184

You will study introductory hematology and immunity. You will study how the immune system interacts with health and disease. You will study immunological laboratory techniques and medical applications.

IMMU 183 Immunology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): INFC 180

In this course you will explore the immune system including both the innate and acquired defense mechanisms of the human body. You will learn the laboratory application of antigen-antibody reactions and examine the involvement of the immune system in various disorders.

IMMU 183CE Immunology

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): INFC 180

In this course you will explore the immune system including both the innate and acquired defense mechanisms of the human body. You will learn the laboratory application of antigen-antibody reactions and examine the involvement of the immune system in various disorders.

IMMU 281 Applied Immunology

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): APHY 104

You will be introduced to the innate and adaptive immune system, immunological diseases, and maternal and neonatal immunity. You will also learn about vaccine theory and common veterinary vaccine protocols.

IMRC 182 Image Recording Introduction

Credit Units: 2.0 Course Hours: 37.0

Your studies will focus on the fundamentals of radiographic processing. You will learn about screen and film combinations, operating and maintaining processors, film fault analysis, darkrooms and facets of quality control relating to x-ray film processing.

IMRC 183 Image Acquisition & Processing

Credit Units: 4.0 Course Hours: 53.0

You will learn the factors affecting radiographic qualities and how to develop a technique chart. You will study the theory of how modern radiographic equipment works, as well as the theory and application of digital image acquisition, processing, archiving, and quality control.

INDG 100 Introduction to Indigenous Studies

Credit Units: 1.0 Course Hours: 15.0

You will receive an introduction to the Indigenous cultural groups within Saskatchewan. You will learn about the colonization of Indigenous peoples by the Canadian state. Your studies will help you discuss current issues and explore possible solutions.

INDG 102 Aboriginal Cultural Awareness

Credit Units: 2.0 Course Hours: 30.0

You will gain an understanding of the diversity and richness of First Nations and Métis cultures, histories and current issues.

INDG 103 Indigenous Justice Studies

Credit Units: 3.0 Course Hours: 45.0

You will study historical elements and contemporary practices of Indigenous culture in Canada. You will study the residential school system, treaty processes, policy development, and Metis cultural recognition.

INDG 200 Indigenous Studies 1

Credit Units: 3.0 Course Hours: 45.0

You will examine historical events that have impacted First Nations, Inuit and Metis people in Canada with a goal to understanding contemporary issues. You will explore the role Indigenous people have played in the development of Canadian society, including their struggles to preserve their cultures and inherent rights.

INDG 201 Indigenous Studies 2

Credit Units: 3.0 Course Hours: 45.0

You will focus on the contemporary issues impacting First Nations, Inuit, and Metis people in Canada. You will explore the role Indigenous peoples have played in the securing of Indigenous rights and their ongoing efforts of decolonization.

INDG 600 Indigenous Studies

Credit Units: 1.0 Course Hours: 15.0

You will complete the Blanket Exercise to honour the Indigenous peoples in Canada. You will study the history of the relationships between European settlers and the Indigenous peoples from initial contact to present day. You will analyze the 94 Calls to Action of the Truth and Reconciliation Commission to redress the legacy of residential schools and advance Canadian reconciliation.

INDM 101 Belts, Chains, Shafts and Gears

Credit Units: 4.0 Course Hours: 60.0

You will learn the theory and application of belts, chains, shafts, and gear drives.

INDM 104 Couplings, Clutches and Brakes

Credit Units: 2.0 Course Hours: 30.0

You will learn the theoretical applications of couplings, clutches and brakes.

INDM 105 Pneumatics and Compressors

Credit Units: 2.0 Course Hours: 30.0

You will learn the basic theory and application of pneumatics and compressors.

INDM 111 Lubrication, Bearings and Seals

Credit Units: 3.0 Course Hours: 52.0

You will learn theory and application of lubrication, bearings and seals as it applies to power transmissions.

INDM 112 Machine Installation and Shaft Alignment

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to machine installation and shaft alignment. You will perform alignment and leveling procedures.

INDM 113 Lubrication, Seals and Gaskets

Credit Units: 3.0 Course Hours: 45.0

You will learn the theory and practical application of lubrication, seals and gaskets as they apply to power transmissions.

INDM 114 Rigging, Hoisting, Lifting and Safety

Credit Units: 2.0 Course Hours: 30.0

You will learn applicable occupational health and safety (OH&S) regulations, rigging, signaling and load estimations. You will learn safe work practices regarding ladders, scaffolds, fire containment and WHMIS.

INDM 115 Bearings

Credit Units: 3.0 Course Hours: 45.0

You will learn the theory and application of friction bearings and anti-friction bearings. You will maintain and assemble bearing units.

INFC 180 Infection Control and Safety

Credit Units: 2.0 Course Hours: 30.0

You will learn the transmission of microorganisms and blood-borne pathogens as well as how to protect yourself and others when working with patients and patient samples.

INFC 180CE Infection Control and Safety

Credit Units: 2.0 Course Hours: n/a

You will learn the transmission of microorganisms and blood-borne pathogens as well as how to protect yourself and others when working with patients and patient samples.

INFN 320 Interior Finishes

Credit Units: 4.0 Course Hours: 60.0

You will identify various types of interior wall finishes used in construction. You will learn to install an interior door with hardware as well as casing, baseboard, and other types of trim. Installation of ceiling finishes such as suspended ceilings will also be covered.

INFN 321 Wall Cabinets

Credit Units: 3.0 Course Hours: 45.0

You will study the materials, terminology, and design considerations used in the construction of cabinets. You will also learn how to construct and install wall cabinets.

INS 100 Principles and Practices of Insurance

Credit Units: 4.0 Course Hours: 60.0

Your studies will introduce the principles and practices of the insurance industry. You will examine the multi-faceted nature of the insurance business, develop an understanding of risk and strategies to respond to it, and examine contract law as it relates to the industry. You will be introduced to the terms and practices of the insurance business.

INS 100CE Principles and Practices of Insurance

Credit Units: 4.0 Course Hours: n/a

Your studies will introduce the principles and practices of the insurance industry. You will examine the multi-faceted nature of the insurance business, develop an understanding of risk and strategies to respond to it, and examine contract law as it relates to the industry. You will be introduced to the terms and practices of the insurance business.

INS 200 Insurance on Property

Credit Units: 5.0 Course Hours: 80.0

You will study the basics of insurance on commercial and personal property. The course content lays a foundation for references to discussions of property insurance in other courses in the Chartered Insurance Professional (CIP) program. Your studies will include discussion of current issues and legislation pertaining to insurance on property.

INS 202 Essential Skills for the Insurance Broker and Agent

Credit Units: 4.0 Course Hours: 60.0

You will study the insurance business from a broker's and agent's perspective. Your studies will focus on the needs of personal lines clients and small commercial risks. The course introduces the concepts of the broker as an insurance intermediary, follows the progress of risk from initial broker-client contract, continues through the evaluation and application, and ends with the binding and issuing of a policy. Your studies also include major insurance product lines and common policy transaction.

INS 203 Insurance Against Liability

Credit Units: 4.0 Course Hours: 60.0

You will develop a basic understanding of the Canadian legal systems and their relationship to liability insurance. Your studies will include how different types of liability arise, how legal concepts apply to liability insurance, and how policies and coverages are available for liability exposure. The course content will outline basic underwriting considerations for various types of liability exposure.

INS 204 Essentials of Loss Adjusting

Credit Units: 5.0 Course Hours: 80.0

You will review concepts addressed in other insurance courses from a claims viewpoint. Your studies will include a review of the Canadian legal systems, contract law, and other areas pertinent to insurance claims. The course content includes the standards of conduct that apply to independent adjusters.

INS 205 Underwriting Essentials

Credit Units: 4.0 Course Hours: 64.0

You will explore the role of an underwriter as an investor of shareholder capital on behalf of the insurer. Your studies will include the evolution of the role of underwriter, and you will also explore the process and factors that determine the acceptance or rejection of risk. You will develop both the "hard" and "soft" skills that you will require in your role as an underwriter.

INS 206 Introduction to Insurance on Property

Credit Units: 3.0 Course Hours: 45.0

The course content lays a foundation for references to discussions of property insurance in other courses in the Chartered Insurance Professional (CIP) program. Your studies will include discussion of current issues and legislation pertaining to insurance on property.

INS 207 Insurance on Habitational and Commercial Properties

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): INS 206

You will study the anatomy of insurance coverage for commercial and habitational property risks. This will include an in-depth examination of Homeowners forms, common policy exclusions, and the purpose and use of policy endorsements. You will also study other common personal property coverage as well as the Commercial Property Broad Form policy.

INS 208 Introduction to Loss Adjusting

Credit Units: 3.0 Course Hours: 45.0

You will review concepts addressed in other insurance courses from a claims viewpoint. Studies will include a review of the Canadian legal systems, contract law, and other areas pertinent to insurance claims. The course content includes the standards of conduct that apply to claims adjusters.

INS 209 Fundamentals of Loss Adjusting

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): INS 208

You will explore the practices of a typical claims adjuster, from receiving a notice of loss, investigating a claim, and negotiating a settlement. Students will have an opportunity to apply this knowledge in the context of an automobile physical damage loss, a residential property claim, and a comprehensive personal liability claim.

INSL 220 Building Envelope

Credit Units: 1.0 Course Hours: 15.0

You will be able to describe the fundamentals of building science including heat transfer, air flow issues, moisture control, and air quality concerns. You will also be able to describe the procedures required to install insulation and air/vapour barriers to meet building standards.

INST 104 Instrumentation

Credit Units: 4.0 Course Hours: 60.0

You will learn how to obtain meaningful measurements of electrical quantities and place these measurements in a useful format for engineering evaluation using manufacturers' manuals and test equipment.

INST 105 Industrial Instrumentation Practices

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MACH 106

You will discuss and apply appropriate safety practices in an industrial setting. You will operate basic hand and power tools. You will demonstrate proper tube bending techniques. You will use layout drawings, basic wiring and troubleshooting practices, to aid in the construction of an instrument panel.

INST 106 Instrumentation Safety

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): MEAS 111, MEAS 112

Corequisite(s): INST 107

Equivalent Course(s): ENG 120

You will describe a variety of area classification methods for preventing explosions. You will demonstrate principles of design, selection, installation, testing, and maintenance of intrinsically safe systems.

INST 107 Industrial Instrumentation Documentation

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MEAS 111, MEAS 112

Corequisite(s): INST 106

Equivalent Course(s): CADD 222

You will identify and sketch industrial process symbols as per International Society of Automation (ISA) standards. You will interpret and develop various process-related diagrams including loop drawings and piping and instrument drawings (P&ID) using a combination of hand-drawn and computer-aided drawing software techniques. You will interpret multiple industrial drawing types, including process flow diagrams and Scientific Apparatus Makers Association (SAMA) diagrams.

INST 182 Instrumentation

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): INST 220

You will study plant instrumentation and control systems. You will be introduced to various measuring devices as well as transmitters, recorders, controllers and actuators. You will describe the operation and maintenance of programmable controls and control systems. Your studies will also include interpreting various industrial drawings. You will be introduced to the operation of Distributed Control System (DCS) used to operate plant equipment using simulation software.

INST 185 Aircraft Instruments

Credit Units: 1.0 Course Hours: 15.0

You will study the principles of instrument function and limitations. You will practice interpreting instrument readings.

INST 186 Instrument Flying

Credit Units: 4.0 Course Hours: 60.0

You will study the regulations, theory and practical applications of instrument flying rules (IFR). Your studies will emphasize the use of Nav Canada and Canada Air Pilot publications.

INST 206 Sensors and Networks

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGM 193, CNTR 206

Equivalent Course(s): INST 288

You will develop foundational competency in process instrumentation, with perspective to the fields of Process Controls and Maintenance Management / Reliability Engineering. You will examine a variety of instrumentation devices and sensors, along with associated process signals and conditioning, measurement characteristics, as well as industrial communication protocols and networks. Laboratory exercises will supplement your study of pneumatic, electronic, digital and microprocessor-based measurement devices, signal transmitters, and communication methods.

INST 221 Final Control Elements

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): INST 105, MEAS 111, MEAS 112

You will study control valves and pressure relief devices. Examining, selecting, sizing, and calibrating final control elements will be emphasized. You will verify theoretical concepts and practice maintaining, calibrating and installing control valves.

INST 223 Basic Instruments

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENGE 120, LABS 120

You will be introduced to the units, dimensions, and standards of measurements. You will study the sources of measurement errors, as well as how to estimate them. You will also learn how to identify instrument types and their performance characteristics. You will calculate the required resistors to extend the range of measurements of ammeters, voltmeters and ohmmeters. You will study direct current (DC) and alternate current (AC) bridges, and their applications in measurements. You will also examine the circuit diagrams of digital multi-meters, frequency meters and oscilloscopes and use them in the lab.

INST 225 Instrumentation

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ELTR 221, LABS 221, LABS 222

You will study and use the manufacturers' user manual to independently perform tests on several test equipment. You will safely use test equipment to take precise measurements, analyze data and propose recommendations on your findings.

INST 227 Instrumentation and Measurement 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 110, PHYS 104

You will be introduced to various meteorological instruments in this laboratory-oriented course. You will measure various variables including precipitation, temperature, wind speed and direction, solar radiation, relative humidity, barometric pressure and evaporation.

INST 229 Electronic Instruments

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): INST 223

You will be introduced to the digital storage oscilloscope (DSO), logic analyzer, and spectrum analyzer. Using the DSO, you will experiment with various sampling methods and triggering mechanisms. You will use the logic analyzer in timing and state modes of operation. You will contrast amplitude, frequency, and phase modulation as well as their frequency spectra. You will operate the spectrum analyzer and experiment with the Fast Fourier Transform (FFT) technique in order to display the spectrum of a signal. Your studies will include an introduction to fiber optics components

INST 231 Instrumentation and Measurement 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): INST 227, SRVY 108

You will study various instruments and techniques that are used to measure and estimate stage, stream discharge, groundwater levels, and sediment loads. You will operate various instruments and spend time in the field taking hydrometric measurements.

INST 234 Analytical Instruments 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CHEM 225, INST 230

Building on the knowledge gained in INST 230 (Analytical Instruments 1), you will study other analytical devices (such as sampling systems, gas chromatographs, dissolved oxygen, humidity, turbidity, IR and UV spectroscopic analyzers, combustibles and toxic gas measurements).

INST 236 Distributed Systems

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): INST 228, CIRC 222, COAP 136

Corequisite(s): COMP 238

You will configure a distributed control system including graphics displays to provide for the manual or automatic sequence operation of a process incorporating Highway Addressable Remote Transducer (HART) field devices. The course content includes proportional, integral, derivative (PID), cascade, feedforward control, output tracking, discrete and sequence function charts.

INST 280 Controls and Instrumentation

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): INST 182

You will study boiler controls and plant instrumentation. You will study the computer control systems used to monitor and control boiler firing.

INST 288 Instrumentation and Controls

Credit Units: 7.0 Course Hours: 100.0

Prerequisite(s): COSC 181, FMEC 288, ELTR 289

The course provides an introductory study of all aspects of industrial process control (including process signals, measurement devices, final control elements, controllers and control schemes). You will examine analog and discrete state processes. Laboratory exercises will supplement your study of pneumatic, electronic, digital and microprocessor-based measurement devices, transmitters, final control elements, PID controllers and programmable logic controllers (PLC's).

INTL 600 Information Technology

Credit Units: 3.0 Course Hours: 45.0

You will learn the essential concepts of information security triad, confidentiality, integrity, and availability (CIA). You will examine the common vulnerabilities in computer and network systems and the methodology hackers use to exploit these systems.

INTL 601 Information Technology Auditing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CSEC 603, CSEC 605

You will learn about the concepts of auditing, controls and security in an Information Technology (IT) environment. You will study the following topics: general internal controls and their application, security, governance, standards, guidelines and regulations. You will examine methods and procedures used to assess the risks and evaluate controls over information systems in an organization.

INVS 200 Investment Funds in Canada 1

Credit Units: 3.0 Course Hours: 45.0

This course is the first of two in the immersion of the world of mutual fund product knowledge. You will develop the required skills and understanding to advise clients about their mutual fund investments based on their objectives, timeline and risk tolerance. Your studies will include the following: a mutual fund representative's legal, ethical, and professional responsibility. You will learn about the financial markets, the mutual fund industry, your role as a mutual fund sales representative, and different types of mutual funds. You will also gain a comprehension of the importance of the "Know Your Client" rule and how to apply it. Note: INVS 200 is offered under an agreement with the Canadian Securities Institute (CSI). Upon successful completion of this course and INVS 201, you will be eligible to write the licensing exam for the sale of mutual funds in the Canadian marketplace.

INVS 201 Investment Funds in Canada 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): INVS 200

This course is the second of two in the immersion of the world of mutual fund product knowledge. You will develop the required skills and understanding to advise clients about their mutual fund investments based on their objectives, timeline and risk tolerance. Note: This course is offered under an agreement with the Canadian Securities Institute (CSI). Upon successful completion of this course and INVS 200, you will be eligible to write the licensing exam for the sale of mutual funds in the Canadian marketplace.

INVS 600 Financial Advising

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FIN 602

You will gain the necessary skills to develop a comprehensive response to a client's financial needs. You will participate in learning activities such as conducting a financial needs analysis, portfolio planning, reviewing financial advising models, and conducting client interviews.

INVS 601 Investment Funds (IFC) Prep 1

Credit Units: 3.0 Course Hours: 45.0

You will develop the required skills and knowledge to advise clients about their mutual fund investments based on their objectives, timeline and risk tolerance. Your studies will include these topics: a mutual fund representative's legal, ethical, and professional responsibilities. You will learn about the financial markets, the mutual fund industry, your role as a mutual fund sales representative, and different types of mutual funds. You will also gain an understanding in the importance of the "Know Your Client" rule and how to apply it.

INVS 602 Investment Funds (IFC) Prep 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): INVS 601*

You will learn the risk-return relationship of investments as well as be able to explain the process of creating and managing investment portfolios that meets client's needs. You'll gain an understanding of the different types of mutual funds. Finally, you will be able to assess mutual fund's performance and fee structure and be able to explain these features to a client. Upon successful completion of the course, you will be eligible to write the licensing exam for the sale of mutual funds in the Canadian marketplace.

IOT 100 Internet of Things Fundamentals

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CWEB 100*

You will study the objects and connections that make up the Internet of Things (IoT). You will build sensors and actuator systems using the Arduino microcontroller. You will create programs in Python that provide Internet of Things functionality to the Raspberry Pi computer. You will design an Internet of Things system that can solve problems in manufacturing, healthcare, or energy systems.

IOT 101 Internet of Things Security

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): IOT 100*

You will study the processes and techniques used to secure an Internet of Things (IoT) device. You will explain the need for Internet of Things security and explore potential security risks. You will perform activities that evaluate physical, application, and communication security for your Internet of Things device. You will create a risk management framework to establish a threat mitigation measure for your IoT device.

IOT 200 Internet of Things: Applications in Agriculture

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to various applications of Internet of Things (IoT) devices in the agriculture sector. You will study network options, commonly used sensors, and an overview of the primary electronic components of an IoT device. You will discuss practical applications of how collected data can be used to inform agricultural management practices.

IPE 100 Interprofessional Education

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): ETHC 101

Upon completion of this course, you will be able to define Interprofessional Education (IPE) and practice. You will be able to describe the benefits, barriers, and enablers to IPE. You will be able to explain how IPE positively affects collaborative patient-centered care. You will participate in a variety of IPE activities that will highlight professional values and ethics, as a member of an interprofessional team.

IPSK 01 Interpersonal Skills Level 1

Credit Units: 0.0 Course Hours: 100.0

The Circle of Learning - develop skills to become self-aware, recognize and respect diversity, develop awareness of community and roles within the community and demonstrate cooperativeness and teamwork sufficient to enter Level 2

IPSK 02 Interpersonal Skills Level 2

Credit Units: 0.0 Course Hours: n/a

The Circle of Learning-Continues the skill development from Level 1sufficient to enter Level Three

IPSK 100 Interpersonal Communications

Credit Units: 3.0 Course Hours: 45.0

You will be given opportunities to develop important skills used to facilitate effective interpersonal communication in the workplace. Your studies will focus on the development of active listening skills, conflict resolution strategies, verbal skills, and an increased understanding of non-verbal messages, and some problem-solving skills.

IPSK 160 Interpersonal Skills for Service Excellence

Credit Units: 2.0 Course Hours: 30.0

You will learn the knowledge, skills and attitudes (KSAs) that are necessary to provide service excellence to clients/customers. You will examine and improve your own KSAs related to providing service excellence to your clients and team members. Your skill development will emphasize the interpersonal and communication skills that are critical in your interactions with clients. Considerable importance will be placed on strategies for connecting with clients.

IPSK 200 Essential Business Skills

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): FIN 225

In addition to developing your presentation, time management and emotional intelligence skills, you will be creating a personal brand that will communicate your individuality to the world. You will also practice proper Canadian business communication and etiquette in various circumstances to ensure success in your chosen field.

IPSK 201 Professionalism within Municipal Administration

Credit Units: 3.0 Course Hours: 45.0

You will develop techniques for communicating effectively that will improve your long-term relationships with stakeholders. You will learn the elements of the communication process and practice proper channels to use based on your message. You will also prepare for difficult conversations by learning ways to work towards collaboration when managing conflict.

IPSK 600 Building Client Relationships 1

Credit Units: 3.0 Course Hours: 45.0

You will focus on the development of self-awareness, increased understanding of others and development of effective interpersonal communication skills. You will become more aware of the impact of your own communication choices and patterns. You will develop and use communication techniques that demonstrate personal awareness, respect, and active listening skills. You will explore concepts of culture and diversity as they relate to interpersonal communications and client interactions. You will be able to use appropriate and effective interpersonal communications skills in a variety of workplace settings.

IPSK 601 Building Client Relationships 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): IPSK 600

You will develop an understanding of customer service and the skills associated with understanding the needs of clients, meeting those needs, and fostering an environment that encourages clients to return.

IRRI 200 Irrigation

Credit Units: 3.0 Course Hours: 45.0

You will discuss the significant role irrigation plays in agriculture. You will examine soil characteristics, irrigation scheduling, drainage, and types of irrigation systems. You will develop an irrigation set-up for a test plot.

Course Descriptions J

JOBR 100 Job Preparation and Workplace Wellness

Credit Units: 3.0 Course Hours: 45.0

You will develop employability skills that prepare you to work in the security field. You will examine the roles and concepts of professional behavior in the security industry. You will also examine the components of a healthy lifestyle necessary for wellness in the workplace.

JOBR 120 Job Readiness

Credit Units: 1.0 Course Hours: 16.0

You will develop essential employability skills which will assist you in labour market research in the information technology sector, employment-related communications, and interviewing techniques. You will prepare documentation required for a successful job application and employment.

JOBS 101 Shop Management

Credit Units: 2.0 Course Hours: 30.0

You will study quality assurance, lean manufacturing, and job planning. You will study the concepts and benefits of quality assurance, quality control and lean manufacturing. The steps of the planning process will be identified while developing a job plan. You will be introduced to the elements of efficient shop management in today's competitive market.

JOBS 125 Essential Job Skills

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): COMM 106, COMM 127, HUMR 102, TCOM 102, TCOM 105

You will develop essential job skills by preparing job search documents and practicing effective interpersonal communication skills for the workplace.

JOBS 290 Job Search

Credit Units: 2.0 Course Hours: 24.0

You will refine your job search skills. You will identify job search strategies, develop a personal inventory of skills and interview an employer to help determine industry expectations. The course content includes developing a resume and cover letter and preparing for and participating in a job practice interview.

Course Descriptions L

LABS 120 Basic Electricity Lab

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGE 120*, MAT 110*

Equivalent Course(s): LABS 123

You will identify electrical elements, equipment, and instruments. You will build and troubleshoot electric circuits and use instruments to measure electrical quantities. You will perform several labs to validate theoretical concepts, electrical laws, and network theorems.

LABS 121 Water and Wastewater Laboratory Principles

Credit Units: 3.0 Course Hours: 45.0

You will review basic water chemistry. You will also describe laboratory equipment, laboratory safety, sampling techniques, preservation, storage and shipping of samples.

LABS 121CE Water and Wastewater Laboratory Principles

Credit Units: 3.0 Course Hours: n/a

You will review basic water chemistry. You will also describe laboratory equipment, laboratory safety, sampling techniques, preservation, storage and shipping of samples.

LABS 122 Water and Wastewater Laboratory Principles 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LABS 121

You will gain hands-on laboratory testing experience for typical testing required for quality and operational monitoring of water and wastewater treatment, water distribution and collection systems.

LABS 122CE Water and Wastewater Laboratory Principles 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): LABS 121

You will gain hands-on laboratory testing experience for typical testing required for quality and operational monitoring of water and wastewater treatment, water distribution and collection systems.

LABS 123 Basic Electricity Lab

Credit Units: 6.0 Course Hours: 96.0

Corequisite(s): ENGE 121

Equivalent Course(s): LABS 120

You will become familiar with illustrating and verifying the theoretical concepts covered in the lectures in ENGE 121 (Basic Electricity). You will perform measurements typical of all technologies in the electrical stream.

LABS 200 Direct Current Machines Lab

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENGE 120, LABS 120, MAT 110

Corequisite(s): ENGE 201

You will examine magnetic properties and conduct tests on various types of Direct Current(DC) motors and generators. You will study how DC machines operate and understand their underlying principles and characteristics. You will examine the characteristics of DC machines using computer simulation software.

LABS 201 Alternating Current Machines Lab

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENGE 201, LABS 200, ENGE 220, LABS 221, MAT 112

Corequisite(s): ENGE 202

You will examine induction and synchronous motors as well as, Alternating Current (AC) generators. You will perform detailed analysis of paralleling alternators under varying loads and operating conditions. You will use computer simulation software to study the characteristics of AC machines.

LABS 202 Environmental Laboratory Analysis

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MAT 110

Corequisite(s): CHEM 200

You will focus on learning the lab skills required to obtain water quality measurements. You will apply these skills to proper sampling protocol and laboratory analysis, with an emphasis on interpreting the laboratory results and applying them to applicable federal and provincial regulations and objectives.

LABS 220 Water/Wastewater Lab Analysis

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 110

Corequisite(s): CHEM 200

You will focus on the lab skills required to obtain water and wastewater quality measurements. You will be able to perform the tasks involved in obtaining analytical results from those samples and applying those results to the regulations and what those results are telling you about the water quality.

LABS 221 Alternating Current Circuit Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENGE 120, LABS 120, MAT 110

Corequisite(s): ENGE 220

In this laboratory-based course, you will identify Alternating Current (AC) electrical quantities, build electric circuits, and use instruments to measure electrical quantities in single phase and three-phase AC circuits. You will perform several labs to validate theoretical concepts, electrical laws, and network theorems.

LABS 222 Semi-Conductor Electronics Lab

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): LABS 120

Corequisite(s): ELTR 221

You will verify theoretical concepts by working with electronic circuits commonly found in electronic equipment. You will perform experiments on standard diodes and Bipolar Junction-Transistor (BJT) amplifier circuits.

LABS 224 Industrial Power Electronics Lab 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): LABS 222

Corequisite(s): ELTR 223

You will conduct experiments on Field Effect Transistors (FETs), operational amplifiers, filters, and oscillator circuits.

LABS 227 Industrial Power Electronics Lab 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LABS 224

Corequisite(s): ELTR 228

You will illustrate and verify the power electronics theoretical concepts. You will perform lab experiments on the characteristics and operations on several power devices and converter systems.

LABS 230 Industrial Machine Controls Lab

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): LABS 222

Corequisite(s): CNTR 230

You will examine the magnetic control of Direct Current (DC) and Alternating Current (AC) motors including the functions, requirements, and components of control systems. You will use a Programmable Logic Controller (PLC) ladder logic program to control DC and AC motors.

LABS 232 Power System Protection Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COAP 232, DSGN 225, LABS 230

Corequisite(s): ENGE 232

You will study protection devices and systems from a practical perspective. You will perform numerical relay testing as well as build and troubleshoot several protection and control schemes for various power systems.

LABT 150 Analytical Instrumentation 1

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): LABT 151, MATH 192

You will begin your studies on analytical instrumentation by learning about components and terminology common to most instruments. Your first introduction to the functioning of instrumentation will include pH meters, ion selective electrodes, and basic spectrometers. You will learn about measures of quality in measurements and calibration of instrumentation.

LABT 151 Analytical Instrumentation 1 Lab

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): LABT 150, MATH 192

You will be introduced to the operation of instrumentation for chemical analysis. You will learn about calibration of instrumentation for quantitative measurements using physical measurements of natural phenomena. You will be provided instruction in the operating techniques of pH meters and basic spectrophotometers.

LABT 152 Analytical Instrumentation 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): LABT 150, LABT 151

You will be introduced to both physical and chemical separation methods. You will learn the basic theory behind chromatographic separations. Your studies will focus on instrumentation, column theory and the application of these techniques to various separation problems in gas and liquid chromatography.

LABT 153 Analytical Instrumentation 2 Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LABT 150, LABT 151

You will be instructed on how to operate both gas chromatographs and liquid chormatographs in the laboratory. You will develop methods to separate mixtures using the chromatographic instruments, and to adjust instrumental parameters to improve the efficiency and the resolution of the separations.

LABT 154 Sampling Techniques

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): STAT 101

You will receive the theoretical and practical background needed to understand the steps required to obtain a representative sample for chemical analysis on water, air and soil samples. You will understand the principles of sampling techniques and the importance of having a sampling plan.

LABT 182 Laboratory Preparation Techniques 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MICR 282*, MICR 283*

You will prepare material for teaching laboratories to gain technical experience. You will prepare chemical solutions, stains, reagents and various types of culture media. You will study the operation and care of laboratory equipment, inventory procedures and ordering supplies along with general housekeeping duties required in a laboratory.

LABT 184 Analytical Instrumentation 1

Credit Units: 6.0 Course Hours: 93.0

Prerequisite(s): BIOC 281, CHEM 283

Equivalent Course(s): LABT 187

You will be introduced to spectrophotometry and electroanalysis as used in the bioscience field. You will study the chemical background, construction of and mode of operation of these instruments. You will explore basic operating techniques, the effects of operational parameters on data quality, and several applications in the laboratory.

LABT 187 Analytical Instrumentation 1

Credit Units: 5.0 Course Hours: 80.0

Equivalent Course(s): LABT 184

You will begin your studies by describing analytical instrumentation and the statistical terms used. You will focus on analytical instrumentation and its application of physical measurements of natural phenomena (such as electricity, electromagnetic energy and particle behaviour to chemical analysis). In the laboratory, you will be provided with an introduction to basic operating techniques in pH measurement, potentiometric titrations, and basic measurements using an Ultraviolet/Visible (UV/VIS) spectrophotometer.

LABT 200 Introductory Analytical Instrumentation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CHEM 174

Equivalent Course(s): LABT 288, LABT 289

You will examine the use of spectrophotometry and electroanalysis instruments in the biosciences. You will apply basic maintenance and operating techniques for using electrodes and spectrophotometers. You will perform analysis of samples using analytical instruments to produce data. You will prepare analytical solutions and use statistics to evaluate data.

LABT 201 Advanced Analytical Instrumentation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CHEM 174, LABT 200

Equivalent Course(s): LABT 292, LABT 293

You will be introduced to the principles of analytical separation using gas chromatography (GC) and liquid chromatography (LC) instrumentation. You will study detection methods including mass spectrometry MS. You will examine the applications of GC and LC in the biosciences. You will study application of GC and LC techniques. You will study sample preparation for GC and LC analysis. You will examine data produced from a Gas chromatograph Mass spectrometer GC-MS.

LABT 250 Analytical Instrumentation 3

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): LABT 150, LABT 151

You will be introduced to a number of advanced techniques utilized in atomic spectroscopy. You will learn the theory and components of atomic absorption spectrophotometry (AAS), atomic emission spectroscopy (AES), inductively coupled plasma optical emission spectroscopy (ICP-OES) and x-ray fluorescence spectroscopy (XRF). You will apply graphical and computer software tools to create calibration curves for data obtained from instrumental analyses.

LABT 251 Analytical Instrumentation 3 Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LABT 150, LABT 151

You will learn the software and operation of atomic absorption spectroscopy (AAS), atomic emission spectroscopy (AES), inductive coupled plasma optical emission spectroscopy (ICP-OES), and x-ray fluorescence spectroscopy (XRF). You will explore the effects of operational parameters and instrument conditions on data quality. You will prepare and analyze various real world samples on various spectroscopic techniques.

LABT 252 Analytical Instrumentation 4

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): LABT 150, CHEM 152

Corequisite(s): LABT 253

You will become familiar with the instrumentation associated with elucidating molecular structures. You will learn the theory and instrumental components used in a scanning ultraviolet/visible (UV-VIS) spectrometer, a Fourier transform infra-red (FTIR) spectrometer, a mass spectrometer (MS) and a nuclear magnetic resonance (NMR) spectrometer.

LABT 253 Analytical Instrumentation 4 Lab

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): LABT 150, CHEM 152

Corequisite(s): LABT 252

You will be introduced to several techniques used in molecular spectroscopy. You will learn the operation of the scanning ultraviolet/visible (UV-VIS) spectrometer, the Fourier transform infra-red (FTIR) spectrometer, the mass spectrometer (MS) and the nuclear magnetic resonance (NMR) spectrometer. Your laboratory work will provide you with the opportunity to investigate the operation and preparation of samples for each of these instrumental methods and to use the data obtained from the instruments for the elucidation of chemical structures.

LABT 282 Cell and Tissue Culture

Credit Units: 4.0 Course Hours: 64.0

Prerequisite(s): ANAT 182, MICR 184*, PYSL 280

You will be introduced to plant tissue culture techniques. You will perform sterilization techniques, prepare plant tissue culture media and maintain plant cultures. You will also prepare animal cell culture media and materials. You will learn to maintain and subculture cell lines, prepare a primary cell culture and perform cell transfection.

LABT 283 Laboratory Preparation Techniques 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LABT 182, MICR 282, MICR 283, MICR 284*, MICR 285*

You will apply Laboratory Preparation Techniques. You will prepare materials for teaching laboratories and apply quality control and assurance to the documentation of laboratory activities. You will demonstrate basic supervisory and leadership skills, operate and maintain laboratory equipment, assist with inventory and perform general laboratory duties.

LABT 284 Analytical Instrumentation 3

Credit Units: 5.0 Course Hours: 80.0

You will be introduced to a number of advanced techniques utilized in atomic spectroscopy. You will learn the theory and operation of atomic absorption spectrophotometry (AAS), arc and spark atomic emission spectroscopy, inductively coupled plasma optical emission spectroscopy (ICP-OES) and x-ray fluorescence spectroscopy (XRF). You will apply graphical and computer software tools to create calibration curves for data obtained from instrumental analyses. The course content includes the necessary chemical background and the construction and mode of operation of the instruments used in these areas. You will be introduced to basic operating techniques and to explore the effects of operational parameters on data quality and looking at several applications.

LABT 285 Analytical Instrumentation 4

Credit Units: 5.0 Course Hours: 80.0

You will be introduced to several techniques used in molecular spectroscopy. You will become familiar with the instrumental techniques associated with elucidating molecular structures. You will learn the theory and operation of the scanning ultraviolet/visible (UV-VIS) spectrometer, the Fourier transform infra-red (FTIR) spectrometer, the mass spectrometer (MS) and the nuclear magnetic resonance (NMR) spectrometer. Your laboratory work will provide you with the opportunity to investigate the operating techniques of each of these instrumental methods and obtain qualitative information from each instrument.

LABT 287 Analytical Instrumentation 2

Credit Units: 6.0 Course Hours: 90.0

Equivalent Course(s): LABT 281

You will be introduced to separations based on distillation methods, solvent extractions and chromatography. You will learn the basic theory behind chromatographic separations. Your studies will focus on instrumentation, column theory, methods of qualitative and quantitative analysis, and the application of these techniques to various separation problems in gas and liquid chromatography. You will perform separations using both a gas and a liquid chromatograph.

LABT 288 Analytical Instrumentation 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 173, CHEM 174, STAT 181, BIOC 281

Corequisite(s): LABT 289

You will be introduced to spectrophotometry and electroanalysis as used in the bioscience field. You will study the chemical background, construction of and mode of operation of these instruments.

LABT 289 Analytical Instrumentation 1 Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 173, CHEM 174, STAT 181, BIOC 281

Corequisite(s): LABT 288

You will apply basic maintenance and operating techniques for using ion-selective electrodes and spectrophotometers. You will use analytical instruments to analyze samples and interpret analytic data. You will prepare analytical solutions and use statistics to evaluate data.

LABT 290 Plant Tissue Culture Lab

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PYSL 180, PYSL 181, MICR 282*, MICR 283*

You will examine plant tissue culture techniques. You will perform sterilization techniques, prepare plant tissue culture media, and produce plant cultures.

LABT 291 Animal Cell Culture Lab

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ANAT 183, ANAT 184, MICR 282*, MICR 283*

You will prepare animal cell culture media and materials. You will study the safe handling and disposal of cell culture materials. You will maintain and subculture cell lines and prepare a primary cell culture.

LABT 292 Analytical Instrumentation 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LABT 288, LABT 289

Corequisite(s): LABT 293

You will study gas chromatography (GC), liquid chromatography (LC), and capillary electrophoresis (CE). You will be introduced to the principles of analytical separation using these instruments and the unique features of having a mass spectrometer (MS) detector. You will examine the applications of the instruments to the field of biotechnology.

LABT 293 Analytical Instrumentation 2 Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LABT 288, LABT 289

Corequisite(s): LABT 292

You will build on the knowledge learned in Analytical Instrumentation 1. You will evaluate, select, and test instrumentation and equipment appropriate to the chemical analysis.

LABT 297 Laboratory Preparation Techniques in Chemistry

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MATH 192, CHEM 179

You will follow written and verbal instructions in the preparation of laboratory materials. You will prepare chemical solutions, and dilute acids and bases for the program laboratories. You will be involved in properly caring for and maintaining glassware and equipment, inventory procedures and ordering supplies. You will also perform general housekeeping duties required in a laboratory. You will keep accurate records and display effective teamwork skills.

LAW 100 Law and Ethics

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): SFTY 191

Your studies will focus on an overview of occupational health and safety systems. You will examine societal and organizational aspects, core principles, essential elements, and a variety of legislation.

LAW 100CE Law and Ethics

Credit Units: 4.0 Course Hours: n/a

Your studies will focus on an overview of occupational health and safety systems. You will examine societal and organizational aspects, core principles, essential elements, and a variety of legislation.

LAW 101 Law for Emergency Communication

Credit Units: 2.0 Course Hours: 30.0

You will learn about the legal system in Canada and focus on specific legislation at it applies to the field of Emergency Communication. Your studies will include the creation of laws and how they are applied at the federal, provincial and municipal level, provincial acts and statutes that impact Emergency Services, and the concepts of liability.

LAW 162 Criminal Law

Credit Units: 3.0 Course Hours: 45.0

You will examine the Criminal Code and its relationship to selected criminal offenses and cases. You will also examine elements of a crime, pre-trial criminal procedures and the significance of the Charter of Rights and Freedoms and their impact on criminal law.

LAW 162CE Criminal Law

Credit Units: 3.0 Course Hours: n/a

You will examine the Criminal Code and its relationship to selected criminal offenses and cases. You will also examine elements of a crime, pre-trial criminal procedures and the significance of the Charter of Rights and Freedoms and their impact on criminal law.

LAW 163 Public Safety Reporting Procedures

Credit Units: 3.0 Course Hours: 45.0

You will develop observational skills to collect information to write a variety of public safety reports. Based on these acquired skills, you will use a notebook to record detailed information which will then be utilized to write police reports. You will also link information in these reports to the delivery of testimony in court.

LAW 163CE Public Safety Reporting Procedures

Credit Units: 2.0 Course Hours: n/a

You will develop observational skills to collect information to write a variety of public safety reports. Based on these acquired skills, you will use a notebook to record detailed information which will then be utilized to write police reports. You will also link information in these reports to the delivery of testimony in court.

LAW 164 Reporting Procedures for Security Officers

Credit Units: 2.0 Course Hours: 30.0

You will develop observational skills to collect the information necessary for a variety of law enforcement reports. Based on these acquired skills, you will write reports. You will also link information in these reports to the delivery of testimony in court.

LAW 165 Legal Acts, Statutes and Regulations

Credit Units: 2.0 Course Hours: 30.0

You will apply various legal acts, statutes and regulations that are common in court proceedings.

LAW 1800 Student Assist Law

Credit Units: 0.0 Course Hours: 1.0

Student Assist Law

LAW 220 Commercial Law

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ACP 170, LAW 240

Your studies will focus on the field of commercial law. You will apply the concepts of tort law and contract law. You will examine various legislative acts. Legal concepts in your studies will include torts, contracts, agency, forms of business organizations, the sale of goods, employment, bailment, insurance, personal as well as real property, and secured transactions.

LAW 220CE Commercial Law

Credit Units: 4.0 Course Hours: n/a

Your studies will focus on the field of commercial law. You will apply the concepts of tort law and contract law. You will examine various legislative acts. Legal concepts in your studies will include torts, contracts, agency, forms of business organizations, the sale of goods, employment, bailment, insurance, personal as well as real property, and secured transactions.

LAW 300 Construction Law

Credit Units: 3.0 Course Hours: 45.0

You will analyze the legal basis of construction management including Tort (liability) and Contracts.

LAW 300CE Construction Law

Credit Units: 3.0 Course Hours: n/a

You will analyze the legal basis of construction management including Tort (liability) and Contracts.

LAW 301 Law and Ethics

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on the field of business law in Canada and its related concepts of business ethics. You will examine the concepts of contract law and apply them in business contexts. You will also learn and apply legislation related to torts, agency, various forms of business organization, and the sale of goods. Particular emphasis will be placed on labour relations law, as well as applying ethical decision-making within business contexts, as well as essential decision making within a business context.

LAW 600 Commercial Law

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MGMT 131

Having an adequate base knowledge of Canadian business law can inform the decisions made by a businessperson. Your studies will focus on the field of business law in the Canadian context. You will examine the concepts of contract law. You will learn and apply common law related to torts, agency, and various forms of business organization. Particular emphasis will be placed managing legal risks through planning, strategizing, and recognizing when professional advice is needed.

LAW 601 Legal Aspects of Entrepreneurship

Credit Units: 3.0 Course Hours: 45.0

You will gain a practical understanding of the various legal aspects of owning and operating a small business in Canada. Specifically, you will study tort law, contract law, Sale of Goods Acts, Consumer Protection Acts, employment law, and protecting intellectual property. Additionally, you will gain insight into taxation, tax planning, and tax considerations for Indigenous owned businesses, selecting a legal structure for a new venture, as well as how to register a business.

LEAD 010 Leadership and Coaching Development

Credit Units: 4.0 Course Hours: 60.0

You will learn leadership and coaching competencies required by today's managers and supervisors. You will discover your leadership strengths and practice effective coaching techniques, communication, decision-making, and conflict resolution strategies. You will develop your Leadership Action Plan.

LEAD 010CE Leadership and Coaching Development

Credit Units: 4.0 Course Hours: n/a

You will learn leadership and coaching competencies required by today's managers and supervisors. You will discover your leadership strengths and practice effective coaching techniques, communication, decision-making, and conflict resolution strategies. You will develop your Leadership Action Plan.

LEAD 100 Leadership and Professionalism

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EMER 117*

Your studies will focus on leadership and professionalism in paramedic practice. You will learn to function within provincial legislations, policies and procedures, including how to collaborate with law enforcement. You will study the importance of patient advocacy. You will participate in quality assurance, health promotion, injury prevention and public safety activities. You will also promote awareness of the paramedic profession and learn how to work within an incident management system (IMS).

LEAD 115 Leadership Principles

Credit Units: 2.0 Course Hours: 30.0

You will focus on the goals, functions and roles of leadership. You will learn what leadership is and what it takes to become a successful leader. You will examine different types of leaders, the ways that they are effective, and consider situations where one leadership style may be better than another.

LEAD 115CE Leadership Principles

Credit Units: 2.0 Course Hours: n/a

You will focus on the goals, functions and roles of leadership. You will learn what leadership is and what it takes to become a successful leader. You will examine different types of leaders, the ways that they are effective, and consider situations where one leadership style may be better than another.

LEAD 116 Coaching and Teambuilding for Leaders

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SFCP 605

You will examine what a team is and how to become part of a functioning team and even a high performing team at times.

LEAD 116CE Coaching and Teambuilding for Leaders

Credit Units: 2.0 Course Hours: n/a

You will examine what a team is and how to become part of a functioning team and even a high performing team at times.

LEAD 117 Indigenous Leadership and Resilience

Credit Units: 2.0 Course Hours: 30.0

Indigenous peoples across Canada have demonstrated their diverse approaches to using resiliency in leadership. In this course you will gain a national perspective of leadership styles incorporated in indigenous communities. You will identify the distinctive Indigenous language groups represented nationally and learn their stories on moving forward in a good way. In this course, you will experience and enhance your understanding of how traditional forms of Indigenous Leadership have consistently demonstrated resiliency amidst a rapidly changing colonial state.

LEAD 118 Indigenous Business and Entrepreneurship

Credit Units: 2.0 Course Hours: 30.0

You will discover Indigenous peoples' collective histories outline a rich heritage of trade prior to and during colonization which helped to form Canada's economic base. This course will overview the challenges for Indigenous Businesses and Entrepreneurs.

LEAD 121 Leadership for Safety and Site Management

Credit Units: 2.0 Course Hours: 30.0

This course will provide key insights for leaders in the responsibilities for a safe workplace. You will review and analyze workplace safety. You will experience and enhance your understanding of how an informed leader will help keep the workplace safe.

LEAD 122 Safety Administration

Credit Units: 2.0 Course Hours: 30.0

In this course, you will review administrators and employers' roles and responsibilities for health awareness in the workplace, communication with various managers, supervisor, and teams, and review workplace health and wellness strategies. You also will enhance your understanding of the importance of the administrators and employer ensuring a safe healthy workplace environment.

LEAD 180 Leadership and Group Dynamics

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the concepts of leadership and group dynamics and learn the theory of leadership, ethics and professionalism. Your studies will include information on group processes and their practical application. You will also learn about decision making and the collaborative process, conducting meetings, and leading discussion groups.

LEAD 180CE Leadership and Group Dynamics

Credit Units: 3.0 Course Hours: n/a

You will be introduced to the concepts of leadership and group dynamics and learn the theory of leadership, ethics and professionalism. Your studies will include information on group processes and their practical application. You will also learn about decision making and the collaborative process, conducting meetings, and leading discussion groups.

LEAD 200 Applied Leadership

Credit Units: 3.0 Course Hours: 45.0

Your studies will further develop your group processing skills and will provide you with the opportunity to discuss the importance of having a working leadership philosophy. You will focus on the problem solving process, controversy and conflict and managing change.

LEAD 201 Leadership in Nursing

Credit Units: 3.0 Course Hours: 45.0

You will enhance your leadership skills. You will study the changing roles in nursing, the professional concepts of leadership and management, and the significance of communication and conflict resolution to leadership and management. You will study how ethical and legal issues influence nursing; and how power and motivation relate to leadership and management. You will be able to demonstrate the basic skills necessary to be an effective team leader.

LEAD 201CE Leadership in Nursing

Credit Units: 3.0 Course Hours: n/a

You will enhance your leadership skills. You will study the changing roles in nursing, the professional concepts of leadership and management, and the significance of communication and conflict resolution to leadership and management. You will study how ethical and legal issues influence nursing; and how power and motivation relate to leadership and management. You will be able to demonstrate the basic skills necessary to be an effective team leader.

LEAD 202 Leadership and Team Management in Occupational Health Nursing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 287

You will develop the knowledge and skills to effectively manage a health services unit, lead a team, and participate in team work. You will be prepared to provide strong leadership and communication skills emphasizing planning, supervision, problem solving, team work, and team effectiveness.

LEAD 202CE Leadership and Team Management in Occupational Health Nursing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 287

You will develop the knowledge and skills to effectively manage a health services unit, lead a team, and participate in team work. You will be prepared to provide strong leadership and communication skills emphasizing planning, supervision, problem solving, team work, and team effectiveness.

LEAD 203 Leadership in the Food Services and Hospitality Industry

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HR 202*, MGMT 107, MGMT 215

You will explore the concept of leadership in the food service and hospitality industry. Focus will be on the development of skills in coaching, conflict management, and emotional intelligence, with special attention to leading in hospitality settings.

LEAD 301 Innovation and Leadership

Credit Units: 3.0 Course Hours: 45.0

You will gain a strategic perspective on the emerging role of innovation. You will explore effective methods and practices to promote innovation. The role of the leaders and stakeholders, as well as change management and communication in the innovation and decision-making process will be examined.

LEAD 302 Leadership Fundamentals

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): LEAD 300

You will develop the knowledge, skills and competencies to work with and manage people in the workplace, community, and volunteer experiences. You will learn strategies for building and maintaining trust, developing successful interpersonal interactions, and addressing difficult situations. You will develop useful techniques for creating learning conversations used in coaching situations.

LEAD 303 Contemporary Leadership

Credit Units: 3.0 Course Hours: 45.0

You will develop the essential knowledge, skills, and competencies to apply leadership concepts to your personal and professional life. Through the tool of narrative, you will explore your own leadership philosophy and compare it with the characteristics of sound leadership practice. You will explore concepts such as leadership ethics and effective leadership, and create a leadership development action plan.

LEAD 400 Effective Leadership

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LEAD 302

You will develop leadership skills which are appropriate for diverse organizational community contexts. The course content emphasizes the interactions between self, systems and the organizational context. You will explore the types of actions based on theoretical approaches and conceptual understandings, which leaders take to make positive differences. You will develop your vision of leadership within a diverse organization and determine how you will apply your leadership vision in a variety of organizational and community contexts.

LEAD 601 Leadership and Professionalism

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): LEAD 600

You will develop knowledge and skills related to professionalism and leadership. You will apply strategies related to leading diverse teams, developing and motivating team members, and guiding teams through change. Additionally, you will reflect on your personal purpose, discover your 'why', and plan development activities that will contribute to living your purpose.

LEGL 141 Policing in Canada

Credit Units: 4.0 Course Hours: 60.0

You will examine the origins and philosophical development of policing in Canada from its inception to current policing practices. You will learn about the structure of police organizations, policing models, and strategies associated with current policing methods.

LEGL 142 Ethics in Policing Careers

Credit Units: 3.0 Course Hours: 40.0

You will study the process of developing values and how they relate to the development of morals. You will examine the concepts embodied in values clarification and moral dilemmas, as they apply to the field of policing.

LEGL 142CE Ethics in Policing Careers

Credit Units: 3.0 Course Hours: n/a

You will study the process of developing values and how they relate to the development of morals. You will examine the concepts embodied in values clarification and moral dilemmas, as they apply to the field of policing.

LEGL 143 Preparation for Police Assessments

Credit Units: 4.0 Course Hours: 60.0

Your studies will provide you with an opportunity to develop practical strategies to improve cognitive and academic skill testing to enter the police field. You will practice writing simulated exams and participate in mock interviews in order to develop skills in this area. You will also develop a resume and a portfolio specific for entry into the field of policing.

LEGL 144 Criminal Investigation

Credit Units: 3.0 Course Hours: 45.0

You will learn about the processes involved in conducting a criminal investigation. You will have an opportunity to develop skills such as note taking, investigative photography, incident scene drawing, and search techniques.

LEGL 145 Criminal Investigation Procedures

Credit Units: 4.0 Course Hours: 60.0

You will learn about the processes involved in criminal investigations. You will apply skills in gathering information, collecting evidence, and securing a crime scene.

LEGL 161 Restorative Justice

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): LEGL 141

You will examine the concept of restorative justice and explore the current initiatives provincially, nationally and internationally.

LEGL 200 Policing in Canada 2

Credit Units: 3.0 Course Hours: 45.0

You will explore current topics in the field of policing which will include discussions around the Charter of Rights and Freedoms, police accountability, the global nature of crimes, and victimology.

LEGL 201 Investigative Interviewing

Credit Units: 2.0 Course Hours: 30.0

You will learn investigative interviewing techniques which will include obtaining statements from, complainants, victims, witnesses, and suspects.

LEGL 202 Policing in Diverse Communities

Credit Units: 3.0 Course Hours: 45.0

You will examine the relationships between policing and diverse communities. Topics will include policing in First Nations communities, racial profiling, and working with newcomers to Canada.

LEGL 203 Indigenous Policing Foundations

Credit Units: 3.0 Course Hours: 45.0

You will study the role of First Nations governance and treaties in policing. Your studies will also include an examination of the current models of policing in Indigenous communities.

LEGL 204 Police Investigative File Management

Credit Units: 3.0 Course Hours: 45.0

You will examine the legal and court documents used in the investigation of various criminal matters. You will examine and complete the documentation required for investigative and court-related processes.

LEGL 205 Defensive Tactics Procedures

Credit Units: 3.0 Course Hours: 45.0

You will demonstrate appropriate control tactics and force options to respond to threatening and confrontational situations.

LEGL 206 Customer Service in the Police Environment

Credit Units: 1.0 Course Hours: 15.0

You will examine key components that enhances and provides exceptional customer service delivery in a policing environment.

LERN 01 Essential Skills Development

Credit Units: 0.0 Course Hours: 100.0

Essential skills development and academic preparation for credit programming and employment.

LERN 1001 Access

Credit Units: 0.0 Course Hours: 250.0

Access is a ten-week entry course, which prepares students to further academic studies, or for entry to employment. This course offers career planning information, personal growth development, academic studies in mathematics and communications and introductory computer skills. Successful completion may lead to entry into Literacy Level 2, Adult 10 Level Three or to employment. This course is primarily (but not limited to) students who have not completed Grade 10.

LERN 1500 Tutorial 12

Credit Units: 0.0 Course Hours: 1.0

This course provides scheduled supplemental instructional support to students enrolled in Level 4 courses based on their assessed learning needs.

LERN 1609 Jump Start (RT/SIS)

Credit Units: 0.0 Course Hours: 100.0

The purpose of the Jump Start classroom is to provide adults with an opportunity to work in a classroom setting for a defined length of time to assess their learning potential and readiness for full-time academic training before being placed in an appropriate Basic Education program. It is a five-week program and is offered in the late afternoon/evening five days a week. The goal of Jump Start is to coach students for academic success. Information about learning history is gathered and processed through observation, classroom tests and work habits, self-evaluation and norm-referenced tests. Feedback is shared informally on a daily basis and formally through written evaluations and reports. Students have an opportunity to build academic skills, gain learner confidence, and identify current areas of strength and weakness.

LERN 1610 Strive (RT/SIS)

Credit Units: 0.0 Course Hours: 100.0

The purpose of the Strive classroom is to provide a learning environment for students to continue their educational preparation as they wait to enter the appropriated educational program. Instruction is individualized, and the students will be working on GED or pre-GED programs. Students are placed in the Strive classroom upon completion of the five week intake and assessment process in Jump Start only if they are not directly entering their program. This delay would be due to the difference between the end date of the Jump Start program and the start date of their program or due to a waitlist. It is a five-week program and is offered in the late afternoon/evening five days a week.

LERN 1611 Continuous Learning Level 1

Credit Units: 0.0 Course Hours: 250.0

In this course students will gain strengths, goals and learn their preferred learning styles that they can apply in variety of contexts. Students will be able to demonstrate soft skills such as courtesy, reliability, and co-operation. Students will be able to understand critical and creative thinking strategies to solve problems and make decisions. Use of technology to acquire skills and knowledge for home use, to prepare for work, and to participate fully in the community.

LERN 1612 Continuous Learning Level 2

Credit Units: 0.0 Course Hours: 125.0

In this course students will gain strengths, goals and learn their preferred learning styles that they can apply in variety of contexts. Students will be able to demonstrate soft skills such as courtesy, reliability, and co-operation. Students will be able to understand critical and creative thinking strategies to solve problems and make decisions. Use of technology to acquire skills and knowledge for home use, to prepare for work, and to participate fully in the community.

LERN 1613 Working with Others Level 1

Credit Units: 0.0 Course Hours: 250.0

In this course students will be able to describe the strengths and skills to others and provide examples. Students will learn how to make an effort to change negative habits. Students will learn to examine factors influencing their self-concept and gain confidence working with others over time. Students will develop awareness of human diversity for personal growth and social development. Students will collaborate on project and demonstrate teamwork skills while developing a theme-based portfolio.

LERN 1614 Working with Others Level 2

Credit Units: 0.0 Course Hours: 125.0

In this course students will be able to describe the strengths and skills to others and provide examples. Students will learn how to make an effort to change negative habits. Students will learn to examine factors influencing their self-concept and gain confidence working with others over time. Students will develop awareness of human diversity for personal growth and social development. Students will collaborate on project and demonstrate teamwork skills while developing a theme-based portfolio.

LERN 1803 Tutorial Level 1 - 3

Credit Units: 0.0 Course Hours: 100.0

Instructor assisted individualized study

LFTR 1800 Community Learning For Success

Credit Units: 0.0 Course Hours: 100.0

Community based program to enhance employable skills for adults, teaching Life Skills, for LTR adults.

LFTR 30 Life Transitions 30

Credit Units: 1.0 Course Hours: 100.0

Develops and refines the knowledge, skills and abilities to plan and enhance personal health, family life, community life, and career development in order to effectively manage change in the transitions encountered through life.

LIB 180 History of Libraries

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ORTN 190

Building on your introduction to Canadian library development in ORTN 190, you will examine the origins and development of North American and European and libraries from antiquity to the twenty-first century.

LIB 182 Borrower and Outreach Services

Credit Units: 3.0 Course Hours: 45.0

You will examine the public image of various libraries. You will review and evaluate circulation processes, procedures, and policies. You will examine print and online reserve collections in academic and school libraries. Theory and practice will help you learn how handle interlibrary loans as borrower and as a lender. You will also examine difficult situations and evaluate outreach services.

LIB 191 Readers' Services

Credit Units: 3.0 Course Hours: 45.0

Focusing on school and public libraries, you will examine the roles and functions of readers' advisors. You will study fiction reference sources, readers' advisory interviews, genre types and representative examples, and a variety of fiction promotion techniques.

LIB 191CE Readers' Services

Credit Units: 3.0 Course Hours: n/a

Focusing on school and public libraries, you will examine the roles and functions of readers' advisors. You will study fiction reference sources, readers' advisory interviews, genre types and representative examples, and a variety of fiction promotion techniques.

LIB 192 Introduction to Information Resources

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to reference service and general information resources: including dictionaries, encyclopedias, ready reference and indexes. You will utilize the information search process to search these print and non-print resources.

LIB 192CE Introduction to Information Resources

Credit Units: 3.0 Course Hours: n/a

You will be introduced to reference service and general information resources: including dictionaries, encyclopedias, ready reference and indexes. You will utilize the information search process to search these print and non-print resources.

LIB 193 Current Trends in Libraries

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ORTN 190

You will investigate and discuss the impact of new technologies and changes in current political, economic and social climates on the delivery of information and services within various types of library systems.

LIB 194 Introduction to Archives

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ORTN 190

You will be introduced to the field of archives, including an overview of archival theory and practice. You will discuss the aspects of archives including appraisal, arrangement, processing, and public programming.

LIB 196 Introduction to Cataloguing

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ORTN 190*

You will look at the functions of technical services in libraries. You will describe the purpose and use of library catalogues and create original and/or derived records for an automated library catalogue using Resource Description and Access (RDA) and Machine-Readable Cataloguing (MARC).

LIB 197 Searching Information Resources

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LIB 192

You will learn how to use various search systems, including databases, catalogues, and websites as well as evaluate and identify mis/dis information. You will also learn about various citation styles with a focus on the APA (American Psychological Association) style.

LIB 198 Circulation and Interlibrary Loan

Credit Units: 3.0 Course Hours: 48.0

Prerequisite(s): ORTN 190*

You will examine the public image created by staff and by the physical facility in various types of libraries. You will review and evaluate circulation systems, processes, routines and policies. You will prepare materials for circulation. You will examine print and online reserve collections in academic and school libraries. Theory and practice will help you learn how to handle interlibrary loans as a borrower and as a lender.

LIB 199 Subject Cataloguing

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): LIB 196

In your continuing study of the organization of library materials, you will assign Dewey Decimal classification numbers, Library of Congress subject headings, and Library of Congress classification numbers to library materials. You will look at issues with the classification of Indigenous materials and will practice using alternative classifications schemes.

LIB 200 Information Architecture Fundamentals

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 170, COMP 171, COMP 173

You will learn the fundamentals of information architecture (IA). Your studies will include information architecture elements such as organization and navigation. You will also learn to evaluate websites and make design recommendations based on IA principles.

LIB 282 Storytelling for all Ages

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ORTN 190

You will examine the history of storytelling and will look at its impact on literacy skills. You will prepare and present stories using a variety of methods. You will plan, prepare and present a complete story time program.

LIB 289 Digital Technologies

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ORTN 190, COMP 170

Equivalent Course(s): COAP 292

You will evaluate social networking strategies and application used by various types of libraries. You will explore current issues in information technology applications in libraries. You will explore various assistive technologies and alternate formats available to patrons.

LIB 290 Cataloguing: Serials and Multimedia Resources

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): LIB 199

Building on your knowledge of traditional descriptive and subject cataloguing, you will create bibliographic records for non-book materials such as DVDs, e-books, video games, compact discs, pictures, and print/electronic serials.

LIB 291 Information Resources: Social Sciences

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LIB 197

You will evaluate information sources in the social sciences including business, commerce and law, education, health sciences, government reference sources, sport and recreation, history and geography. You will use both print and electronic resources.

LIB 292 Acquisitions and Collections Development

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ORTN 190*

You will examine collection development policies and collection management functions. You will examine all parts of the acquisitions process. Topics you will study include selection, ordering, receiving, weeding, and mending of materials.

LIB 293 Information Resources: Humanities and Science and Technology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LIB 291

You will evaluate information sources in the humanities and in science and technology including religion, mythology and philosophy, fine and performing arts, literature, Indigenous topics and natural sciences and technology.

LINC 01 CLB 1

Credit Units: 0.0 Course Hours: 400.0

CLB 1 - Language Instruction for Newcomers to Canada

LINC 02 CLB 2

Credit Units: 0.0 Course Hours: 400.0

CLB 2 - Language Instruction for Newcomers to Canada

LINC 03 CLB 3

Credit Units: 0.0 Course Hours: 400.0

CLB 3 - Language Instruction for Newcomers to Canada

LINC 03A CLB 4

Credit Units: 0.0 Course Hours: 400.0

English Language Instruction for Newcomers to Canada Level 4.

LINC 04 CLB 5

Credit Units: 0.0 Course Hours: 400.0

English Language Instruction for Newcomers to Canada Level 5.

LINC 05 CLB 6

Credit Units: 0.0 Course Hours: 400.0

English Language Instruction for Newcomers to Canada Level 6

LINC 06 CLB 7

Credit Units: 0.0 Course Hours: 400.0

English Language Instruction for Newcomers to Canada Level 7

LINC 07 CLB 8

Credit Units: 0.0 Course Hours: 400.0

Language Instruction for Newcomers to Canada Level 8

LINC 08 CLB 9

Credit Units: 0.0 Course Hours: 400.0

Language Instruction for Newcomers to Canada Level 9

LINC 09 CLB 10

Credit Units: 0.0 Course Hours: 400.0

Language Instruction for Newcomers to Canada Level 10

LIT 182 Children's Materials

Credit Units: 3.0 Course Hours: 45.0

You will discuss the history of children's literature and become familiar with representative works of contemporary children's material in fiction and non-fiction. You will examine the criteria used to select children's material for school and public libraries.

LIT 182CE Children's Materials/Services

Credit Units: 3.0 Course Hours: n/a

You will discuss the history of children's literature and become familiar with representative works of contemporary children's material in fiction and non-fiction. You will examine the criteria used to select children's material for school and public libraries.

LIT 183 Young Adults' Materials and Services

Credit Units: 3.0 Course Hours: 45.0

You will examine the physical, social, emotional and intellectual factors that influence teen reading/viewing habits and the criteria for selecting materials for teens. You will be exposed to a variety of fiction genres, various methods of presentation, and the major trends and issues regarding services for teens in public and school libraries

LIT 183CE Young Adults' Materials and Services

Credit Units: 3.0 Course Hours: n/a

You will examine the physical, social, emotional and intellectual factors that influence teen reading/viewing habits and the criteria for selecting materials for teens. You will be exposed to a variety of fiction genres, various methods of presentation, and the major trends and issues regarding services for teens in public and school libraries

LITC 1801 Community Literacy Project

Credit Units: 0.0 Course Hours: 32.0

Customized learning opportunities for adults at the literacy level.

LL 01 Lifelong Learning Level 1

Credit Units: 0.0 Course Hours: 100.0

The Circle of Learning - develop skills to become a lifelong learner through learning about preferred learning styles, demonstrate the critical and creative thinking skills to solve problems sufficient to enter Level 2

LL 02 Lifelong Learning Level 2

Credit Units: 0.0 Course Hours: n/a

The Circle of Learning-Continues the skill development from Level 1 to sufficient enter Level Three

LWST 03 Life/Work Studies Level 3

Credit Units: 1.0 Course Hours: 100.0

The Circle of learning-Life/Work Studies Adult 10 Level Three curriculum develops further understanding of self and the nature of work and the community to meet the standards of the curriculum.

LWST 1800 St Assist LWS

Credit Units: 0.0 Course Hours: 50.0

Student Assistance LWS

Course Descriptions M

MACH 101 Drilling Machine Operations

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BESK 105*

You will study how to set up, operate and maintain various drilling machines. You will perform drilling, reaming, and tapping operations.

MACH 102 Precision Grinding Operations

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MEAS 100*

You will set up, operate, and maintain various precision grinding machines. You will select, mount and balance grinding wheels.

MACH 105 Sawing Operations

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): MEAS 100*

You will select and mount blades, calculate blade lengths and perform sawing operations.

MACH 108 Machine Shop Fundamentals

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): MEAS 161

You will safely set up, operate and maintain various tools and drilling machines. You will use a drill press to acquire skill in the hole making process. You will perform various drilling operations.

MACH 109 Introduction to G-code

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): MACH 152

You will learn about how and why to use G-code for a Computer Numerical Control (CNC) machine. You will study the basic uses of a CNC controller and how the controller uses G-code to perform different functions.

MACH 110 Computer Numerical Control Lathe

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MACH 108

Corequisite(s): MACH 109, MACH 151

You will learn about the practices and principles for programming and operating a computer numerical control (CNC) lathe. You will write and run CNC programs to create parts on a 2-axis lathe.

MACH 111 Computer Numerical Control Mill

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MACH 108

Corequisite(s): MACH 109, MACH 150

You will learn about the practices and principles for programming and operating a computer numerical control (CNC) mill. You will write and run CNC programs to create parts on a 3-axis milling machine.

MACH 122 CNC Basics

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): MATH 104*, MEAS 100*

You will study the principles and practices for programming and operating Computer Numerical Control (CNC) machine tools.

MACH 123 CNC Lathe

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MACH 122*, MACH 125*

You will create a computer numerical control (CNC) program to produce a project on the CNC lathe.

MACH 124 CNC Mill

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MACH 122*, MACH 129*

You will create a computer numerical control (CNC) program to produce a project on the CNC mill.

MACH 125 Lathe Operations 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MEAS 100*

You will study the lathe and basic lathe work holding, tool holding and operations, set up operation, maintain a lathe and perform facing, center drilling and turning operations.

MACH 126 Lathe Operations 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MACH 125*

You will study how to calculate speed and feed setting and set up a lathe to produce internal and external features. You will perform drilling and boring operations, internal and external grooving, knurling operations, parting operations, and basic tapering.

MACH 127 Lathe Operations 3

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MACH 125*

You will study how to set up a lathe to produce internal and external screw threads. You will perform internal and external thread operations and measure screw threads.

MACH 128 Lathe Operations 4

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MACH 125*

You will study how to set up lathe accessories including the steady rest, follower rest, and taper attachment. You will perform advanced tapering operations and produce mechanical features using these accessories.

MACH 129 Manual Milling Machine 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MEAS 100*

You will study how to set up, operate and maintain various milling machines and attachments. You will select shank mounted cutters and perform vertical and horizontal milling operations.

MACH 130 Manual Milling Machine 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MACH 129*

You will study how to set up, operate and maintain various milling machine accessories. You will select arbor mounted cutters and perform angular and indexing operations.

MACH 150 Milling Machine Operations

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MACH 108, MEAS 161

Equivalent Course(s): MACH 104

You will safely set up, operate and maintain various milling machines and attachments. Your studies will focus on selecting tools, holders, feed rates and speeds for various cutter and material applications.

MACH 151 Lathe Operations

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MACH 108, MEAS 161

Equivalent Course(s): MACH 103

You will learn how to safely set up and operate manual lathes. You will practice turning, hole making, boring, grooving, internal and external threading.

MACH 155 Drilling Machine Operations

Credit Units: 3.0 Course Hours: 45.0

You will learn how to set up, operate and maintain various drilling machines. The course content includes drilling, reaming, tapping and boring operations.

MACH 191 Machine Shop Technology

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MACH 120

You will gain an understanding of machine shop principles and practices. This course will serve as a foundation for further studies in manufacturing. In addition to lectures and demonstrations, you will receive extensive hands-on experience.

MACH 202 Multi Axis Machining

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CAM 200, CAM 201

Corequisite(s): CAM 202

Equivalent Course(s): MACH 154

You will learn how to set up and program a computer numerical control (CNC) multi-axis machining center. This includes 4th and 5th axis, along with a live tooling lathe. You will simulate your toolpaths on the computer and run your program on a CNC multi-axis machining center.

MAIN 104 Structural Components Theory

Credit Units: 1.0 Course Hours: 15.0

You will cover preventative maintenance programs on both highway and off road equipment. On highway power unit frame and suspension systems as well as docking and coupling systems will be covered. Roll-over protective structures (ROPS) and falling object protective structures (FOPS) will be covered as they pertain to heavy equipment.

MAIN 105 Structural Components Shop

Credit Units: 2.0 Course Hours: 30.0

You will perform preventive maintenance procedures on both off road and on highway equipment. Various hitching and docking systems will be analyzed. Highway tractor frames and suspensions will be inspected. Operator protection systems on heavy equipment will be inspected and repaired.

MAIN 106 Tracks and Undercarriage Theory

Credit Units: 2.0 Course Hours: 30.0

You will study various types of final drive systems used on construction equipment. Tracked equipment inspection and maintenance procedures will be discussed.

MAIN 107 Tracks and Undercarriage Shop

Credit Units: 2.0 Course Hours: 30.0

You will perform inspections on various final drive systems. Undercarriage components will be evaluated and repairs performed.

MAIN 108 Vehicle Inspection, Apprenticeship and Mentoring

Credit Units: 2.0 Course Hours: 30.0

You will identify and perform periodic vehicle maintenance while following recommended maintenance schedules for vehicle fluids, steering, suspension, brakes, exhaust systems including the inspection of lights, tires, wiper/washers and leaks. You will discuss the apprenticeship and mentoring programs.

MAIN 109 Building Systems Maintenance

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CODE 103*

Corequisite(s): ENGP 107

You will work with basic tools and fasteners while maintaining a safe workplace. Your studies will include discussing boiler fittings, piping and valves as well as welding terms and inspections. You will discuss plant layouts and diagrams.You will practice skills used in plant maintenance.

MANU 100 Introduction to Computer Numerical Control (CNC)

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): MTRX 101

You will be introduced to the methods of using G and M codes to create a 2-axis program of instructions that will manufacture a part of a Computer Numerical Control (CNC) mill, waterjet and plasma cutter. You will gain hands-on experience using industrial CNC equipment and modern controllers. You will set up raw stock with different machine set-ups and machine metal parts.

MANU 101 Introduction to Additive Manufacturing

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MANU 171

In this course you will be introduced to additive manufacturing (3D printing). Your lectures will consist of learning to create programs and settings in slicer software to generate G-code, while hands-on labs will show you how to calibrate and run a 3D printer.

MANU 170 Manufacturing Processes and Systems

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MACH 111, MATH 167

You will be introduced to metal and plastic manufacturing. You will compare manufacturing processes and fabrication techniques as well as mold design and casting processes.

MANU 200 Fabrication

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGM 180, ENGM 101, MACH 191, SHOP 186, WELD 387

Equivalent Course(s): MANU 288

You will develop an understanding of manufacturing systems, as well as competency in the selection and application of suitable fabrication and manufacturing processes. You will focus will be on metal bulk material (cold) deformation / removal, cutting, welding, and heat treatment. You will also examine process economics, quality assurance principles, and characterize quality problems with statistical analysis. You will reference governing industry best practices and technical standards will be referenced throughout.

MANU 201 Additive Manufacturing Engineering

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CAD 104, ENGM 101

You will explore the alternative methods of additive manufacturing. You will build three-dimensional (3-D) models and prepare the design for ease of creation with 3-D print. You will change or orient models to maximize the engineering properties of the finished print. You will examine the assembly of 3-D printed parts. You will produce consumer ready parts by post processing the 3-D prints.

MANU 202 Manufacturing 2-Plastics

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CAD 287, ENGM 101, MANU 201, MANU 290

You will learn different processes for the manufacture of plastics. You will learn the preferred method of post processing once a product is made. You will select the best process for types of products.

MANU 203 Quality Assurance

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MAT 111, MANU 290

Equivalent Course(s): MANU 293

You will study quality assurance in a manufacturing environment. You will use statistical sampling and analysis tools used to achieve and verify quality goals.

MANU 204 Advanced Manufacturing Project

Credit Units: 1.0 Course Hours: 15.0

You will integrate the knowledge from the Advanced Manufacturing course into a design project where a fabricated metal part will be produced. Your project will include part layout for laser cutting, design and fabrication of jigs, robot programming, costing and weld jobs.

MANU 205 Supply Chain Management

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MANU 280

You will study supply chains with respect to manufacturing. You will discuss procurement, e-procurement and distribution. You will predict product demand and optimize supply. You will also identify how lean systems such as cellular layouts in manufacturing environments create value.

MANU 206 Introduction to Robotics in Manufacturing

Credit Units: 3.0 Course Hours: 45.0

Your studies will consist of learning about the applications and implementation of robotics in manufacturing. You will learn about the components and programming of a robot. You will also use hands-on labs to practice manipulating a robotic arm and use problem solving skills to create robotic programs.

MANU 207 Applications with Robotics in Manufacturing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MANU 206

You will use the skills you have learnt in previous courses to solve robotic manufacturing processes. You will than use your solution to create a project using the different manufacturing skills you have acquired.

MANU 208 Operations Management

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): MANU 293

You will learn operations, quality and process management concepts. Your studies will focus on quality assurance in a manufacturing environment. This includes a study of quality control and an introduction to Six Sigma and Lean Six Sigma. You will become familiar with the statistical sampling and analysis tools used to achieve and verify quality goals.

MANU 209 Product Manufacturing Drafting

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CADD 128

You will study intermediate 3D modeling and drafting. You will apply intermediate skills to create documentation for product design and manufacturing. You will create drawings with reference to best practices and technical standards. You will use software such as Autodesk Inventor to an intermediate skill level.

MANU 280 Production Management

Credit Units: 2.0 Course Hours: 30.0

You will learn the concepts involved in growing a manufacturing-based company from a small business to a large operation. You will learn about facility analysis, ordering processes and dealing with suppliers.

MANU 288 Fabrication

Credit Units: 6.0 Course Hours: 85.0

Prerequisite(s): ENGM 180, CAD 181, MACH 191, DRFT 174, WELD 387, ENGM 191

Corequisite(s): ENGM 289

You will gain an understanding of manufacturing systems and the diversity of fabrication processes. You will study and use engineering principles to solve fabrication problems. Your studies will concentrate on metal-working industries, and you will tour several manufacturing operations to gain a broad overview of different types of fabrication. You will gain an understanding of quality assurance principles and the ISO 9000 family of standards. You will learn to use statistics to analyze quality problems.

MANU 290 Manufacturing 1 - Metals

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGM 101, ENGM 180, MACH 191, WELD 387

You will study the merits and limitations of the manufacturing and fabrication industry. You will study the use of engineering principles to solve manufacturing and fabrication problems. You will tour various manufacturing operations to gain a broad view of the different types of manufacturing.

MANU 291 Advanced Manufacturing

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): WELD 387, CAD 105, MTRX 101, MTRX 102

You will develop an understanding of flexible automation using robotics. You will discuss the technology, observe videos of several industrial applications and attend industry tours to observe robotic systems in industry. You will learn how to program an industrial robot to perform various tasks. To gain an overall understanding of robotics, you will investigate end-of-arm tooling, parts presentation and cost justification. You will receive an introduction to other related technology including machine vision systems, industrial sensors, and data acquisition and control.

MANU 293 Quality Assurance and Manufacturing Management

Credit Units: 4.0 Course Hours: 60.0

Your studies will focus on quality assurance in a manufacturing environment. The importance of quality products and services will be emphasized. You will become familiar with the statistical sampling and analysis tools used to achieve and verify quality goals.

MAPS 101 Introduction to Mapping and Compassing

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MAPS 340

Your studies will focus on mapping systems and compassing. You will interpret maps and develop skills in ground and map measurements.

MAPS 301 Cartography

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MAPS 101

You will learn to apply cartographic principles of map design and produce a professional quality map with Geographic Information Systems (GIS) software.

MAPS 302 Geographic Information Systems (GIS) and the Internet

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): GIS 102, MAPS 301*

You will develop Geographic Information Systems (GIS) applications for the internet. You will practice your skills by developing an internet web page.

MAT 102 Vector Algebra

Credit Units: 3.0 Course Hours: 45.0

You will gain an understanding of vectors through worked examples in many different scenarios. The geometric features of vectors will be discussed in both two and three dimensions. The algebraic features of vectors will be discussed in any dimension and will be presented alongside many practical geomatics applications.

MAT 103 Linear Algebra

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MAT 102, MAT 110

You will gain an understanding of linear algebra and how it applies to engineering technology. You will perform mathematical operations with matrices, study vectors and solve systems of linear equations with matrices, study eigenvalues and eigenvectors, and perform matrix factorizations.

MAT 110 Mathematics for Engineering Technologies

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): MAT 100, MAT 101, MATH 182, MATH 193

You will gain foundational knowledge of mathematical topics applicable to engineering technologies. You will study formula manipulations, factoring of algebraic expressions, geometry and trigonometry, exponents and logarithms, and functions and their graphs. This course is intended to build problem solving and critical thinking skills, and to prepare you for studies in calculus.

MAT 110CE Mathematics for Engineering Technologies

Credit Units: 4.0 Course Hours: n/a

You will gain foundational knowledge of mathematical topics applicable to engineering technologies. You will study formula manipulations, factoring of algebraic expressions, geometry and trigonometry, exponents and logarithms, and functions and their graphs. This course is intended to build problem solving and critical thinking skills, and to prepare you for studies in calculus.

MAT 111 Calculus for Engineering Technologies

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 110

Equivalent Course(s): CALC 100, CALC 181, CALC 190, MAT 246

You will gain knowledge of calculus topics applicable to engineering technologies. You will study derivatives, integrals and differential equations, and their applications. This course is intended to further build problem solving and critical thinking skills, and to demonstrate the importance of calculus in engineering practices.

MAT 111CE Calculus for Engineering Technologies

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): MAT 110

You will gain knowledge of calculus topics applicable to engineering technologies. You will study derivatives, integrals and differential equations, and their applications. This course is intended to further build problem solving and critical thinking skills, and to demonstrate the importance of calculus in engineering practices.

MAT 112 Differential Calculus for Engineering Technologies

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MAT 110

Equivalent Course(s): MAT 221, MAT 223, MAT 226

You will gain knowledge of differential calculus topics applicable to engineering technologies. You will study continuity, limits, algebraic and transcendental derivatives and their applications. This course is intended to build further problem solving and critical thinking skills, and to demonstrate the importance of calculus in engineering practices.

MAT 120 Mathematics for Construction Engineering Technologies

Credit Units: 6.0 Course Hours: 96.0

Equivalent Course(s): MAT 100, MAT 121

You will gain a basic background in trigonometry and algebra that is needed to do problem solving in applied areas and to advance to a study of calculus. You will study measurement, computations, algebraic operations, simplifications and solutions, trigonometry, graphing, exponents and logarithms. This course is intended to meet your needs in the construction stream of engineering technologies.

MAT 122 Technical Mathematics for Electrical Engineering Technologies

Credit Units: 6.0 Course Hours: 96.0

You will learn basic algebra and trigonometry from the technical perspective. Your studies will focus on electronics standards and specifications, and algebraic and transcendental mathematics that are foundational to the electrical stream of programs and introductory statistics.

MAT 124 Technical Mathematics 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): TSYH 120

You will solve technical problems using concepts of arithmetic, algebra, geometry, systems of linear and non-linear equations and radical equations.

MAT 124CE Technical Mathematics 1

Credit Units: 3.0 Course Hours: n/a

You will solve technical problems using concepts of arithmetic, algebra, geometry, systems of linear and non-linear equations and radical equations.

MAT 200 Advanced Calculus and Statistical Analysis

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 235, STAT 201

You will gain knowledge of series, statistical analysis and differential equations as they apply to engineering technology. Your studies will include series convergence, series expansions and series calculus, advanced statistical and least-squares analysis and ordinary and partial differential equations.

MAT 210 Integral Calculus for Engineering Technologies

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MAT 112

Equivalent Course(s): MAT 229, MAT 231

You will gain knowledge of integral calculus topics applicable to engineering technologies. You will study algebraic and transcendental integrals, differential equations and their applications. This course is intended to build further problem solving and critical thinking skills, and to demonstrate the importance of calculus in engineering practices.

MAT 211 Advanced Mathematics for Engineering Technologies

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MAT 210

Equivalent Course(s): MAT 237, MAT 247

You will gain knowledge of advanced mathematical topics applicable to engineering technologies. You will study series expansions, differential equations, and Laplace and Fourier transforms. This course is intended to further build problem solving and critical thinking skills, and to demonstrate the modelling of physical systems with differential equations.

MAT 223 Calculus 1 for Electrical Engineering Technology

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): MAT 122

Your studies will focus on maximum-minimum problems, related rates, areas, mean and root mean square (RMS). This technical calculus course also includes the rules for differentiation and integration of algebraic and transcendental functions along with their inverses. You will become familiar with determinations, elementary electronic problem solving and other applications of calculus.

MAT 232 Calculus 2 for Electronics Engineering Technology

Credit Units: 3.0 Course Hours: 48.0

Prerequisite(s): MAT 223

You will gain an understanding of the basic meanings and mechanics of technical calculus (including multivariate differentiation and electrical problem solving using calculus). Using the Fourier series, your studies will focus on the fundamentals of harmonic analysis and the connection between t-domain and phasor domain analysis. You will also receive an introduction to differential equations as a model of electrical and mechanical systems problem solving.

MAT 233 Statistics

Credit Units: 3.0 Course Hours: 48.0

Prerequisite(s): MAT 120

Equivalent Course(s): MAT 236, STAT 201

Your studies will focus on the concepts and computations of statistics within the technical world in this technology statistics course. Statistical thinking and communicating will be emphasized. You will use mathematical methods and notations to gain a general understanding of statistical terminology, skills and methods. The course consists of three basic and building parts - an introduction to descriptive statistics (by organization and presentation techniques using tables and graphs), probability theory (presented as the link between descriptive and inferential statistics) and inferential statistics (by way of technical and business applications based on simple random sampling, confidence intervals, hypotheses testing and regression-correlation analysis).

MAT 235 Multivariable Calculus

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 103, MAT 112

You will gain knowledge of multivariable calculus topics applicable to engineering technologies. You will study and apply partial differentiation and vector calculus in technical problems. You will integrate a variety of function types using advanced techniques, including multiple integration. This course is intended to build problem solving and critical thinking skills and to demonstrate the importance of calculus in engineering practices. .

MAT 238 Electronics Differential Equations and Transforms

Credit Units: 3.0 Course Hours: 42.0

Prerequisite(s): MAT 232

You will study the solutions to first and second order differential equations using transformation methods with applications to physical electrical circuits.

MAT 246 Analytical Geometry and Calculus

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 101 or MAT 120

Equivalent Course(s): MAT 220

You will study analytical geometry, graphical and numerical methods for understanding of the concepts and operations of technical calculus, and problem solving using derivatives. You will also receive an introduction to differential and integral calculus.

MATE 100 Materials Selection

Credit Units: 1.0 Course Hours: 15.0

You will identify mechanical properties of materials and the effect they have on machinability. You will also learn how to identify and select various materials for machining processes.

MATE 102 Masonry Materials

Credit Units: 1.0 Course Hours: 15.0

You will discuss the history and development of masonry materials. Their properties, characteristics, sizes and shapes will be discussed. You will also cover the classification and manufacture of various masonry units.

MATE 103 Materials

Credit Units: 1.0 Course Hours: 18.0

You will study the theory needed to identify different types of products used in the construction process. You will also study the types of mechanical fasteners used.

MATE 104 Introduction to Re-Bar

Credit Units: 1.0 Course Hours: 10.0

You will learn the properties of concrete, placing and testing procedures. You will learn basic wire ties, as well as rebar colour codes and sizes.

MATE 126 Building Materials

Credit Units: 1.0 Course Hours: 15.0

You will learn to identify different types of wood and engineered products used in the construction industry. You will also study various types of fasteners, anchors, and metals.

MATE 170 Manufacturing Materials

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MACH 108

Equivalent Course(s): ENGM 180

You will learn how to select appropriate materials for various manufacturing processes. You will identify ferrous and non-ferrous materials as well as ceramics, glass and polymers. You will perform heat treating processes and metal testing using various shop testing methods.

MATE 183 Materials Handling

Credit Units: 1.0 Course Hours: 20.0

You will become familiar with power and manual lifting equipment. You will also learn about load storage and restraints.

MATE 186 Materials Handling and Equipment

Credit Units: 1.0 Course Hours: 16.0

Your studies meet Occupational Health and Safety (OH&S) requirements for safety training required to operate mobile powered equipment. You will learn theory and practical operations on a variety of mobile powered equipment.

MATE 190 Materials Handling and Equipment

Credit Units: 3.0 Course Hours: 45.0

You will study typical practices and procedures for material movement in a warehouse or parts distribution facility. You will focus on design, space usage, equipment requirements, and the theory and practical operations on a variety of mobile powered equipment.

MATE 190CE Materials Handling and Equipment

Credit Units: 3.0 Course Hours: n/a

You will study typical practices and procedures for material movement in a warehouse or parts distribution facility. You will focus on design, space usage, equipment requirements, and the theory and practical operations on a variety of mobile powered equipment.

MATH 01 Mathematics Level 1

Credit Units: 0.0 Course Hours: 100.0

The Circle of Learning - develop generic numeracy skills in whole numbers sufficient to enter Level 2

MATH 02 Mathematics Level 2

Credit Units: 0.0 Course Hours: 100.0

The Circle of Learning-Continues the numeracy skill development in fractions, decimals, from Level 1 sufficient to enter Level Three

MATH 03 Mathematics Level 3

Credit Units: 1.0 Course Hours: 100.0

The Circle of Learning-Mathematics Adult 10 Level Three curriculum develops numeracy skills to meet the standards of the curriculum guide

MATH 1001 Math 10 Review

Credit Units: 0.0 Course Hours: 100.0

Math 10 Review offers students who have completed Grade 10 an opportunity to refresh mathematic skills before proceeding to further academic study.

MATH 104 Applied Mathematics

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MATH 182, MATH 193

You will solve practical problems using arithmetic, linear equations, geometry and right triangle trigonometry. You will manipulate and use some formulas related to your trade.

MATH 106 Plumbing/Pipefitting Mathematics

Credit Units: 2.0 Course Hours: 24.0

You will study math concepts commonly used in the Plumbing and Pipefitting trades. After reviewing basic mathematics, you will solve basic equations and ratio and proportion problems. You will calculate perimeter, area and volume of common shapes, and perform mass and capacity calculations in Imperial and SI measurement systems. Trade applications include using steel measuring tapes and calculating 45° offsets and mechanical advantage.

MATH 107 Trade Math

Credit Units: 2.0 Course Hours: 30.0

The course reviews basic mathematical concepts and introduces mathematical concepts that support applications in the Industrial Mechanics trade.

MATH 112 Trade Math

Credit Units: 1.0 Course Hours: 15.0

You will solve mathematics problems within the construction industry. You will convert units of measurement using the Imperial and Metric systems. You will then apply your knowledge to solve geometric problems found in the construction industry involving perimeters, areas, and volume.

MATH 114 Mathematics

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MAT 120, MAT 122, MATH 384

You will develop the required background in mathematics that is necessary to do basic calculations in applied areas. The course content includes proportions, percentages, geometry, trigonometry, probability, statistics, and financial mathematics. Problem solving will be emphasized throughout the course.

MATH 115 Calculus for Architectural Technologies

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): CALC 281, MAT 111, MAT 220, MAT 222, MAT 246

You will gain knowledge of calculus topics applicable to architectural technology. You will study limits, differentiation and its applications, graphing with derivatives, and integration and its applications. This course is intended to further build problem solving and critical thinking skills, and to demonstrate the importance of calculus in engineering practice.

MATH 116 Mathematics

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MAT 120, MAT 122

You will review the fundamentals of mathematics, algebra and trigonometry. Topics include fractions, decimals, percents, equations, ratio and proportion, metric, areas, volumes and basic trigonometry.

MATH 117 Industrial Mathematics

Credit Units: 2.0 Course Hours: 30.0

You will study basic math operations involving whole numbers, common and decimal fractions, percents and average, as used in the trade. Also, you will perform imperial and metric conversions, calculate perimeter, area and volume of objects, and solve some basic problems.

MATH 119 Mathematics

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MATH 187

You will develop the background knowledge in basic mathematics, while focusing on applications within the mechanical trades.

MATH 127 Trade Math

Credit Units: 2.0 Course Hours: 30.0

You will learn how to use whole numbers, common and decimal fractions, percentages, ratio and proportions, angular measurements, length, area and volume measurements in the Imperial and metric system. You will also convert Imperial and metric measurements.

MATH 130 Industrial Mathematics

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MATH 165, MEAS 182

You will review fractions, decimals and percentages. You will study basic algebra, ratio and proportion, linear measure, areas, volumes, capacities, interrelationships used in the metric and Imperial systems, wage and time calculation, and financial calculations.

MATH 136 Trade Mathematics

Credit Units: 3.0 Course Hours: 45.0

You will study basic mathematical concepts including whole numbers, decimals, fractions, percent, ratio proportion, squares and roots. You will also study the International System of Units in calculations such as finding length, capacity, mass, area and volume.

MATH 138 Applied Mathematics

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MAT 101, MAT 120

You will develop the required background in algebra, geometry and trigonometry that is necessary to perform basic calculations in applied areas to advance to a study of calculus. Your studies will include algebraic operations, solution of equations, functions, graphing plane geometry, trigonometry, vectors as well as problem-solving strategies.

MATH 139 Business Mathematics

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): FIN 120

You will solve business problems involving ratios, proportions and percentages. You will use the concept of the time value of money and how it is applied to both simple and compound interest. You will calculate ordinary annuities and bonds.

MATH 139CE Business Mathematics

Credit Units: 4.0 Course Hours: n/a

You will solve business problems involving ratios, proportions and percentages. You will use the concept of the time value of money and how it is applied to both simple and compound interest. You will calculate ordinary annuities and bonds.

MATH 1403 Math A30 Bridge Part One

Credit Units: 0.0 Course Hours: 30.0

This 30 hour course targets students who have completed Math 10 and could benefit from skill development and math enrichment. The goal would be to assist the transition to Math A30.

MATH 1404 Math A30 Bridge Part Two

Credit Units: 0.0 Course Hours: 30.0

Prerequisite(s): MATH 1403

This 30-hour course targets students who could benefit from skill development and math enrichment. The goal would be to assist the transition to Math A30.

MATH 1500 Math Bridging

Credit Units: 0.0 Course Hours: 100.0

Designed to provide the necessary learning outcomes to prepare students for Math Foundations and Pre-Calculus Math courses.

MATH 1501 General Math Bridging

Credit Units: 0.0 Course Hours: 100.0

Provides students with the pre-requisite knowledge they need in preparation for the General Math 30 course.

MATH 1532 Workplace and Apprenticeship Math Bridge

Credit Units: 0.0 Course Hours: 50.0

Designed to provide the necessary learning outcomes to prepare students for the Workplace and Apprenticeship Math 30 class.

MATH 1537 Foundations Math Bridge

Credit Units: 0.0 Course Hours: 50.0

Designed to provide the necessary learning outcomes to prepare students for the Foundations Math 30 class.

MATH 1539 Pre-calculus Math Bridge

Credit Units: 0.0 Course Hours: 50.0

Designed to provide the necessary learning outcomes to prepare students for the Pre-calculus 30 class.

MATH 158 Mathematics

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MAT 122, MATH 384

You will study mathematics that is directly related to applications in the telecommunications networking field. You will perform operations with signed numbers and solve and manipulate equations. You will use powers of ten, engineering notation, and computer number systems. You will learn the fundamentals of Boolean algebra, basic trigonometry with vectors and phasors, the sine wave, and exponents and logarithms.

MATH 159 Trade Mathematics

Credit Units: 2.0 Course Hours: 30.0

You will learn whole numbers, common and decimal fractions, percentages, ratio and proportion, angular measurements, and length, area and volume measurements in the Imperial and Metric system. You will also learn to perform calculations as applied to the trade.

MATH 165 Mathematics for Printers

Credit Units: 2.0 Course Hours: 30.0

You will acquire the basic mathematics skills required for entry level occupations in the graphics/print industry. Your studies will include basic mathematics, problem solving, and measurement systems.

MATH 167 Applied Mathematics 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MATH 104

Building on the arithmetic and algebraic skills you developed in Math 104 – Applied Mathematics 1 – you will apply trigonometry to vector problems, work with functions, and solve various types of equations.

MATH 168 Introductory Math for Health Sciences

Credit Units: 1.0 Course Hours: 15.0

You will review basic mathematical concepts that are needed in a clinical setting to solve drug dosage problems. You will use dimensional analysis as a method of converting units and of calculating dosages. You will learn when to use proportion versus dimensional analysis in clinical problems.

MATH 169 Trade Mathematics

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MATH 125, MATH 187

You will learn mathematical concepts commonly used in your trade. After reviewing basic arithmetic and basic equations, you will solve various algebra problems as applied to your trade. You will perform Imperial and Metric conversions, and calculate the perimeter, area and volume of many common shapes, as well as use Pythagorean theorem.

MATH 169CE Trade Mathematics

Credit Units: 2.0 Course Hours: n/a

You will learn mathematical concepts commonly used in your trade. After reviewing basic arithmetic and basic equations, you will solve various algebra problems as applied to your trade. You will perform Imperial and Metric conversions, and calculate the perimeter, area and volume of many common shapes, as well as use Pythagorean theorem.

MATH 178 Mathematics 1

Credit Units: 2.0 Course Hours: 30.0

You will study the fundamental concepts of algebra. You will examine linear equations, variation, properties of exponents and logarithms, and graphing of functions. You will apply algebra to biological and chemical applications.

MATH 1808 Bridging WNCP Math

Credit Units: 0.0 Course Hours: 100.0

Bridging Western & Northern Canadian Protocal Math

MATH 1809 St Assist Math 1

Credit Units: 0.0 Course Hours: 1.0

Student Assist Math 1

MATH 181 Industrial Mechanics Certificate Trade Mathematics

Credit Units: 4.0 Course Hours: 60.0

You will review basic mathematics and the Imperial and Metric systems of measurement. You will be introduced to mathematical concepts that support applications in the industrial mechanics trade and your studies will focus on these various applications.

MATH 1810 St Assist Math 2

Credit Units: 0.0 Course Hours: 1.0

Student Assist Math 2

MATH 182 Mathematics

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): MAT 122, MAT 226

You will review trigonometry, algebraic, logarithmic, exponential and trigonometric functions and their graphs, and trigonometric identities. You will also receive an introduction to differential calculus involving algebraic functions.

MATH 1821 St Assist Math 2A AD10

Credit Units: 0.0 Course Hours: 50.0

Student Assistance Math Level 2A - Adult 10

MATH 1822 St Assist Math 2B AD10

Credit Units: 0.0 Course Hours: 50.0

Student Assistance for Math Level 2B - Adult 10

MATH 1830 St Assist Math 3

Credit Units: 0.0 Course Hours: 50.0

Student Assistance Math Level 3

MATH 187 Mathematics

Credit Units: 2.0 Course Hours: 32.0

Equivalent Course(s): MATH 119

You will develop the background knowledge in basic mathematics, while focusing on applications within the mechanical trades.

MATH 189 Mathematics 1

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): MATH 280

You will review the fundamental concepts of algebra and trigonometry. Your studies will focus on equations of various types, systems of linear equations, variation, properties of exponents and logarithms, logarithmic and exponential equations, graphing and trigonometry. Whenever possible, problem solving will be directly related to chemistry applications. You will also receive an introduction to calculus.

MATH 191 Mathematics

Credit Units: 0.0 Course Hours: 16.0

Equivalent Course(s): MATH 119, MATH 125, MATH 182, MATH 187

Your studies will focus on the basic mathematics needed for shop calculations. The course content includes fractions, decimals, percent, equations, ratios, proportions, powers and roots.

MATH 192 Laboratory Mathematics

Credit Units: 2.0 Course Hours: 30.0

You will develop the mathematical skills needed to work in a research or diagnostic laboratory. Your studies will focus on the various types of solution calculations and different units of measurement.

MATH 193 Technical Mathematics and Differential Calculus

Credit Units: 5.0 Course Hours: 80.0

Equivalent Course(s): MATH 182

Your studies will review trigonometry, trigonometric identities and algebraic, logarithmic, exponential and trigonometric functions and their graphs. You will also receive an introduction to differential calculus of algebraic functions.

MATH 199 Mathematics

Credit Units: 4.0 Course Hours: 60.0

You will review basic mathematics and the metric system of measurement. The course content includes percent, ratio, proportion, area, volume and equations. You will then focus on the applications of mathematics in the trade that include electrical, pressure, pneumatics and elementary thermodynamics calculations.

MATH 20 Mathematics 20 (Core)

Credit Units: 1.0 Course Hours: 75.0

PREREQUISITE: Math 10.

MATH 204 Business Mathematics

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MATH 139

You will build algebraic skills applicable to studies in business. You will apply ratios, proportions and percentages to business problems involving discounts and markups. You will apply rates and variations to currency exchange rate calculations. The growths of simple and compound interest will be examined and compared. The concept of time value of money will be analyzed and applied in several scenarios. You will solve business problems involving ordinary annuities and amortizations.

MATH 21 Math 21

Credit Units: 1.0 Course Hours: 100.0

Math 20 curriculum modified by including a minimum of 50% of regular curriculum objectives and up to 50% local objectives.

MATH 22 Workplace & Apprenticeship Math 20

Credit Units: 1.0 Course Hours: 100.0

Workplace & Apprenticeship Math 20

MATH 22CE Workplace & Apprenticeship Math 20

Credit Units: 1.0 Course Hours: n/a

Workplace & Apprenticeship Math 20

MATH 23 Math: Foundations 20

Credit Units: 1.0 Course Hours: 100.0

Foundations 20 is a survey course that addresses different areas of mathematics. The outcomes in the Foundations 20 course are based upon the students' prior learning and continue to develop their number sense, spatial sense, logical thinking, and understanding of mathematics as a human endeavor. These learning experiences prepare students to be confident, flexible, and capable with their mathematical knowledge in new contexts. The outcomes in this course are the prerequisite outcomes for the Foundations of Mathematics 30 course. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

MATH 23CE Math: Foundations 20

Credit Units: 1.0 Course Hours: n/a

Foundations 20 is a survey course that addresses different areas of mathematics. The outcomes in the Foundations 20 course are based upon the students' prior learning and continue to develop their number sense, spatial sense, logical thinking, and understanding of mathematics as a human endeavor. These learning experiences prepare students to be confident, flexible, and capable with their mathematical knowledge in new contexts. The outcomes in this course are the prerequisite outcomes for the Foundations of Mathematics 30 course. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

MATH 278 Mathematics 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MATH 178

You will review the fundamental concepts of trigonometry and be introduced to elementary topics in calculus, including limits and derivatives. Biological and chemical applications will be used whenever possible.

MATH 280 Mathematics for Veterinary Technology

Credit Units: 3.0 Course Hours: 45.0

You will review basic mathematical concepts such as conversions, ratios, proportions, fractions, decimals, percentages and equations as applied to veterinary concepts. You will also receive an introduction to statistics and graphing. Your studies will focus on units of measurement, drug dosage calculations, fluid rate calculations, and dilution and solution calculations.

MATH 281 Applied Mathematics

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): MAT 101, MATH 121

You will learn the basic mathematical skills needed to function effectively in the hospitality industry. You will apply these concepts to food quantity and cost calculations, and recipe yield conversions.

MATH 281CE Applied Mathematics

Credit Units: 1.0 Course Hours: n/a

You will learn the basic mathematical skills needed to function effectively in the hospitality industry. You will apply these concepts to food quantity and cost calculations, and recipe yield conversions.

MATH 282 Mathematics of Computation

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COSC 190

You will investigate the characteristics of discrete and continuous systems from a programming perspective and compare and contrast programming techniques required for dealing with discrete system data (Boolean values, integer numbers, and character data) with those for continuous system data (floating point numbers). You will also investigate the nature and propagation of error as a result of programming. You will explore number systems and programming techniques for solving simultaneous equations, integrating functions, finding roots, compressing data and encrypting data.

MATH 289 Mathematics 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MATH 189

You will focus on differential and integral calculus. You will learn differentiation of algebraic and transcendental functions, and applications of the derivative. You will study numerous methods of integration and selected applications of integration. Your studies will also include an introduction to partial derivatives.

MATH 29 Math: Pre-calculus 20

Credit Units: 1.0 Course Hours: 100.0

The outcomes in the Pre-calculus 20 course are based upon the students' prior learning and continue to develop their number sense, spatial sense, logical thinking, and understanding of mathematics as a human endeavour. These learning experiences prepare students to be confident, flexible, and capable with their mathematical knowledge in new contexts. The outcomes in this course are the prerequisite outcomes for Pre-calculus 30. It is important to note that Pre-Calculus 20 and 30 ARE NOT Calculus courses. They contain a variety of different branches of math (predominantly algebra and trigonometry) which are required to take many post-secondary math classes (including Calculus). All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

MATH 29CE Math: Pre-calculus 20

Credit Units: 1.0 Course Hours: n/a

The outcomes in the Pre-calculus 20 course are based upon the students' prior learning and continue to develop their number sense, spatial sense, logical thinking, and understanding of mathematics as a human endeavour. These learning experiences prepare students to be confident, flexible, and capable with their mathematical knowledge in new contexts. The outcomes in this course are the prerequisite outcomes for Pre-calculus 30. It is important to note that Pre-Calculus 20 and 30 ARE NOT Calculus courses. They contain a variety of different branches of math (predominantly algebra and trigonometry) which are required to take many post-secondary math classes (including Calculus). All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

MATH 298 Applied Mathematics

Credit Units: 5.0 Course Hours: 80.0

You will be introduced to mathematical concepts for use on the job. You will learn how to do simple and complex formulas, as well as solve problems that require a variety of math skills. Emphasis is placed on applying mathematical concepts to real-world problems.

MATH 299 Intermediate Algebra and Basic Trigonometry

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MAT 120, MAT 122, MATH 182, TSYH 120

You will use the principles of algebra, geometry, and trigonometry to solve basic problems in the power engineering field. You will apply these principles to practical problems involving percentages, ratio and proportion, mixtures, speeds, rates, practical problems involving simultaneous equations, and vectors.

MATH 301 Forestry Math Fundamentals

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MATH 350

You will learn and practice the math fundamentals required for analyzing and solving forestry-related questions and problems.

MATH 32 Workplace and Apprenticeship Math 30

Credit Units: 1.0 Course Hours: 100.0

The outcomes in the WKPL 30 course are based upon students' prior learning and continue to develop their number sense, spatial sense, logical thinking, and understanding of mathematics as a human endeavor. These learning experiences prepare students to be confident, flexible, and capable with their mathematical knowledge in new contexts. WKPL 30 contains a variety of different branches of math (linear relations, statistics, probability, and geometry) which are required to take many post-secondary programs. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

MATH 32CE Workplace and Apprenticeship Math 30

Credit Units: 1.0 Course Hours: n/a

The outcomes in the WKPL 30 course are based upon students' prior learning and continue to develop their number sense, spatial sense, logical thinking, and understanding of mathematics as a human endeavor. These learning experiences prepare students to be confident, flexible, and capable with their mathematical knowledge in new contexts. WKPL 30 contains a variety of different branches of math (linear relations, statistics, probability, and geometry) which are required to take many post-secondary programs. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

MATH 37 Math: Foundations 30

Credit Units: 1.0 Course Hours: 100.0

The outcomes in the Foundations 30 course are based upon students' prior learning and continue to develop their number sense, spatial sense, logical thinking, and understanding of mathematics as a human endeavour. These learning experiences prepare students to be confident, flexible, and capable with their mathematical knowledge in new contexts. Foundations 30 contains a variety of different areas of math (finance, statistics, algebra, and trigonometry) which are required to take many post-secondary math classes. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

MATH 37CE Math: Foundations 30

Credit Units: 1.0 Course Hours: n/a

The outcomes in the Foundations 30 course are based upon students' prior learning and continue to develop their number sense, spatial sense, logical thinking, and understanding of mathematics as a human endeavour. These learning experiences prepare students to be confident, flexible, and capable with their mathematical knowledge in new contexts. Foundations 30 contains a variety of different areas of math (finance, statistics, algebra, and trigonometry) which are required to take many post-secondary math classes. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

MATH 384 Technical Mathematics for Electronics Technologists

Credit Units: 4.0 Course Hours: 60.0

You will study the operations and procedures dealing with algebraic fractions and equations, quadratic equations, simultaneous equations, determinants, exponents, radicals, logarithmic and exponential equations, trigonometry, vectors, phasors, number systems and introductory Boolean algebra.

MATH 389 Mathematics

Credit Units: 3.0 Course Hours: 45.0

You will study the mathematics, algebra and geometry needed to solve various aviation related mathematical and physics problems.

MATH 39 Math: Pre-calculus 30

Credit Units: 1.0 Course Hours: 100.0

The outcomes in the Pre-calculus 30 course are based upon students' prior learning and continue to develop their number sense, spatial sense, logical thinking, and understanding of mathematics as a human endeavour. These learning experiences prepare students to be confident, flexible, and capable with their mathematical knowledge in new contexts. It is important to note that Pre-Calculus 20 and 30 ARE NOT Calculus courses. They contain a variety of different branches of math (predominantly algebra and trigonometry) which are required to take many post-secondary math classes (including Calculus). All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

MATH 390 Technical Mathematics for Engineering Calculations

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): MATH 299

Equivalent Course(s): CALC 181, MAT 246, MATH 182

You will use trigonometry to solve problems involving oblique triangles and radian measures. You will solve problems involving exponential and logarithmic equations. You will apply these concepts to solve introductory problems in the fields of applied mechanics and thermodynamics.

MATH 39CE Math: Pre-calculus 30

Credit Units: 1.0 Course Hours: n/a

The outcomes in the Pre-calculus 30 course are based upon students' prior learning and continue to develop their number sense, spatial sense, logical thinking, and understanding of mathematics as a human endeavour. These learning experiences prepare students to be confident, flexible, and capable with their mathematical knowledge in new contexts. It is important to note that Pre-Calculus 20 and 30 ARE NOT Calculus courses. They contain a variety of different branches of math (predominantly algebra and trigonometry) which are required to take many post-secondary math classes (including Calculus). All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

MATH A30 Mathematics A 30

Credit Units: 1.0 Course Hours: 100.0

Equivalent Course(s): MATH 30A

Course includes permutations/combinations, data analysis, polynomials/rational expressions, exponents/radicals, relations/functions, systems of linear equations, angles/polygons.

MATH B30 Mathematics B 30

Credit Units: 1.0 Course Hours: 100.0

Equivalent Course(s): MATH 30B

Topics include probability, data analysis, matrices, complex numbers, quadratic equations, polynomial functions, exponential/logarithmic functions.

MATH C30 Mathematics C 30

Credit Units: 1.0 Course Hours: 100.0

Equivalent Course(s): MATH 30C

Topics include mathematical proof, conic sections, circular functions, applications of trigonometry, trigonometric identities, trigonometric functions.

MCYL 107 Fuel Systems

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MCYL 200

You will study the theory of operation and learn how to service motorcycle and ATV carburetion and fuel systems.

MCYL 108 Starting, Charging and Ignition Systems

Credit Units: 4.0 Course Hours: 54.0

You will learn the theory of operation and the servicing procedures of motorcycle /ATV starting and charging systems. The course content includes servicing various electrical accessories. You will also learn the theory of operation of the ignition systems used on motorcycles and ATV's, such as transistorized, and CDI ignitions. You will learn how to troubleshoot and adjust these systems.

MCYL 109 Maintenance

Credit Units: 4.0 Course Hours: 54.0

Equivalent Course(s): MCYL 203

You will cover the common service procedures required by a motorcycle/ATV technician. You will learn to perform maintenance tasks, including lubrication servicing, valve adjustment, clutch service, cooling system servicing and tune-up.

MCYL 110 Motorcycle Two-Stroke Engines

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MCYL 204

You will focus on the practical skills required to service two-stroke engines. These skills include piston, crankshaft and transmission servicing.

MCYL 111 Motorcycle Four-Stroke Engines

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): MCYL 205

You will learn how to service and repair four-stroke motorcycle/ATV engines. Practical, hands-on skills will be emphasized. The course content includes a research project into the future trends in the motorcycle/ATV industry.

MCYL 112 ATV Clutches and Drives

Credit Units: 2.0 Course Hours: 24.0

Equivalent Course(s): MCYL 206

You will explore the clutches and drive systems unique to ATV's. You will study the theory of operation of belt drives, differentials, final drives and CV joints. You will also learn how to service clutches and drives.

MCYL 113 Brakes, Steering and Drives

Credit Units: 3.0 Course Hours: 48.0

Equivalent Course(s): MCYL 207

You will learn how to repair and service motorcycle/ATV wheels, tires, brakes, front suspension and final drives. The course content includes the theory and procedures you need to troubleshoot handling problems.

MEAS 100 Precision Measurement

Credit Units: 3.0 Course Hours: 45.0

You will study how to select and maintain measuring tools. You will perform semi-precision, precision, and comparison measurements procedures.

MEAS 104 Precision Measuring Tools

Credit Units: 1.0 Course Hours: 12.0

You will learn how to use precision measuring tools in the metric and Imperial systems.

MEAS 106 Analytical Measurements

Credit Units: 3.0 Course Hours: 39.0

Equivalent Course(s): ENVR 120, MEAS 108, MEAS 109

You will learn to work safely in a laboratory and field setting. You will learn to work effectively with measurement numbers related to the collection and analysis of water, air and soil samples. Emphasis will be placed on the importance of documenting practices and procedures in support of Quality Assurance/ Quality Control (QA/QC) and due diligence.

MEAS 108 Analytical Measurements

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MEAS 106

You will learn to work safely in a laboratory and field setting. You will learn to work effectively with measurement numbers related to the collection and analysis of water, air and soil samples. Your studies will emphasize the importance of documenting practices and procedures in support of Quality Assurance/Quality Control (QA/QC) and due diligence.

MEAS 109 Environmental Measurements

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): MEAS 106

You will examine protocols for environmental sampling where you will learn about the collection, preservation and transportation of samples. You will collect field measurements and be introduced to statistical analysis as a means of managing measurement error. Emphasis will be placed on working safely. As such you will follow safe practices and will be required to assist in identifying risk and measures to reduce risk. An understanding of hazardous materials will be developed through working with content provided in Safety Data Sheets.

MEAS 110 Analytical Measurements

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MEAS 106

You will demonstrate safety in a laboratory and field setting following Canadian industry standards. You will apply statistical analysis to collected data and measured numbers. You will demonstrate fundamental use of Microsoft Excel. You will practice industry standard documenting practices and procedures in support of Quality Assurance/Quality Control (QA/QC) and due diligence.

MEAS 111 Instrument Measurement 1

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): MEAS 112

You will study the principles and measurement of pressure, level, temperature, and flow. The theory presented will be reinforced by practical applications in Instrument Measurement Lab.

MEAS 112 Instrument Measurement 1 Lab

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): MEAS 111

You will safely specify, calibrate, operate, and measure using both pneumatic and conventional instruments. You will practice troubleshooting skills while calibrating pneumatic and conventional instruments.

MEAS 161 Precision Measurement and Tooling

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): MACH 108

Equivalent Course(s): MEAS 100

You will be introduced to fundamental measuring systems and tools. You will practice precision measurements using a variety of measurement tools. You will operate a Coordinate Measuring Machine (CMM).

MEAS 200 Instrument Measurement 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CIRC 107, CIRC 108, INST 107, INST 221

Corequisite(s): CNTR 207, CNTR 208

Equivalent Course(s): INST 228

You will examine the operational theories of various microprocessor-based instruments and their applications in industry. Your studies will include practical lab exercises where you will configure and calibrate highway addressable remote transducer (HART) microprocessor-based instruments used for the measurement of flow, level, temperature, and pressure.

MEAS 201 Instrument Measurement: Analyzers 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 225, CNTR 207, CNTR 208, MEAS 200

Equivalent Course(s): INST 230

You will study the implementation and purpose of analytical measurement systems. Given specifications, you will operate and calibrate pH, oxidation-reduction potential, conductivity, humidity, mass spectrometers and density analyzers.

MEAS 202 Instrument Measurement: Analyzers 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MEAS 201

Equivalent Course(s): INST 234

You will identify sampling system components. You will perform calibration of a gas chromatograph oxygen analyzer, combustibles, and toxic gas detectors and a turbidimeter. Theory and practical aspects of vibration will be examined.

MEAT 100 Meat, Seafood and Poultry Processing (Theory)

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on the structure, composition and handling of meat, poultry and seafood. You will learn the Canadian systems for classifying, inspecting and grading meat, poultry and seafood. You will also learn how to identify cuts of beef, veal, lamb and pork.

MEAT 101 Meat, Seafood and Poultry Processing (Practical)

Credit Units: 4.0 Course Hours: 60.0

You will process beef, pork, and poultry. You will handle and store fresh and frozen meats and poultry. You will also observe the processing of seafood.

MEAT 102 Meat, Seafood and Poultry Cooking (Theory)

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to the general principles of cooking and handling meats, seafood and poultry. You will learn a variety of preparation and cooking techniques for beef, pork, poultry, lamb and veal.

MEAT 103 Meat, Seafood and Poultry Cooking (Practical)

Credit Units: 4.0 Course Hours: 60.0

You will cook meat, seafood and poultry using moist heat methods, dry heat methods and dry heat methods with fat. You will cook a variety of meats and prepare poultry dressing. You will also gain experience in holding and storing cooked meat, seafood and poultry.

MEAT 107 Ovine Carcass

Credit Units: 2.0 Course Hours: 30.0

In this course you will learn the processing of the smaller Ovine Carcasses. You will process the primal, sub-primal and retail cuts as well as study about the harvesting, grading and cultural significant practices of lamb and goat.

MEAT 108 Bovine Carcass

Credit Units: 4.0 Course Hours: 60.0

You will gain an understanding of the procedures for the harvesting, production and processing of bovine carcasses. You will identify the primal, sub-primal, retail and offal cuts obtained from the carcass and perform the breakdown of the carcass.

MEAT 109 Charcuterie 1

Credit Units: 4.0 Course Hours: 60.0

Understanding Charcuterie explores the history and fundamentals of fresh, cured and dried meat products. You will learn about the major types of sausages, restricted ingredients, spices and calculations used in production.

MEAT 110 Charcuterie 2

Credit Units: 4.0 Course Hours: 60.0

Charcuterie 2 explores the Canadian regulations and nomenclature requirements for charcuterie products. You will practice meat block and brine calculations as you produce a variety of fresh, cured and smoked charcuterie products.

MEAT 111 Charcuterie 3

Credit Units: 4.0 Course Hours: 60.0

This course explores the process of cold cut type charcuterie products. You will produce fresh and cured sandwich meats utilizing emulsified, ground and whole muscle meats. You will utilize skills from Charcuterie 1 and Charcuterie 2 in the production of brines, cures and smokehouse management.

MEAT 112 Pork Retail Cuts

Credit Units: 4.0 Course Hours: 60.0

In this course you will gain an understanding of the procedures for processing retail pork products from the common block ready cuts. You will identify block ready products, produce and retail them following proper marketing procedures.

MEAT 113 Fish, Seafood and Alternative Proteins

Credit Units: 4.0 Course Hours: 60.0

In this course you will study common seafood and fish species, processing, sanitation and market forms. You will also learn about the various meat analogues that are available to market.

MEAT 195 Meat Science

Credit Units: 3.0 Course Hours: 45.0

You will gain an understanding of the composition, nutritional value and development of domestic animals for processing, preparation and distribution. You will study the differences between tough and tender muscles as well as the effects of different cooking methods have on them.

MEAT 281 Porcine Carcass

Credit Units: 4.0 Course Hours: 60.0

In this course you will gain an understanding of the procedures for the harvesting, production and processing of the pork carcass. You will identify the primal, sub-primal and offal cuts obtained from the pork carcass and perform the breakdown of the carcass.

MEAT 282 Beef Hind Retail Cuts

Credit Units: 4.0 Course Hours: 60.0

In this course you will gain an understanding of the procedures for processing retail beef hind products from the common block ready cuts. You will identify block ready products, produce and retail them following proper marketing procedures.

MEAT 283 Beef Front Retail Cuts

Credit Units: 4.0 Course Hours: 60.0

You will gain an understanding of the procedures for processing retail beef front products from the common block ready cuts. You will identify block ready products, produce and retail them following proper marketing procedures.

MEAT 285 Poultry Retail Cuts

Credit Units: 4.0 Course Hours: 60.0

In this course you will gain an understanding of the procedures for processing retail poultry. You will identify common fresh and frozen poultry products, process and retail them following proper marketing procedures.

MEAT 288 Value Added Retail Products

Credit Units: 4.0 Course Hours: 60.0

In this course you will gain an understanding of the procedures, processes and products used to produce many common value-added retail products. You will apply this knowledge to beef, pork and poultry, producing a variety of value-added products for the retail counter.

MECA 201 Fluid Mechanics Applications

Credit Units: 4.0 Course Hours: 64.0

Prerequisite(s): MAT 226, MECA 200

Building on your skills gained in applied mechanics, you will study the steady flow energy equation. Your studies will include open channel design, pipe sizing considerations, pump selection as well as open and closed loop piping system. You will analyze pumping requirements for series and parallel piping systems using computer software.

MECH 100 Mechanical Engineering Concepts and Applications

Credit Units: 2.0 Course Hours: 30.0

You will examine a variety of mechanical, electrical, fluid, thermal, etc. components and devices (simple systems) and associated methods to communicate, characterize, and/or measure system aspects. Through a “hands-on” experiential learning process, you will identify and develop practical competencies representative of a practicing mechanical engineering technologist.

MECH 160 Applied Mechanics: Statics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MATH 167*

You will use basic algebra, plane geometry and trigonometry to study the effect of forces acting on bodies in equilibrium. You will solve 2-dimensional and 3-dimensonal problems in applied mechanics.

MECH 161 Applied Mechanics: Dynamics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MECH 160

Your studies will focus on kinematics and kinetics. In kinematics, you will examine the geometry of rectilinear, circular and general plane motions. In kinetics, you will solve for the forces associated with motion using dynamic equilibrium, work, energy and power and impulse-momentum. You will learn how to solve applied problems using Newton’s three laws of motion. You will also study linkage mechanisms and their motion.

MECH 200 Industrial Building Mechanical Drafting 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DRFT 205, CADD 126

You will be introduced to industrial building mechanical systems. You will produce 2D drawings and 3D parametric models. You will prepare basic building mechanical system drawings. You will create drawings with reference to best practices and technical standards. You will use software such as Autodesk Revit to an intermediate skill level.

MECH 201 Industrial Building Mechanical Drafting 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MECH 200

You will create advanced 3D parametric model mechanical systems to prepare 2D drawings. You will study multidisciplinary mechanical systems solutions and create drawings with reference to best practices and technical standards. You will use software such as Autodesk Revit to an intermediate skill level.

MECH 202 Industrial Building Mechanical Project

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MECH 201

Corequisite(s): BIM 300

You will complete an industrial building mechanical drafting project. You will create 3Dmodels to prepare 2D mechanical drawings. You will prepare and maintain a project management plan and create advanced models of mechanical systems. You will create drawings with reference to best practices and technical standards. You will use software such as Autodesk Revit to an intermediate skill level.

MECH 210 Elements of Applied Mechanical Drafting

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENG 200, ENG 201

You will apply codes and standards pertaining to storage tanks, pumps and boiler design and selection. You will learn how to analyze and apply process flow to mechanical equipment based on your preliminary design and system layouts. You will also learn how to select and/or design complimentary elements including pipe supports, walkways and stairs in an industrial setting.

MED 100 Foundations of Medical Device Reprocessing

Credit Units: 3.0 Course Hours: 45.0

You will study the functioning of the medical device reprocessing (MDR) department and examine the roles and responsibilities of the medical device reprocessing technician (MDRT). You will study medical terminology, major body systems, microbiology, infection prevention and control, safety, and required Canadian Standards as they relate to MDR. You will observe the fundamentals and components of MDR in a work integrated learning experience in the MDR department.

MED 100CE Foundations of Medical Device Reprocessing

Credit Units: 3.0 Course Hours: n/a

You will study the functioning of the medical device reprocessing (MDR) department and examine the roles and responsibilities of the medical device reprocessing technician (MDRT). You will study medical terminology, major body systems, microbiology, infection prevention and control, safety, and required Canadian Standards as they relate to MDR. You will observe the fundamentals and components of MDR in a work integrated learning experience in the MDR department.

MED 101 Decontamination: Cleaning and Disinfection

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MED 100

You will study the decontamination process in a medical device reprocessing (MDR) department. You will learn cleaning and disinfecting processes and the equipment used to decontaminate medical devices. You will learn the process of decontaminating surgical instruments, patient care equipment, and rigid and flexible endoscopy equipment. You will study policies and procedures related to the decontamination area. You will apply your knowledge during a work integrated learning experience in the MDR department.

MED 101CE Decontamination: Cleaning and Disinfection

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): MED 100

You will study the decontamination process in a medical device reprocessing (MDR) department. You will learn cleaning and disinfecting processes and the equipment used to decontaminate medical devices. You will learn the process of decontaminating surgical instruments, patient care equipment, and rigid and flexible endoscopy equipment. You will study policies and procedures related to the decontamination area. You will apply your knowledge during a work integrated learning experience in the MDR department.

MED 102 Preparation and Packaging

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MED 101

You will study the inspection, sorting, assembling, and packaging of medical devices. You will study the classifications of surgical instruments and their preparation for sterilization. You will discuss wrapping, packaging, container systems, and sterility indicators. You will practice inspection, assembly and packaging of instruments during a work integrated learning experience in the medical device reprocessing department.

MED 102CE Inspection, Assembly,Packaging

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): MED 101

You will study the inspection, sorting, assembling, and packaging of medical devices. You will study the classifications of surgical instruments and their preparation for sterilization. You will discuss wrapping, packaging, container systems, and sterility indicators. You will practice inspection, assembly and packaging of instruments during a work integrated learning experience in the medical device reprocessing department.

MED 103 Sterilization, Storage and Distribution

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MED 102

You will study the principles and methods of sterilization. You will study the monitoring criteria of sterilization and discuss the storage, and distribution of sterile supplies. You will review single use medical devices and loaner instruments. You will demonstrate sterilization, storage, and distribution during a work integrated learning experience in the medical device reprocessing department.

MED 103CE Sterilization, Storage and Distribution

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): MED 102

You will study the principles and methods of sterilization. You will study the monitoring criteria of sterilization and discuss the storage, and distribution of sterile supplies. You will review single use medical devices and loaner instruments. You will demonstrate sterilization, storage, and distribution during a work integrated learning experience in the medical device reprocessing department.

MED 161 Medical Terminology

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MED 160, MTER 200

Your studies will focus on medical language and its use in practical situations. You will be introduced to the structure and function of medical language and the medical terms relating to body systems.

MED 161CE Medical Terminology

Credit Units: 3.0 Course Hours: n/a

Your studies will focus on medical language and its use in practical situations. You will be introduced to the structure and function of medical language and the medical terms relating to body systems.

METL 100 Metallurgy and Heat Treatment of Metals

Credit Units: 2.0 Course Hours: 30.0

You will study the physical, chemical and mechanical properties of commonly used metals in the welding trade. You will study the processes of steel making. You will apply the techniques involved in heat treating metals. You will examine the classification systems used for metal identification.

METL 101 Metallurgy and Fabrication

Credit Units: 3.0 Course Hours: 45.0

You will learn theory and practical application of metallurgy. You will learn theoretical and practical fabrication techniques.

METL 105 Metallurgy

Credit Units: 3.0 Course Hours: 45.0

You will learn theory and practical application of metallurgy. You will learn practical forging techniques.

METL 107 Metallurgy and Material Designations

Credit Units: 2.0 Course Hours: 30.0

You will study the types, operation and control of cranes, Occupational Health and Safety aspects, load estimation, and site evaluation. You will study the capacity of cranes, as well as rigging, signaling, and maintaining the crane and logbooks.

METL 108 Basic Metal Work Practical Application Theory

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): (WLDR 160, WLDR 161), SFTY 126*

Corequisite(s): METL 109, METL 110

You will learn the theory how to smooth and shape metal panels. You will also learn how to finish automotive panels by filing, grinding, and applying body filler procedures. You will learn rust repair and rolling out damaged panels.

METL 109 Basic Metal Work 1 Practical

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): (WLDR 160, WLDR 161), SFTY 126*

Corequisite(s): METL 108, METL 110

You will learn how to smooth and shape metal panels. You will also learn how to finish automotive panels by filing, grinding, and applying body filler.

METL 110 Basic Metal Work 2 Practical

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): (WLDR 160, WLDR 161), SFTY 126*

Corequisite(s): METL 108, METL 109

You will perform a tension pull and rust repair.

METL 111 Advanced Metal Practical Application Theory

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): (DOOR 120, ELEC 120, METL 108, METL 109, METL 110, PLST 120, SHME 120), SFTY 126*

Corequisite(s): METL 112, METL 113

You will focus on analyzing and interpreting repair estimates, repair procedures, and product information including structural specifications.

METL 112 Advanced Metal Work 1 Practical

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): (DOOR 120, ELEC 120, METL 108, METL 109, METL 110, PLST 120, SHME 120, WLDR 160, WLDR 161), SFTY 126*

Corequisite(s): METL 111, METL 113

You will focus on analyzing and repairing minor collision damage (including fibre-reinforced, plastic, and rust repairs).

METL 113 Advanced Metal Work 2 Practical

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): (DOOR 120, ELEC 120, METL 108, METL 109, METL 110, PLST 120, SHME 120, WLDR 160, WLDR 161), SFTY 126*

Corequisite(s): METL 111, METL 112

You will apply printed information to repair vehicle collision damage.

METL 114 Heat Treatment of Metals

Credit Units: 1.0 Course Hours: 18.0

You will become familiar with the physical and chemical properties of commonly used metals in the welding trade. You will study the effect of the heating and cooling cycle involved in welding operations (with particular attention to the heat-affected zone). You will also review the use of heat to correct distortion and to change the physical properties of metals, and the classification system for identifying metal.

METL 115 Basic Metal Theory

Credit Units: 2.0 Course Hours: 30.0

You will learn theory related to smoothing and shaping metal panels. You will also learn about methods of finishing automotive panels by filing, grinding, and applying body filler procedures.

METL 116 Basic Metal Practical

Credit Units: 4.0 Course Hours: 60.0

You will learn how to smooth and shape metal panels. You will also learn how to finish automotive panels by filing, grinding, and applying body filler.

METL 120 Basic Metal Work

Credit Units: 10.0 Course Hours: 150.0

Prerequisite(s): SFTY 126*

You will learn how to smooth and shape metal panels. You will also learn how to finish automotive panels by filing, grinding and applying body filler. The course content includes repairing minor rust damage.

METL 181 Soldering and Brazing

Credit Units: 3.0 Course Hours: 45.0

You will learn soldering and brazing techniques as well as proper use of acetylene equipment. You will also learn how to work with the metals used in refrigeration and air conditioning.

METL 220 Advanced Metal Work

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): DOOR 120, ELEC 120, GLAS 120, METL 120, PLST 120, SFTY 126*, SHME 120, WELD 178

You will focus on analyzing repair costs and repairing minor and major collision damage (including fibre-reinforced, plastic and rust repairs).

MGMT 101 Kitchen Management

Credit Units: 2.0 Course Hours: 30.0

You will learn a variety of concepts, principles and practices related to kitchen management.

MGMT 101CE Kitchen Management

Credit Units: 2.0 Course Hours: n/a

You will learn a variety of concepts, principles and practices related to kitchen management.

MGMT 102 Project Management

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ELTR 196, ELTR 198, COMP 111, TCOM 103*

You will learn how to use project management techniques and apply them to an electronics project. A hands-on approach will help you learn the principles and concepts of project management (including typical documents and procedures associated with managing an engineering project). You will maintain appropriate documentation and provide regular progress updates to your advisor.

MGMT 103 Construction Contracts

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MGMT 225

You will examine construction contracts as developed by the Canadian Construction Documents Committee (CCDC). You will discuss the laws and guidelines surrounding construction contracts. You will examine construction project organization and contracting methods. You will examine how a typical construction project is organized, bid, awarded and completed. You will discuss the roles and responsibilities of all parties involved. You will use industry standard drawings and specifications.

MGMT 104 Case Management

Credit Units: 2.0 Course Hours: 30.0

You will study file management, case management, and case planning based on client needs and community agencies that provide support services to victims of crime and/or traumatic events.

MGMT 104CE Case Management

Credit Units: 2.0 Course Hours: n/a

You will study file management, case management, and case planning based on client needs and community agencies that provide support services to victims of crime and/or traumatic events.

MGMT 105 Volunteer Management

Credit Units: 2.0 Course Hours: 30.0

You will study volunteer support, management, training, and recognition for victim services.

MGMT 105CE Volunteer Management

Credit Units: 2.0 Course Hours: n/a

You will study volunteer support, management, training, and recognition for victim services.

MGMT 106 Organizational Management

Credit Units: 4.0 Course Hours: 60.0

You will learn about management concepts, processes and techniques. You will focus on the components of management including planning, organizing, leading and controlling. You will identify social and environmental issues affecting managers in today's environment. You will work through the process of recruitment, screening, training and recognition of volunteer management programs. You will discuss the various board structures and their operating processes.

MGMT 107 Introduction to Food Service Management

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MGMT 184

Your studies will focus on the fundamental principles and concepts related to the field of management in the food service industry. The major components of management are controlling, leading, organizing, and planning. You will be introduced to a range of management styles and skills necessary for success in foodservice.

MGMT 108 Introduction to Sport Management

Credit Units: 4.0 Course Hours: 60.0

You will discover the dynamic field of sport management. Specifically, you will explore the diverse career paths and opportunities within the sport industry in Canada and prepare yourself for success as a sport management professional. Additionally, you will study a sport industry model, the Canadian sport system and sport policy, sociological aspects of sport, the Truth and Reconciliation Commission of Canada Calls to Action related to sport, the functions of sport management, governance and legal considerations, and emerging trends.

MGMT 109 Patient Management 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): APHY 103, ETHC 101, INFC 180, MTER 180

Equivalent Course(s): ETHC 181

This course provides an introduction to topics which impact the care of patients within a radiology setting. Your studies will focus on communication and considerations for patients of varying demographics. You will learn to recognize changes in a patient's physical status and the appropriate response of the radiographer during medical emergencies. Your studies will help you to identify medical accessory devices and their purposes. You will demonstrate isolation techniques and learn the theory of surgical asepsis, as well as practice assisting with personal care tasks such as assisting with dressing and placing bed pans.

MGMT 110 Patient Management 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MGMT 109*

Equivalent Course(s): ETHC 182

You will learn the radiographer's role in patient care regarding surgical asepsis, medication administration, intravenous therapy and contrast media administration.

MGMT 115 Management Principles

Credit Units: 2.0 Course Hours: 30.0

You will focus on the goals, functions and roles of management. You will learn what management is and what it takes to become a successful manager. You will examine different types of managers, the ways that they are effective, and consider situations where one management style may be better than another.

MGMT 115CE Management Principles

Credit Units: 2.0 Course Hours: n/a

You will focus on the goals, functions and roles of management. You will learn what management is and what it takes to become a successful manager. You will examine different types of managers, the ways that they are effective, and consider situations where one management style may be better than another.

MGMT 116 Business Management

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SFCP 606

You will focus on business structure and financial management. You will focus on ownership types, financing, and liabilities of a business. You will identify the financial and business structures that will enable success in the workplace.

MGMT 116CE Business Management

Credit Units: 2.0 Course Hours: n/a

You will focus on business structure and financial management. You will focus on ownership types, financing, and liabilities of a business. You will identify the financial and business structures that will enable success in the workplace.

MGMT 126 Organizational Behaviour

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ADMN 220

You will study human behaviour in organizations and develop the skills needed to deal with people at work. The course content includes individual behaviour, values, interpersonal relationships, group and team dynamics, and organizational culture. Your studies of human organizational behavior will focus on diverse formal organizations.

MGMT 127 Accounting for Managers

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): FIN 121

In your studies, you will gain the required knowledge of accounting and finance to perform your role as a manager. Your studies will include an introduction to essential accounting concepts, the development and analysis of financial statements, profit planning to aid management decisions, management of working capital, and preparation of sales and cash budgets.

MGMT 128 Business Software Applications

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): COMP 120

Your studies will focus on the practical use of Microsoft Word, Excel, Outlook, and PowerPoint. You will learn a wide range of skills from intermediate to advanced in each of the applications.

MGMT 129 Strategic Management

Credit Units: 3.0 Course Hours: 45.0

You will study the key concepts, tools, and principles of strategy formulation and competitive analysis, designed to capitalize on emerging opportunities. Your studies are focused on information analyses, organizational processes, skills, business knowledge and judgement that managers must possess to devise strategy, to position their firms to sustain and maximize progress in the face of uncertainty and competition. You will take a general management perspective, viewing the organization as a whole entity by examining how policies in each functional area are integrated and woven to represent the whole firm to achieve sustainability and profitability in an ever changing and competitive environment.

MGMT 130 Project Management

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MKTG 228

You will develop the skills and techniques required to make an effective contribution to, and have an immediate impact on, successful projects. You will develop the knowledge required to initiate, plan, execute, control and close projects. You will gain a working knowledge of MS Project software and be able to use it to schedule, budget, and control projects.

MGMT 132 Marketing Management

Credit Units: 3.0 Course Hours: 45.0

You will gain an appreciation of the role of marketing management and marketing strategy to the survival and success of the organization within a competitive and dynamic business environment. You will create and present a comprehensive marketing plan for the marketing activities within a particular industry.

MGMT 133 Change Management

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): HR 236

You will develop strategies and processes related to creating and fostering an evolving workplace culture that supports innovation, change, quality and learning and results in harmony between the organization's needs and employee's expectations while remaining consistent with the organization's business plan in a competitive and changing environment. The course content emphasizes the importance of implementing change in the proper sequence of events and interactions.

MGMT 134 Cross-Cultural Management

Credit Units: 3.0 Course Hours: 45.0

You will gain the expertise to leverage an organization's diverse workforce to enhance its competitive advantage. Your studies will include the elements of culture that define societies, intercultural communication skills that support collaboration, and strategies that enhance organizational and personal efficiency and effectiveness.

MGMT 135 Volunteer Management and Organizational Development

Credit Units: 4.0 Course Hours: 60.0

You will study issues and challenges related to nonprofit organizations, including volunteer management, boards' development, grant writing and partnership.

MGMT 150 Leadership

Credit Units: 1.0 Course Hours: 15.0

You will review and practice aspects of leadership, including motivation, delegation, teamwork, and decision making, in the context of small business.

MGMT 184 Introduction to Management

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ADMN 126

You will focus on the fundamental principles and concepts related to the field of management. The major components of management including controlling, leading, organizing, planning and staffing will be covered. You will be introduced to the different management styles and skills necessary for success in business today.

MGMT 189 Managerial Skills

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SFCP 607

You will focus on the goals, functions and roles of management. You will focus on team building, leadership, and management principles. You will identify essential and employability skills that will enable success in the workplace.

MGMT 189CE Managerial Skills

Credit Units: 2.0 Course Hours: n/a

You will focus on the goals, functions and roles of management. You will focus on team building, leadership, and management principles. You will identify essential and employability skills that will enable success in the workplace.

MGMT 190 Statistics

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): COMP 192*

You will be introduced to data management and interpretation of results through statistical analysis. As you will be collecting and evaluating large amounts of data, this course will help you to understand the statistical significance of the data and why the number and frequency of samples are important. Microsoft Excel is used in statistical calculations.

MGMT 191 Organizational Behaviour

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ADMN 220

Your studies will focus on how to best assist employers and their workers through changes and challenges in the realm of occupational health and safety. You will focus on improving your personal leadership qualities and how leadership style can be used to capitalize on the strengths and weaknesses in any occupational health and safety management system.

MGMT 191CE Organizational Behaviour

Credit Units: 4.0 Course Hours: n/a

Your studies will focus on how to best assist employers and their workers through changes and challenges in the realm of occupational health and safety. You will focus on improving your personal leadership qualities and how leadership style can be used to capitalize on the strengths and weaknesses in any occupational health and safety management system.

MGMT 193 Behaviour Supports in Youth Care

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MGMT 281

You will be introduced to the behavioural change process as it applies to the youth care worker's role with children and youth at risk. You will examine the theories, principles, and strategies designed to increase optimal behaviours and decrease inappropriate behaviours. You will study practical guidelines and techniques for working with children and youth at risk in the context of family and community. You will learn the role of functional behaviour assessment in managing disruptive behaviour.

MGMT 193CE Behaviour Supports in Youth Care

Credit Units: 3.0 Course Hours: n/a

You will be introduced to the behavioural change process as it applies to the youth care worker's role with children and youth at risk. You will examine the theories, principles, and strategies designed to increase optimal behaviours and decrease inappropriate behaviours. You will study practical guidelines and techniques for working with children and youth at risk in the context of family and community. You will learn the role of functional behaviour assessment in managing disruptive behaviour.

MGMT 204 Community Facility Management

Credit Units: 3.0 Course Hours: 45.0

You will examine facility policies and procedures, maintenance practices, daily operations and facility design. You will study the operation and management of facilities and have the opportunity to engage in a facility symposium.

MGMT 207 Project Management Applications

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PROJ 287

You will apply your project management skills to develop all required aspects of a project proposal for a building site and a building. You will develop all aspects of the project team, contracts, delivery, estimating, scheduling and control in conjunction with the proposal using appropriate software.

MGMT 208 Cross-Cultural Management

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ADMN 205

You will learn skills, knowledge and attitudes that support the transformation of diversity into a competitive advantage. Your studies will include the elements of culture that define societies, intercultural communication skills that support collaboration, and strategies that enhance organizational and personal efficiency and effectiveness.

MGMT 208CE Cross-Cultural Management

Credit Units: 4.0 Course Hours: n/a

You will learn skills, knowledge and attitudes that support the transformation of diversity into a competitive advantage. Your studies will include the elements of culture that define societies, intercultural communication skills that support collaboration, and strategies that enhance organizational and personal efficiency and effectiveness.

MGMT 209 Strategic Management

Credit Units: 4.0 Course Hours: 60.0

You will study the key concepts, tools, and principles of strategy formulation and competitive analysis, designed to capitalize on emerging opportunities. Your studies are focused on information analyses, organizational processes, skills, business knowledge and judgement that managers must possess to devise strategy, to position their firms to sustain and maximize progress in the face of uncertainty and competition. You will take a general management perspective, viewing the organization as a whole entity by examining how policies in each functional area are integrated and woven to represent the whole firm to achieve sustainability and profitability in an ever changing and competitive environment.

MGMT 209CE Strategic Management

Credit Units: 4.0 Course Hours: n/a

You will study the key concepts, tools, and principles of strategy formulation and competitive analysis, designed to capitalize on emerging opportunities. Your studies are focused on information analyses, organizational processes, skills, business knowledge and judgement that managers must possess to devise strategy, to position their firms to sustain and maximize progress in the face of uncertainty and competition. You will take a general management perspective, viewing the organization as a whole entity by examining how policies in each functional area are integrated and woven to represent the whole firm to achieve sustainability and profitability in an ever changing and competitive environment.

MGMT 212 Project Management

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): MGMT 207

You will study project management theory, terms and concepts. You will study the project life cycle and discuss managing a successful project from pre-implementation to completion. You will be introduced to project management topics such as resources, costs, time constraints, project scope, and risk management. You will also prepare a bid package for a small project.

MGMT 213 Introduction to Management

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ADMN 255

You will be provided with an overview of management theory and practices. The course content includes organizing, planning, leading and controlling functions, and focuses on decisions in different types of environments. You will also review organizational structure and the applicable management practices appropriate for the organization.

MGMT 214 Project Management

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): MKTG 228

You will develop the skills and techniques required to make an effective contribution to, and have an immediate impact on, successful projects. You will develop the knowledge required to initiate, plan, execute, control and close projects. You will gain a working knowledge of MS Project software and be able to use it to schedule, budget and control projects.

MGMT 215 Organizational Behaviour for the Food Service Industry

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MGMT 107

Equivalent Course(s): MGMT 286

You will explore how individual and group behaviour impacts food service operations. Your studies will focus on motivation, organizational culture, power, and politics and how they relate to food service.

MGMT 216 Esports Business Management

Credit Units: 3.0 Course Hours: 45.0

You will acquire knowledge and skills related to managing the growing and dynamic global esports industry. Specifically, you will learn about the uniqueness of the esports industry, ecosystem, and careers. Specific topics include marketing, partnership, communications, governance and law, event and venue management, finance and economics, as well as team and player management in esports. Additionally, you will plan and manage an esports event.

MGMT 217 Risk Management for Sport Organizations

Credit Units: 3.0 Course Hours: 45.0

You will acquire the knowledge and skills you need to effectively manage risk in the sport industry. Specifically, you will discuss the risks and responsibilities of sport organizations, the importance of ethics in managing risk, and a risk management framework. Additionally, you will design a risk management plan for a sport organization that meets its responsibilities to provide a safe environment, make decisions fairly, and properly care for and protect its assets and resources.

MGMT 222 Management

Credit Units: 3.0 Course Hours: 44.0

You will study management theory and management practices with specific applications to project, economic, human resource and stress management. Training exercises, cases, videos and other materials will help you develop practical management skills.

MGMT 225 Technical Management

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): MAT 120

Equivalent Course(s): MGMT 103

The course provides an introduction to various aspects of Canadian business in technical areas. You will calculate and evaluate project economies. You will also study the advantages, disadvantages and philosophy of various business ownerships (including sole proprietorships, partnerships, corporations and cooperatives), business organizations, management theories, production, inventory, quality control, marketing and promotion, personnel management and supervision.

MGMT 226 Project Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MGMT 103

Equivalent Course(s): MGMT 214

You will analyze the project management process. You will use industry standard construction documents to manage risk on a project. You will discuss jobsite safety procedures and documentation. You will practice scheduling, resource allocation and estimating. You will estimate cost for a small project. You will prepare a bid package for a small project.

MGMT 228 Management Principles

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ADMN 220, TCOM 227

You will study human behaviour in organizations and develop the skills needed to deal with people at work. The course content includes individual behaviour, values, interpersonal relationships and communications, groups and team dynamics, organizational culture, leadership, and change. All topics are dealt with in the context of diverse formal organizations.

MGMT 282 Library Management - Theory and Practice

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ORTN 190

You will focus on the principles of management with particular emphasis upon the role of the technician as supervisor within school, public, academic and special libraries. Management styles, planning, staff selection, supervision, and leadership styles, motivation, evaluation and budgeting will be covered. You will be expected to integrate the theoretical framework with practical applications through case studies, readings, simulations and class discussion.

MGMT 284 Project Management

Credit Units: 3.0 Course Hours: 40.0

Corequisite(s): PROJ 288

Equivalent Course(s): PROJ 287

Building on the skills you developed in CAD 281 (Computer Aided Engineering 1), you will learn how to use project management techniques and apply the concepts to manage engineering projects. You will describe the principles and concepts of project management as related to a specific project (including typical documents and procedures associated with contract documents). You will use MS Project to schedule projects and prepare a critical path network diagram.

MGMT 285 Engineering Contracts

Credit Units: 1.0 Course Hours: 10.0

You will be provided an overview of the role of a technologist in an engineering team. As well, you will study documents associated engineering contracts.

MGMT 286 Organizational Behaviour for the Hospitality Industry

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MGMT 184

Equivalent Course(s): MGMT 283, SUPR 180

You will learn the concepts of management, leadership, power, politics, ethics, delegation, and change management.

MGMT 400 Construction Contracts and Documents

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LAW 300

You will learn to prepare, interpret and apply the documents used for construction management,.

MGMT 403 Construction Project Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ESTM 400, MGMT 400, PLAN 400

You will learn the knowledge and skills necessary to manage a construction project. You will learn the role of the construction manager, from the bidding phase to project completion, including the preparation of documents and reports used to manage a construction project.

MGMT 404 Managing Change

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LEAD 303

You will develop a strategic perspective on managing the four phases of change and your role as a change agent. Your studies will include content that will support your role as a change agent and the personal factors that you will use when you are leading an organizational change. You will explore challenges that organizations face, and you will develop a leadership perspective that will assist you to deal with change or manage change.

MGMT 405 Strategic Business Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 300

You will study management processes, strategies, and techniques that are consistent with corporate business strategy and designed to capitalize on emerging opportunities. Your studies will equip you with the critical skills and knowledge required to make important business decisions. You will develop the business expertise to engage in strategic planning that supports the integration of functional business activities of production, finance and marketing.

MGMT 406 Risk Management

Credit Units: 3.0 Course Hours: 45.0

You will learn how to identify and manage threats, both external and internal, focusing on best practices in the field of risk management. You will assess risk situations in organizations and analyze project risk management and its development. You will learn about enterprise risk management and apply it to a business context. You will learn to recognize and control certain risk hazards such as financial risks, infrastructure risks, reputational risks and market place risks. You will learn how to manage threats and deal with them in an appropriate and effective manner.

MGMT 407 Cross-Cultural Management

Credit Units: 3.0 Course Hours: 45.0

You will learn skills, knowledge, and attitudes that support the transformation of diversity into a competitive advantage. Your studies will include the elements of culture that define societies, intercultural communication skills that support collaboration, and strategies that enhance organizational and personal efficiency and effectiveness.

MGMT 600 IT Operations Management and Strategic Planning

Credit Units: 3.0 Course Hours: 45.0

You will learn the fundamentals of information technology (IT) operations management in an organization. This will include the information technology infrastructure library (ITIL) techniques for providing effective services and continual service improvement. You will also learn the fundamentals of strategic planning and the construction and monitoring of a balanced score card for an organization or department. You will also develop a strategy for moving an organization's technical capacity from a limited current state to an improved future state.

MGMT 601 Strategic Management

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MGMT 129

You will study the key concepts, tools, and principles of strategy formulation and competitive analysis, designed to capitalize on emerging opportunities. Your studies are focused on information analyses, organizational processes, skills, business knowledge and judgement that managers must possess to devise strategy, to position their firms to sustain and maximize progress in the face of uncertainty and competition. You will take a general management perspective, viewing the organization as a whole entity by examining how policies in each functional area are integrated and woven to represent the whole firm to achieve sustainability and profitability in an ever changing and competitive environment.

MGMT 605 Introduction to Supply Chain Management

Credit Units: 3.0 Course Hours: 45.0

You will learn the key concepts and techniques used in the field of supply chain management. You will examine the relationships among strategic objectives, customer expectations, and process management. You will also explore the planning, sourcing and inventory elements of the supply chain management cycle.

MGMT 606 Logistics and Distribution

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MGMT 605

You will examine the role of logistics of supply chain management, the transportation of goods and materials, and the warehousing of goods and materials.

MGMT 607 Risk Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ADMN 602*, MGMT 606*

You will examine the use of risk mitigation tools and strategies to inform supply management decisions. You will practice identifying, prioritizing, and mitigating specific risks. You will develop risk mitigation plans for specific risk factors associated with a particular business' supply chain. You will learn strategies to reduce risk and the impact of risk.

MGMT 608 Procurement and Contract Management

Credit Units: 3.0 Course Hours: 45.0

You will develop the skills to manage the procurement aspects of projects. Procurement management are closely involved with the following elements: scope definition, statement of work, scheduling, risk analysis and organizational structure of projects, Request for Proposal (RFP), supplier selection, competitive bidding, price negotiation, teaming arrangements with selecting proper contract type considering strengths and weaknesses of all possible contact approaches. You will cover the spectrum of procurement, from both the customer's and provider's viewpoint. The topics are consistent with PMI Project Management Body of Knowledge (PMBOK) and their related processes.

MGMT 609 Operations Management

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the function of operations management and how to manage resources effectively to gain a competitive advantage. You will gain an understanding of the responsibilities and current tools of operations managers in service and manufacturing organizations. Key topics include the role of the operations manager, productivity improvement, facility location decisions, demand forecasting, inventory management, quality management systems and relationship between operations and supply chain management.

MGMT 611 Small Business Management

Credit Units: 3.0 Course Hours: 45.0

You will gain a practical understanding of the various components of managing a small business. Specifically, you will study the lifecycle of a business, human resources, operations and supply chain, quality management, e-business and e-commerce, insurance and risk management, as well as exit strategies.

MHA 100 Mental Health and Addictions

Credit Units: 3.0 Course Hours: 45.0

You will study mental health disorders, chemical dependency and how the effects of stigma can impact a patient. You will examine detoxification management and practice motivational interviewing. You will participate in labs and online discussions to help you develop the skills required to provide care to mental health or chemically dependent patients.

MHA 100CE Mental Health and Addictions

Credit Units: 3.0 Course Hours: n/a

You will study mental health disorders, chemical dependency and how the effects of stigma can impact a patient. You will examine detoxification management and practice motivational interviewing. You will participate in labs and online discussions to help you develop the skills required to provide care to mental health or chemically dependent patients.

MHA 101 Introduction to Counselling Skills

Credit Units: 4.0 Course Hours: 60.0

You will begin to explore the counselling process and skill development. Key concepts include Motivational Interviewing (MI) principles, stages of change, interpersonal communication, client centered care, inter-professional communication and interviewing skills. You will examine the importance of self-awareness, cultural awareness, and Indigenous perspectives in counselling.

MHA 102 Conflict Resolution

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MHA 101

Equivalent Course(s): CDEP 177

You will examine conflict theory and conflict resolution strategies. You will apply interest-based conflict resolution techniques and cultural approaches to resolve conflict.

MHA 103 Roles, Responsibilities and Ethics

Credit Units: 4.0 Course Hours: 60.0

You will develop knowledge of ethical principles, legal standards and reflect upon scope of practice. You will examine ethical decision making and apply an ethical problem-solving model. You will examine inter-professional dynamics, cyber-counselling, stress, and cultural and Indigenous perspectives.

MHA 104 Introduction to Pharmacology and Psychobiology

Credit Units: 3.0 Course Hours: 45.0

You will define pharmacology and psychobiology. Major topics covered include an introduction to neuroanatomy, and neuroscience of addiction and pharmacokinetics. You will identify the biological basis of mental health disorders and the impact of psychotropic use in the brain and central nervous system (CNS).

MHA 105 Phenomenology of Substance Use and Disorder Patterns

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MHA 104*

You will explore professional accountabilities when working with substances and the substance use continuum. You will examine the etiology and major theories of influence including trauma-informed care. You will study the health impacts/effects of depressants, stimulants and hallucinogens and trending patterns of use.

MHA 106 Models of Detoxification Processes

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MHA 144

Equivalent Course(s): CDEP 179

You will examine detoxification programs, healing models, and the dynamics of relapse prevention. You will examine special considerations in withdrawal management including medical interventions, treatment processes for diverse populations, counsellor safety, and cultural considerations.

MHA 107 Family and the Healing Process

Credit Units: 3.0 Course Hours: 45.0

You will examine family systems and structures in Canada. You will examine cycles of use, inter-generational family patterns and the effects of substance use/addictions on the family. You will study the family system impacted by addictions and the roles formed. You will investigate a trauma-informed approach for working with a family, including community resources for the family.

MHA 108 Mental Health First Aid

Credit Units: 1.0 Course Hours: 15.0

You will learn to recognize the signs and symptoms of most common mental health problems and be able to identify when someone is experiencing a mental health and substance use crisis. You will learn how to interact confidently with individuals experiencing a mental health problem or crisis. You will also examine self-care practices to maintain mental well-being. Upon the completion of this course, you will receive certification in Mental Health First Aid (MHFA).

MHA 109 Trauma-Informed Practice

Credit Units: 4.0 Course Hours: 60.0

You will study the types, prevalence and neurobiology of trauma including the assessment of stress on individuals. You will explore intersectional considerations and individual reactions to trauma and create safety in the therapeutic relationship. You will explore and apply approaches to working with trauma survivors and analyze resilience, healing centered engagement, and post-trauma growth. You will augment a previously created self-care/stress-management plan to use in the field.

MHA 140 Mental Health Issues and Mental Health Disorders

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): CDEP 158

You will examine the history, services, Aboriginal perspectives, and the role of the twelve core functions in mental health. You will learn about the basic signs and symptoms of mental health issues contained in the Diagnostic and Statistical Manual of Mental Disorders, 4th Edition (DSM IV). You will learn about the continuum of mental health and mental well-being and the prevalence rates of mental health disorders in the general population. You will examine the effects of stigma as it relates to mental health and substance use disorders and its effect upon the client. You will learn about the Canadian Mental Health Strategy. You will also be introduced to the concept of the “Recovery Model.”

MHA 141 Medical Issues in Mental Health

Credit Units: 1.0 Course Hours: 12.0

Prerequisite(s): MHA 140

You will be provided with basic information regarding pharmacological treatment of mental health issues and concerns, and client concerns that may arise with the use of medications. You will be provided with an introduction to a First Nations philosophical approach to medication and issues that may arise between conflicting philosophies of First Nations and the medical model.

MHA 142 Recovery and Wellness Models

Credit Units: 2.0 Course Hours: 23.0

Prerequisite(s): CDEP 158

You will examine addictions and treatment processes as they relate to non-First Nations and First Nations traditional healing practises in recovery. You will also explore the dynamics of relapse and methadone programs in the recovery process.

MHA 143 Concurrent Disorders

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MHA 144, MHA 149

You will be provided with foundational knowledge regarding the relationship between mental health and substance use, risk factors, and treatment models for concurrent disorder clients. You will study prevalence rates of concurrent disorders. You will be introduced to the Saskatchewan Mental Health Act. You will use brief screening instruments and referral procedures.

MHA 144 Poly-Addictions

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MHA 105

You will explore trauma-informed care of poly-addictions. You will analyze the neurobiology of behaviour processes such as gambling, sex, and internet related addictions and their characteristics. You will also examine the trending patterns of poly-addictions.

MHA 145 Wellness Resource Project

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): COUN 159

You will shadow a mental health or an addictions counsellor in your community and through collaboration and networking you will develop resources to assist clients in working towards wellness and balance. You will examine the Recovery Model, the Whole Person Model and incorporating traditional healing practices into the recovery process.

MHA 146 Orientation to Mental Health and Addiction Services

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): COUN 159

You will use the core function of consulting with another professional to assist clients in their wellness and recovery journey. Using the Recovery Model, the Whole Person Model, and traditional healing practices, you will practice integrated screening, referral and treatment plan procedures to address the clients' concerns.

MHA 148 Professional Practice

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to professional and accountable practice in the addictions and mental health field. You will examine the concept of self by applying the principles of self-reflective practice, which will help you identify and respond to stress. You will prepare a strength-based approach for self-directed learning.

MHA 149 Mental Health and Psychological Considerations

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MHA 144

You will examine the continuum of mental wellness to mental illness. You will examine the stigma and clusters of psychological disorders. You will study medications used and client safety issues. You will examine Indigenous perspectives and trauma-informed approaches.

MHA 200 Case File Management, Screenings, and Intake Procedures

Credit Units: 3.0 Course Hours: 45.0

You will explore case file management, screening instruments and documentation guidelines (or standards). You will administer, score, interpret and present screening results in a simulated intake. You will practice to ethical guidelines for case file management.

MHA 201 Assessments, Motivational Interviewing and Recovery Plans

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MHA 200*

You will explore the core functions of professional responsibility in relation to risk assessment and complete a simulated comprehensive assessment. You will integrate motivational interviewing to create and document a recovery/relapse plan, (which includes community resources), in a simulated environment. Culturally responsive information and themes will be incorporated into your planning. You will practice professional ethics in assessment and recovery planning when documenting.

MHA 202 Individual Counselling Skills (Theory)

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MHA 101

You will examine an integrative counselling framework for mental health and addictions. You will refine your individual/interpersonal counselling skills and facilitate client self-exploration, challenge ambivalence and examine defense strategies and harm reduction strategies. You will investigate trauma-informed practice to meet the client where they are at by using an integrative counselling approach, in a simulated setting. You will also analyze the value of offering and receiving feedback on counsellor development.

MHA 203 Individual Counselling Skills Lab

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MHA 202*

This experiential course provides an opportunity to apply and practice counselling skills. You will demonstrate the counselling skills used to assess a client's presenting issue. You will focus on building therapeutic alliance with the client. You will evaluate your own and others' counselling skills.

MHA 204 Practice Considerations for Diverse Populations

Credit Units: 3.0 Course Hours: 45.0

You will explore key considerations for working with clients from diverse backgrounds. There is a focus on individuals identifying on the gender and sexual spectrum, newly immigrated Canadians, youth to older adults, physical and mental conditions, grieving individual's with substance use disorders and clients on probation and parole. You will explore intersectionality and develop counselling skills to demarginalize its impacts on mental and emotional well-being in the healing process.

MHA 205 Contemporary Interventions

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MHA 204*

You will be introduced to a range of contemporary interventions and analyze the significance of mindfulness in work with clients. You will also assess the value of interventions used in the cognitive, emotional, somatic domains and the importance of harm reduction and healing centered engagement. You will examine workplace, community assistance programs and self-help groups and their role in treatment planning.

MHA 206 Group Counselling

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to group counselling theories, group dynamics, group facilitation skills and the value of group work. You will also examine the principles of group design, industry treatment models while examining professional development. You will prepare, implement and evaluate a group counselling design project in a simulated setting.

MHA 207 Community Engagement, Partnerships and Prevention Programs

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COUN 245

You will explore community and healing centered engagement, partnerships and programs. You will examine the process of change and mobilization in community engagement. You will analyze current/common issues and develop evidence-based strategies to improve community function.

MHA 208 Transition to Professional Practice Seminar

Credit Units: 3.0 Course Hours: 45.0

You will examine interdisciplinary and inter-professional practice. You will analyze your counselling style and scope of professional practice. You will also create a professional development plan and analyze professional self-care and mindfulness practices.

MICR 104 Microcontrollers 1

Credit Units: 3.0 Course Hours: 51.0

Prerequisite(s): ELTR 123

You will study microcontroller hardware and peripheral components. You will learn how to interface light-emitting diodes, keypads and liquid-crystal displays with a microcontroller. You will write assembly language programs and use a simulation package to assemble and simulate the code for a microcontroller system. You will create drivers to communicate with the external peripherals. You will wire-wrap and use a microcontroller system in a hands-on environment.

MICR 105 Microcontrollers 2

Credit Units: 3.0 Course Hours: 51.0

Prerequisite(s): MICR 104

You will study advanced hardware and peripheral components of a microcontroller system. You will study real-time clocks, digital potentiometers, infrared detectors, serial ports, memory devices, analog-to-digital converters, compare modules, counters, capture modules and pulse width modulation. You will work with a microcontroller system in a hands-on environment and use simulation software to develop programs to interface a microcontroller with its peripherals.

MICR 106 'C' Programming for Embedded Microcontrollers

Credit Units: 3.0 Course Hours: 51.0

Prerequisite(s): ELTR 123

You will be introduced to the fundamentals of the 'C' programming language. You will write a structured program in 'C'. You will then develop programs in 'C' with an emphasis on embedded microcontroller applications.

MICR 107 Microcontrollers 3

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MICR 105, MICR 106

You will program microcontrollers using the 'C' programming language. You will use a development system with an integrated 'C' compiler that will compile and simulate your code. You will write code in 'C' to initialize a microcontroller system and all drivers for the system will be written in 'C'. You will optimize code for speed using assembly language embedded in 'C' code.

MICR 109 Digital Signal Processing

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MICR 105

Equivalent Course(s): MICR 108

You will study concepts and applications involving digital signal processing (DSP) and you will gain an understanding of representing signals in the discrete time domain. Your studies will introduce you to digital oscillators and digital filters. You will write and test programs using a DSP development system.

MICR 110 Microbiology for Pharmacy Practice

Credit Units: 2.0 Course Hours: 30.0

You will study the field of microbiology as it applies to pharmacy practice. You will learn about cell biology and microorganisms. You will study how microorganisms affect pharmacy practice and the premise for sterile practice.

MICR 111 Introduction to Microbiology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 103*, INFC 180*, MTER 180*, PROC 180*

Equivalent Course(s): MICR 187, MICR 190

You will learn the theory and skills required to prepare, culture, incubate, and stain clinical microbiology specimens.

MICR 159 Microbiology

Credit Units: 1.0 Course Hours: 22.0

Prerequisite(s): APHY 162*

Equivalent Course(s): MICR 160

You will study the various types of microorganisms, their characteristics and their role in the spread of infection. You will be introduced to the principles of health care epidemiology and the commonly used agents to control microbial growth. You will acquire knowledge of the major viral, bacterial and fungal diseases. Using group work, independent learning as well as laboratory activities you will study how the major diseases affect the immune system and the organs of the body. You will study the responsibilities and roles of health care workers in the chain of infection.

MICR 160 Microbiology

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): ANAT 167* or APHY 162*

You will study the various types of microorganisms, their characteristics and their role in the spread of infection. You will develop an understanding of health care epidemiology and the various agents used to control microbial growth. You will acquire knowledge of the major viral, bacterial and fungal diseases.

MICR 161 Medical/Surgical Nursing Skills

Credit Units: 1.0 Course Hours: 22.0

Prerequisite(s): MICR 159*

You will explore the concepts of microbiology in relation to infection control and patient care. You will demonstrate these concepts in the performance of select psychomotor skills in a simulated situation.

MICR 184 General Microbiology

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): LABT 182* or LABT 186*

You will be introduced to the history and development of microbiology, microbial taxonomy and nomenclature and molecular techniques for microbial identification. You will study the characteristics of, growth, laboratory methods and control of microorganisms through cultivation of bacteria. Your laboratory experience will focus on techniques for safely handling, isolating and identifying bacteria.

MICR 185 Microbiology for Funeral Services

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): NEPS 212

You will be introduced to the concepts of microbiology in relation to health and the process of disease in humans. You will explore the fundamentals of microorganisms in relation to the interaction with host, impact on environment, human disease and funeral service practice.

MICR 185CE Microbiology for Funeral Services

Credit Units: 2.0 Course Hours: n/a

You will be introduced to the concepts of microbiology in relation to health and the process of disease in humans. You will explore the fundamentals of microorganisms in relation to the interaction with host, impact on environment, human disease and funeral service practice.

MICR 186 Clinical Microbiology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 101

You will be introduced to bacteria, viruses and fungi and how they cause disease in animals. You will also be introduced to antimicrobials and antimicrobial resistance. The laboratory component of this course teaches aseptic technique, how to properly handle clinical samples and how to perform basic procedures carried out in a clinical setting.

MICR 187 Microbiology 1

Credit Units: 6.0 Course Hours: 85.0

Prerequisite(s): MTER 180, PROC 180

You will learn how to perform microbiology and antimicrobial susceptibility techniques. You will apply your skills to clinical specimens from the urinary, gastrointestinal and respiratory tracts. Interpreting clinically significant microorganisms will be emphasized.

MICR 188 Microbiology 2

Credit Units: 3.0 Course Hours: 50.0

Prerequisite(s): MICR 187

You will learn how to interpret clinically significant microorganisms from the eye/ear, genital tract, cardiovascular and central nervous systems, skin/wound/soft tissue and deep wound sites.

MICR 189 Microbiology 3

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MICR 188

You will learn how to interpret and recognize unusual/uncommon clinically significant microorganisms (including a limited number of fungi and parasites).

MICR 210 Microbiology 1 (Theory)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MICR 111, MICR 211*

You will apply theory for identification and susceptibility testing of clinically significant microorganisms, including bacteria, fungi, parasites, and viruses.

MICR 211 Microbiology 1 (Lab)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MICR 111, MICR 210*

You will perform identification and susceptibility testing for clinically significant microorganisms.

MICR 212 Microbiology 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MICR 210, MICR 211

You will perform identification and susceptibility testing for clinically significant microorganisms from various body systems.

MICR 261 Microbiology

Credit Units: 3.0 Course Hours: 45.0

You will learn how the science of microbiology evolved. You will learn about the various types of microbes, including their structure and function and how diverse they are. You will learn what microbes need to survive and how they can be controlled. You will learn how infectious diseases are transmitted and will develop an understanding of and appreciation for their prevention and control. You will also study immunity and how the three lines of defense serve to protect us. You will also develop a poster display.

MICR 282 General Microbiology 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ANAT 183, ANAT 184, LABT 182*

Corequisite(s): MICR 283

You will study the diversity of microorganisms. You will examine the characteristics of microbes including anatomy, nutrition, growth, and control. You will study methods, techniques, and the use of equipment such as microscopes.

MICR 283 General Microbiology 1 Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ANAT 183, ANAT 184, LABT 182*

Corequisite(s): MICR 282

You will study standard methods and techniques used in the culture, examination, and identification of microbes. You will study the characteristics of growth and control of microorganisms through application of laboratory methods for cultivation of bacteria. You will apply laboratory techniques for safely handling, isolating, and identifying bacteria.

MICR 284 Applied Microbiology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MICR 282, MICR 283, LABT 182, LABT 283*

Corequisite(s): MICR 285

You will study the application of microbiology in bioscience related areas including the environment, food production and preservation, and industrial settings. You will examine several ecosystems and the roles of microbes within them. You will study the preparation and maintenance of microbe culture collections and the role of microbes in plant pathology.

MICR 285 Applied Microbiology Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MICR 282, MICR 283, LABT 182, LABT 283*

Corequisite(s): MICR 284

You will study environmental sampling for microbes. You will examine bioreactors and usage. You will perform microbial analysis of environmental samples. You will document and examine collected data.

MINE 100 Raise Bore Drilling Process

Credit Units: 1.0 Course Hours: 10.0

Prerequisite(s): MINE 103

The course includes hands-on operation of the raise bore and box hole drilling processes. You will examine rock mechanics and the advantages of raise boring over manual rise mining methods.

MINE 101 Drilling the Pilot Hole

Credit Units: 16.0 Course Hours: 240.0

Prerequisite(s): MINE 100

You will gain an understanding of the procedures and hands-on skills required to safely and efficiently drill a pilot hole.

MINE 102 Reaming the Raise

Credit Units: 11.0 Course Hours: 160.0

Prerequisite(s): MINE 101

You will experience practical hands-on operating procedures to safely and efficiently ream a raise. You will learn inspection procedures, how to collar the raise, handle cuttings and procedures to remove and store reaming equipment.

MINE 103 Maintenance and Testing Procedures

Credit Units: 1.0 Course Hours: 10.0

Prerequisite(s): SFTY 109

The course provides an introduction to the drill records maintenance system and how to conduct drill rod and bit testing procedures.

MINE 104 Drilling in Uranium Ore

Credit Units: 1.0 Course Hours: 10.0

Prerequisite(s): MINE 102

You will participate in a supervised, hands-on operation of raise bore equipment in uranium ore.

MINE 105 Manual Drilling

Credit Units: 3.0 Course Hours: 50.0

Prerequisite(s): RIGG 103

You will become familiar with types of manual drilling equipment (Jackleg and Stoper drills) and their components. You will develop safe operating procedures and hands-on skills as you rig-in and operate manual drills.

MINE 106 Mine Safety

Credit Units: 3.0 Course Hours: 45.0

You will develop an understanding of common safety systems as well as emergency procedures. Based on provincial and federal mine regulations, your studies will focus on mine safety topics including personal protective equipment and mine safety cultures.

MINE 109 Soils and Concrete

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): TERR 103

You will evaluate soil properties and discuss methods of ground improvement. You will discuss and practice methods of quality control in aggregate, concrete, grout and shotcrete.

MINE 111 Mining Methods 1

Credit Units: 4.0 Course Hours: 60.0

You will become familiar with mining terminology, the mining cycle and mining history. When you complete the course, you will be able to describe different types of underground and surface mining techniques as well as basic mining equipment.

MINE 141 Mine Ventilation 1

Credit Units: 1.0 Course Hours: 20.0

Prerequisite(s): SUPP 135

You will receive an introduction to the purpose of mine ventilation systems, the types of systems used in underground mines and the components of mine ventilation systems.

MINE 142 Manual Drilling 1

Credit Units: 3.0 Course Hours: 40.0

The course provides an introduction to the types and components of manual drilling equipment (Jackleg and Stoper drills) used in hard-rock mines. The course content includes safety procedures and procedures for rigging-in and operating manual drills.

MINE 143 Blasting Methods 1

Credit Units: 1.0 Course Hours: 10.0

The course provides an introduction to the types of explosives, igniters and detonators. The course content includes safe handling, transportation and storage procedures.

MINE 144 Ore Movement 1

Credit Units: 4.0 Course Hours: 60.0

The course provides an introduction to some of the types of equipment (scooptram, remote controls, ore trucks and conveyors) and procedures used to handle and move muck safely.

MINE 153 Introduction to Radiation Safety

Credit Units: 1.0 Course Hours: 30.0

The course provides an introduction to the sources of ionizing radiation, atoms, protons, neutrons, radioactive decay chain, types of ionizing radiation, protection methods, monitoring methods, exposure limits and regulatory reporting procedures.

MINE 155 Mine Ventilation 2

Credit Units: 1.0 Course Hours: 20.0

Prerequisite(s): MINE 141

Building on the knowledge of mine ventilation systems acquired in MINE 141 (Mine Ventilation 1), you will develop the skills needed to install and maintain mine ventilation systems.

MINE 156 Manual Drilling 2

Credit Units: 7.0 Course Hours: 100.0

Prerequisite(s): MINE 142

Building on the knowledge and skills gained in MINE 142 (Manual Drilling 1), you will learn how to install rock bolts, prepare the face for drilling and drill patterns. You will also begin to develop hands-on skills operating manual drilling equipment.

MINE 157 Blasting Methods 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MINE 143

Building on the knowledge and skills gained in MINE 143 (Blasting Methods 1), you will learn the safe use and methods of preparing and blasting single and multiple shots.

MINE 158 Ore Movement 2

Credit Units: 7.0 Course Hours: 100.0

Prerequisite(s): MINE 144

Building on the knowledge and skills gained in MINE 144 (Ore Movement 1), you will learn the safety procedures and skills needed to operate additional types of track and tramming ore handling equipment (slushers, mucking machines and ore trucks).

MINE 159 Shaft Operations

Credit Units: 1.0 Course Hours: 20.0

Prerequisite(s): MINE 145

You will study the components of a mine shaft and general shaft safety procedures.

MINE 160 Ore Movement 3

Credit Units: 1.0 Course Hours: 15.0

You will investigate the role that conveyor systems play in an underground mine. You will learn the component parts of a conveyor system and safe operating procedures.

MINE 161 Cage Tending: Moving People

Credit Units: 5.0 Course Hours: 80.0

The course covers safe working practices around a shaft. This includes provincial regulations, inspection procedures, hoist bell signals, emergency procedures and proper loading and transporting procedures for moving people.

MINE 162 Cage Tending: Moving Material

Credit Units: 5.0 Course Hours: 80.0

You will be introduced to the safe working practices required when moving equipment and materials in the shaft, and study provincial regulations. You will also learn how to load and unload materials (including explosives). You will practice how to safely sling, transport and unload various types of loads under the cage.

MINE 163 Skip Tending

Credit Units: 5.0 Course Hours: 75.0

The course covers safe working practices, the components of the loading pocket and skip loading procedures. You will learn how to conduct pre-operational inspections and load wet muck (including uranium ore) safely.

MINE 164 Shaft Inspection Procedures

Credit Units: 5.0 Course Hours: 70.0

You will receive an introduction to the types and frequency of inspections performed in the shaft. You will perform maintenance procedures on shaft, hoist, hoist ropes, sheave wheels and shaft conveyances.

MINE 201 Mining Methods 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MINE 111

You will apply engineering principles to determine appropriate mining methods and operating cycles for various orebodies in underground and surface mining. You will discuss equipment and infrastructures used in mining.

MINE 202 Mine Hydrology

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): FMEC 200

You will be introduced to how water impacts mining operations; specifically, water treatment and water management. Your studies will include environmental issues pertaining to waste and tailings management as well as reclamation processes.

MINE 203 Mine Blasting

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MINE 111

You will study blasting safety, techniques, materials and related environmental issues. You will design blasting layouts for various underground and open pit mines.

MINE 204 Mine Design and Planning

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): GRND 200, MINE 201

Corequisite(s): GRND 201

You will apply your knowledge of mining methods to design mine plans. Using computer software, you will develop and evaluate layouts for various mining methods. You will consider how economics and scheduling impacts your mining plan.

MINE 205 Mining Software

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CADD 120

You will apply skills acquired in drafting and surveying courses to input data into Deswik and Vulcan software packages. You will construct 3D models of underground drift and ore body.

MKTG 101 Commodity Marketing 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): AGRI 101

You will examine strategies of commodity marketing of agricultural products. You will explore marketing principles in various market situations as well as work with forward contracts, basis contracts, futures contracts, and option strategies in agriculture commodities.

MKTG 120 Marketing

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): MKTG 140

You will discover the dynamic field of marketing. You will explore what marketing is, how it works, and the effect it can have on consumers and society. At the end of the course, you should have a strong sense of how to market ideas, skills, as well as products and services. You will apply these marketing concepts: the strategic marketing planning process, market research, segmentation, positioning, consumer behaviour, and the marketing mix.

MKTG 120CE Marketing

Credit Units: 5.0 Course Hours: n/a

You will discover the dynamic field of marketing. You will explore what marketing is, how it works, and the effect it can have on consumers and society. At the end of the course, you should have a strong sense of how to market ideas, skills, as well as products and services. You will apply these marketing concepts: the strategic marketing planning process, market research, segmentation, positioning, consumer behaviour, and the marketing mix.

MKTG 148 Selling Skills

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): TOUR 141

You will learn about the importance of selling skills in small business. You will examine the attributes of successful salespeople, identify the skills involved in the sales process and develop a sales plan. You will practice selling and dealing with objections.

MKTG 153 Marketing Research

Credit Units: 3.0 Course Hours: 45.0

You will learn how to conduct marketing research. You will learn how to describe the target market, industry, competition, and external factors for your business.

MKTG 157 Marketing for the Retail Sector

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MKTG 153

You will examine the four Ps of marketing (product, place, price and promotion). You will learn how to combine these ingredients into a marketing program for a small retail business. You will also learn about group buying and group purchasing power.

MKTG 164 Market Research 1

Credit Units: 3.0 Course Hours: 45.0

You will learn how to conduct primary and secondary marketing research. You will learn how to describe the product, competition, industry, and supplier network for your business.

MKTG 165 Market Research 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MKTG 164

You will examine the target market of your business, and how to communicate with them through traditional and electronic means. You will describe the target market, and prepare a promotional plan for your business.

MKTG 166 Marketing Strategy

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MKTG 165

You will focus on projecting the revenue for your business. You will examine external factors such as economic conditions, technology, social trends, and regulations; discuss common pricing methods; and calculate market potential and market share. This revenue projection, in combination with the research from MKTG 164 and MKTG 165, will create a marketing strategy for your business.

MKTG 170 Marketing in Recreation and Tourism

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): MKTG 120

You will learn the role, concepts and principles of marketing in a competitive environment. You will learn the importance of developing a marketing plan that includes a satisfactory marketing mix (product, price, place and promotion). You will understand the role of a marketer with respect to assessing customer needs. You will also study the elements of digital reputation management.

MKTG 181 Purchasing

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): FOOD 194

You will become familiar with the market, market functions and the knowledge, skills and attitudes needed as a purchaser. The course content includes food purchasing, receiving, storage and inventory procedures.

MKTG 202 Self-Promotion and Marketing

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MKTG 203*

Equivalent Course(s): MKTG 222

Your studies will focus on the professional standards of personal marketing. You will discuss the components of a business plan, and conduct an informal market analysis, which will support the development of a marketing strategy. You will create elements of your promotional plan.

MKTG 202CE Self-Promotion and Marketing

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): MKTG 203*

Your studies will focus on the professional standards of personal marketing. You will discuss the components of a business plan, and conduct an informal market analysis, which will support the development of a marketing strategy. You will create elements of your promotional plan.

MKTG 203 Digital Marketing 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 109, GRPH 118, MULT 120

Your studies will include developing, planning, and monitoring online digital marketing products, tools, and strategies. You will develop online marketing materials and evaluate their effectiveness.

MKTG 204 Commodity Marketing 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MKTG 101

You will explore various methods of commodity marketing of agricultural products. You will examine options on futures as well as contracts and strategies. You will also analyze market conditions and develop a marketing plan.

MKTG 205 Sport Marketing

Credit Units: 4.0 Course Hours: 60.0

Upon completion of this course, you will be prepared to successfully market sport in Canada. Specifically, you will build on your foundational marketing skills by creating a strategic marketing plan in a Canadian sport context. Key topics include how marketing supports organizational goals in each sector of sport, sport marketing strategy implementation and evaluation, technology and social marketing in sport, branding and brand equity, creative content design, and sport partnership.

MKTG 206 Digital Marketing 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MKTG 203

Your studies will include developing, planning, and monitoring advanced online digital marketing products, tools, and strategies. You will develop advanced online marketing materials and evaluate the effectiveness of them with web analytics.

MKTG 216 Fundamentals of Design and Branding

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): MKTG 217

You will develop an understanding of the fundamental principles of design and how they can be applied to build an effective brand identity. You will consider the use of colour, typography and graphic elements to shape brand images and learn techniques to utilize design to effectively appeal to a brand's target market. You will apply your knowledge in design to produce a comprehensive brand style guide and visual brand identity.

MKTG 217 Creative Design in Marketing Communications

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): MKTG 216

You will build an understanding of the role that design has in the development and delivery of an organization's communications and marketing strategy. You will develop skills in imagery, typography and graphic design, learn techniques to write and create effective communications messages, and apply these competencies across various digital and print media. You will produce a portfolio showcasing your skills learned throughout the course.

MKTG 218 Marketing Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MKTG 120

Corequisite(s): MKTG 219

You will develop skills critical to planning and coordinating the major marketing functions. You will consider the roles of environment and business analysis, planning, and performance measurement in marketing decision-making. You will apply your knowledge through case analyses and a simulation to demonstrate how to effectively formulate, implement and monitor marketing tactics, considering the importance of ethical guidelines for professional conduct and the fundamental responsibilities of working within the marketing field.

MKTG 219 Marketing Strategy

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MKTG 120

Corequisite(s): MKTG 218

You will consider the role of marketing in the strategic direction of organizations. You will develop the skills and knowledge to engage clients and marketing professionals in strategic discussions and make critical strategic marketing decisions. You will apply a broad knowledge of marketing concepts to the delivery of a comprehensive strategic marketing plan.

MKTG 220 Retail Strategy and Development

Credit Units: 4.0 Course Hours: 60.0

You will learn to recognize the multi facets of retailing and the importance of these in any business. The course content includes the conceptual and analytical foundations needed to understand all aspects of retail management. Your studies will also focus on a logical sequence targeted towards the development of a strategy for a retail firm and or product. You will learn the skills necessary to budget, plan and manage inventory.

MKTG 221 Relationship Selling

Credit Units: 4.0 Course Hours: 60.0

Your studies will focus on a comprehensive study and practice of all aspects of selling in today's dynamic market. Your studies will include the essential traits of a salesperson, psychological factors, product knowledge, selling aids, making the contact, closing the sale, sales management, and selling.

MKTG 222 Advertising and Marketing Communications

Credit Units: 4.0 Course Hours: 60.0

You will develop an integrated marketing communication plan using current industry practices. Applying the theory and rationale to creating advertisements and developing media plans are key components of the course. These essential components will be complemented by an illustration of the strategic use of sales promotion, personal selling, public relations, and event marketing/sponsorship.

MKTG 223 Marketing Research

Credit Units: 4.0 Course Hours: 60.0

You will explore the importance of marketing research in decision making. You will discover and apply the marketing research process to develop a basic marketing research report. Topics of study include: research design, qualitative and quantitative data gathering methods, sampling techniques, and data analysis using statistical software.

MKTG 223CE Marketing Research

Credit Units: 5.0 Course Hours: n/a

You will explore the importance of marketing research in decision making. You will discover and apply the marketing research process to develop a basic marketing research report. Topics of study include: research design, qualitative and quantitative data gathering methods, sampling techniques, and data analysis using statistical software.

MKTG 224 Creative Design

Credit Units: 5.0 Course Hours: 80.0

You will develop an understanding of the fundamental principles of design, as well as learn to appreciate the role it has in the development and delivery of an organization’s communications and marketing strategy. You will apply your skills in design utilizing visual imagery, typography and graphic elements, learn techniques to write and create effective communications messages, and apply these competencies across various digital and print media. You will produce a portfolio showcasing your skills learned throughout the course.

MKTG 225 Public Relations

Credit Units: 3.0 Course Hours: 45.0

You will consider the role of marketing in the strategic direction of organizations. You will develop the skills and knowledge to engage clients and marketing professionals in strategic discussions and make critical strategic marketing decisions. You will apply a broad knowledge of marketing concepts to the delivery of a comprehensive strategic marketing plan.

MKTG 226 Strategic Marketing

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): MKTG 120

You will use a decision-making approach to apply marketing concepts. You will develop the skills and knowledge to engage clients and marketing professionals in strategic discussions and to make presentations. Your studies will include opportunities to develop the skills and knowledge to make the decisions necessary for marketing strategy formulation, implementation, and control.

MKTG 227 Digital Marketing

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ADMN 203

You will explore the role of an effective online and social media presence in business marketing strategy. You will create and implement a strategic plan for social media marketing. You will use web and social media analytics to measure the effectiveness of a digital marketing strategy.

MKTG 227CE Digital Media

Credit Units: 4.0 Course Hours: n/a

You will explore the role of an effective online and social media presence in business marketing strategy. You will create and implement a strategic plan for social media marketing. You will use web and social media analytics to measure the effectiveness of a digital marketing strategy.

MKTG 228 Project Management

Credit Units: 4.0 Course Hours: 64.0

Equivalent Course(s): ECON 222

You will develop the skills and techniques required to make an effective contribution to, and have an immediate impact on, successful projects. You will develop the knowledge required to initiate, plan, execute, control and close projects. You will gain a working knowledge of MS Project software and be able to use it to schedule, budget and control projects.

MKTG 228CE Project Management

Credit Units: 4.0 Course Hours: n/a

You will develop the skills and techniques required to make an effective contribution to, and have an immediate impact on, successful projects. You will develop the knowledge required to initiate, plan, execute, control and close projects. You will gain a working knowledge of MS Project software and be able to use it to schedule, budget and control projects.

MKTG 270 Sales and Event Management

Credit Units: 4.0 Course Hours: 60.0

You will learn the principles of planning, organizing, controlling and executing catered functions as well as the criteria for selling to the events market. You will learn how to write convention proposals and train on current industry software, Delphi Sales and Catering Manager.

MKTG 282 Sales & Convention Management

Credit Units: 3.0 Course Hours: 38.0

The course covers the criteria for selling to the convention market. You will learn how to write convention proposals, bid letters and letters of agreement.

MKTG 283 Marketing

Credit Units: 4.0 Course Hours: 60.0

You will focus on marketing as a means of generating and maintaining satisfied customers. You will complete assignments in marketing research, social media and desktop publishing to complement the theory component. Healthcare marketing will be assessed.

MKTG 284 Hospitality Marketing

Credit Units: 4.0 Course Hours: 60.0

You will explore the fundamental principles of marketing as they relate to the tourism and hospitality industry. You will learn how sound marketing management can improve profitability and improve operational effectiveness and efficiency.

MKTG 300 Marketing

Credit Units: 3.0 Course Hours: 45.0

You will discover the dynamic field of marketing. You will explore what marketing is, how it works, and the effect it can have on consumers and on society. You will have a strong sense of how to market yourself, your skills, your ideas, as well as more traditional products and services. Marketing concepts you will learn include: the strategic marketing planning process, segmentation, positioning, forecasting, consumer behaviour, and the marketing mix.

MKTG 600 Marketing Management

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MGMT 132

You will gain an appreciation of the role of marketing management and marketing strategy to the survival and success of the organization within a competitive and dynamic business environment. You will create and present a comprehensive marketing plan for the marketing activities within a particular industry.

MKTG 602 Marketing for Small Businesses

Credit Units: 3.0 Course Hours: 45.0

You will explore the fundamental of marketing and with a focus on promotional strategies for small businesses. You will create a digital marketing campaign using several platforms. You will use web and social media analytics to measure the effectiveness of a digital marketing strategy.

MKTG 603 Marketing in a Social Media Environment

Credit Units: 3.0 Course Hours: 45.0

You will explore the fundamental principles of marketing as they relate to the tourism and hospitality industry. You will learn how sound marketing and social media management can improve profitability and improve operational effectiveness and efficiency.

MRNE 114 Outboard Fuel Systems

Credit Units: 4.0 Course Hours: 60.0

You will focus on servicing fuel pumps, recirculation systems and oil injection systems. You will study carburetion theory and learn how to service outboard carburetors. You will learn the theory behind today's electronic fuel injection systems. You will also apply this knowledge by participating in a demonstration of software diagnostic techniques.

MRNE 115 Starting, Charging and Ignition Systems

Credit Units: 3.0 Course Hours: 48.0

Equivalent Course(s): MRNE 200

You will study outboard electrical systems, including the ignition, starting and charging of systems. You will explore the theory and troubleshooting techniques of a typical electronic engine management system.

MRNE 116 Remote Controls

Credit Units: 1.0 Course Hours: 18.0

You will learn how to service the remote controls and steering systems used with outboard engines.

MRNE 117 Marine Two-Stroke Engines

Credit Units: 3.0 Course Hours: 50.0

Equivalent Course(s): MRNE 205

You will focus on the theory of two-stroke outboard engines. You will learn the procedures involved in overhauling these engines.

MRNE 118 Marine Four-Stroke Engines

Credit Units: 3.0 Course Hours: 50.0

Equivalent Course(s): MRNE 206

You will learn the theory of operation of four-stroke outboard engines and the practical application of service and tune-up procedures. You will also be given the opportunity to research future trends that impact the marine industry with regard to marketing and new technologies.

MRNE 119 Outboard Gear Cases and Cooling Systems

Credit Units: 4.0 Course Hours: 56.0

You will study the theory of operation of outboard cooling systems, including water pumps, thermostats and water flow, and acquire the practical skills required to service these cooling systems. You will study the operation of the lower gear case used on outboard engines and learn how to service the gear sets, shifting mechanisms and pressure testing.

MRNE 120 Power Boat and Trailer Rigging

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MRNE 210

You will learn the techniques for rigging boats and setting-up and servicing trailers.

MSON 100 Mortars, Grouts and Adhesives

Credit Units: 3.0 Course Hours: 45.0

You will become familiar with mortar, grout, concrete, and adhesives. You will discuss the properties, characteristics, uses, and the procedure for mixing and handling. You will learn how to identify building code requirements related to mortars, grouts, and concrete. The course will include mixing techniques and performing mortar joint finishes.

MSON 101 Miscellaneous Masonry

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): MSON 100

You will explore various masonry topics such as piling, pilasters, architectural trends, maintenance and cleaning, insulation and vapor barriers. The proper design and material usage will be discussed. You will also study the various styles of masonry anchors.

MSON 102 Reinforced Masonry

Credit Units: 2.0 Course Hours: 30.0

You will explore the principles, uses, materials and placement of reinforced masonry. You will also learn about grouting and building code requirements.

MSON 103 Site Layout

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): SAFE 107, SCAF 103

You will focus on proper set-up techniques and organizing the job site through using principles of safety and efficiency.

MSON 107 Layout and Fundamental Tasks

Credit Units: 3.0 Course Hours: 45.0

You will determine elevations using optical levels and levelling rods. You will learn basic techniques for jobsite preparation, laying out a building and laying out a masonry wall. You will also identify cleaning and sealing procedures for masonry surfaces.

MSON 108 Building Enclosure and Substrate Preparation

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on the building enclosure and substrate preparation along with the basics of building science. You will learn the various components that make up the building enclosure along with their properties and characteristics. You will discuss installation procedures and code requirements for these components.

MSON 109 Masonry Systems 1 (Theory)

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): MSON 110

You will cover a broad range of masonry wall systems. You will gain a basic understanding of the design, layout, and construction of various masonry wall systems according to the National Building Code requirements.

MSON 110 Masonry Systems 1 (Shop)

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): MSON 109

You will use the knowledge from the Masonry Systems theory course to layout and construct various wall components and systems.

MTER 100 Medical Terminology

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): MTER 180

You will learn to use the prefixes, suffixes and combining forms from which medical terms are derived. You will also learn to use medical abbreviations.

MTER 180 Medical Terminology

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): MED 161

You will learn to use the prefixes, suffixes and combining forms from which medical terms are derived. You will also learn to use medical abbreviations.

MTER 180CE Medical Terminology

Credit Units: 1.0 Course Hours: n/a

You will learn to use the prefixes, suffixes and combining forms from which medical terms are derived. You will also learn to use medical abbreviations.

MTER 200 Medical Terminology

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): MED 161

You will learn the construction of medical words, including root words, combining forms, prefixes, and suffixes as they relate to body organization and systems. You will also learn medical abbreviations, anatomical terms, and general imaging, laboratory, pharmacology, and surgical terminology.

MTRX 100 Introduction to Mechatronics

Credit Units: 2.0 Course Hours: 30.0

You will build the mechanical portion of a predefined mechatronics project. You will produce predefined parts using Computer Numerical Control (CNC) and additive manufacturing equipment. You will assemble the interconnection to the predefined electronic control system. You will install the predefined project control software in a programming development environment.

MTRX 101 Mechatronics 2-Programming

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COMP 113, MTRX 100

Corequisite(s): MTRX 102

You will develop fundamental programming skills including creating algorithms and developing structured programs. You will construct modular programs, develop conditional and decision structures and develop loop structures. You will create programs to integrate mechanical and electronic systems.

MTRX 102 Mechatronics 3-Electronics

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COMP 113, MTRX 100

Corequisite(s): MTRX 101

You will learn the fundamentals of Direct Current (DC) and Alternating Current (AC) measurement and circuitry including Ohm's Law, power and series and parallel circuits. A laboratory program is an integral part of this course. You will use sensors, build data acquisition systems, apply logic control circuits, and use stepper motors in mechatronic systems.

MTRX 200 Manufacturing Networking Systems

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ELTR 287, MTRX 101

You will study background theory of networking fundamentals and the basics of managing engineering documentation. You will examine Ethernet technology in relation to its use in the Industrial Internet of Things (IIoT). You will learn the requirements to manage a system of computers in an engineering and manufacturing environment.

MTRX 201 Production Management and Mechatronics Project

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CAD 105, MACH 191, MTRX 101, MTRX 102, WELD 387

You will learn the concepts involved in growing a manufacturing-based company from a small business to a large operation. You will study facility analysis, ordering processes, and dealing with suppliers.

MULT 114 Web Development 3

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MULT 124*

You will be introduced to programming in JavaScript (JS). Your studies will include data types, variables, basic operations, decisions structures, looping structures, functions, and objects. You will also study the Document Object Model (DOM). You will use these elements to create interactive websites.

MULT 114CE Web Authoring 3-Javascript

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): MULT 124*

You will be introduced to programming in JavaScript (JS). Your studies will include data types, variables, basic operations, decisions structures, looping structures, functions, and objects. You will also study the Document Object Model (DOM). You will use these elements to create interactive websites.

MULT 120 Web Development 1

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): GRPH 260

You will learn the basics of web development. You will create webpages using Hypertext Markup Language (HTML) and Cascading Stylesheets (CSS). You will use industry-standard software to write code and publish webpages to your own web hosting service.

MULT 120CE Web Authoring 1-Basic HTML/CSS

Credit Units: 4.0 Course Hours: n/a

You will learn the basics of web development. You will create webpages using Hypertext Markup Language (HTML) and Cascading Stylesheets (CSS). You will use industry-standard software to write code and publish webpages to your own web hosting service.

MULT 122 Introduction to Animation

Credit Units: 3.0 Course Hours: 45.0

You will learn the theory and fundamentals of traditional animation. Your studies will place a focus on learning the basic principles of animation. Your studies will place a focus on learning the basic principles of animation. You will develop the skills and knowledge to create an animated short.

MULT 122CE Introduction to Animation

Credit Units: 3.0 Course Hours: n/a

You will learn the theory and fundamentals of traditional animation. Your studies will place a focus on learning the basic principles of animation. Your studies will place a focus on learning the basic principles of animation. You will develop the skills and knowledge to create an animated short.

MULT 123 3D Fundamentals 1

Credit Units: 3.0 Course Hours: 45.0

You will learn the basics of 3D modeling. Your studies will include 3D surfacing, mapping, lighting techniques, and simulation. You will develop the skills to produce an animated 3D scene.

MULT 124 Web Development 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MULT 120*

You will use intermediate Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) to create websites with a variety of layouts. You will learn how to build and publish interactive, media rich, and responsive websites. You will explore current website builders and Content Management Systems (CMS).

MULT 124CE Web Author2-Inter HTML/CSS-CMS

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): MULT 120*

You will use intermediate Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) to create websites with a variety of layouts. You will learn how to build and publish interactive, media rich, and responsive websites. You will explore current website builders and Content Management Systems (CMS).

MULT 125 Interactive Authoring 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MULT 120, MULT 124

You will learn how to use the basic components of interactive authoring software. Using a timeline, drawing tools, animation and imported graphics, you will develop the skills and knowledge to create and present an interactive project.

MULT 125CE Interactive Authoring 1

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): MULT 120, MULT 124

You will learn how to use the basic components of interactive authoring software. Using a timeline, drawing tools, animation and imported graphics, you will develop the skills and knowledge to create and present an interactive project.

MULT 126 Web Development Essentials

Credit Units: 3.0 Course Hours: 45.0

Your studies will prepare you to set up, configure and administer various types of servers for the Web, develop data integrity and backup plans, and appreciate security considerations for Web sites. You will research and develop an e-commerce implementation plan.

MULT 126CE Web Development Essentials

Credit Units: 3.0 Course Hours: n/a

Your studies will prepare you to set up, configure and administer various types of servers for the Web, develop data integrity and backup plans, and appreciate security considerations for Web sites. You will research and develop an e-commerce implementation plan.

MULT 127 Intermediate Flash

Credit Units: 4.0 Course Hours: 60.0

Building on your existing Flash knowledge and skills, you will learn advanced Flash features (including ActionScript programming to increase interactivity and to develop non-linear presentations).

MULT 127CE Intermediate Flash

Credit Units: 4.0 Course Hours: n/a

Building on your existing Flash knowledge and skills, you will learn advanced Flash features (including ActionScript programming to increase interactivity and to develop non-linear presentations).

MULT 128 Web Development 4

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MULT 114*

You will learn about the intricacies of front-end development by exploring several web design approaches. You will use Cascading Style Sheets (CSS) preprocessor, front-end frameworks, and JavaScript libraries to create advanced websites.

MULT 128CE Web Author4-Responsive Web Dev

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): MULT 114*

You will learn about the intricacies of front-end development by exploring several web design approaches. You will use Cascading Style Sheets (CSS) preprocessor, front-end frameworks, and JavaScript libraries to create advanced websites.

MULT 129 Treatments, Storyboards and Scripts

Credit Units: 1.0 Course Hours: 12.0

You will learn the skills required to efficiently plan production by writing treatments, storyboards and scripts.

MULT 130 Introduction to New Media

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): MULT 116

You will learn what new media are, their history, current trends and future possibilities.

MULT 130CE Introduction to New Media

Credit Units: 1.0 Course Hours: n/a

You will learn what new media are, their history, current trends and future possibilities.

MULT 131 Presentations

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): GRPH 102*, PHOT 100*

You will focus on using presentation software to enhance information presented in formal and informal settings. Your studies will help you acquire techniques to incorporate communication technology into presentations and develop more creative approaches to presenting information.

MULT 133 Project Development

Credit Units: 2.0 Course Hours: 24.0

You will practice the practical and theoretical skills needed to develop and design an interactive project.

MULT 133CE Project Development

Credit Units: 2.0 Course Hours: n/a

You will practice the practical and theoretical skills needed to develop and design an interactive project.

MULT 201 Video Production Using Still Images

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AUDI 200, VDEO 200, VDEO 203

You will learn the unique production techniques for bringing “life” to still images in a video production. These techniques are often used when a source video is not available or when still imagery better suits the communication of the message. These effective techniques are used in photo montages and presentations such as documentary, memorial and wedding programs in order to make the viewing experience more interesting and engaging.

MULT 202 Motion Graphics and Visual Effects

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): VDEO 202, VDEO 203

You will learn to use motion graphics software. You will create effective compositions for use in video productions and other applications such as digital signage. You will use visual effects, motion graphics, and compositing techniques to enhance the visual impact of video projects.

MULT 202CE Motion Graphics and Visual Effects

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): VDEO 202, VDEO 203

You will learn to use motion graphics software. You will create effective compositions for use in video productions and other applications such as digital signage. You will use visual effects, motion graphics, and compositing techniques to enhance the visual impact of video projects.

MULT 203 Introduction to DVD Authoring

Credit Units: 2.0 Course Hours: 24.0

You will learn the basics of preparing a DVD. You will study the DVD format and the processes involved in creating a completed DVD from encoding the source material through to burning the final disc.

MULT 204 Interactive Authoring 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MULT 125, MULT 114

You will create an interactive application using basic toolsets, custom media and scripting. The final project will be an interactive website, game, or interactive educational learning module.

MULT 205 Content Management Systems

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 103*, MULT 128*

You will learn about Content Management Systems (CMS) for managing large, interactive web sites. You will select an appropriate CMS and modify the content and interface to build custom projects.

MULT 205CE Customize Content Mgmt Systems

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): DSGN 103*, MULT 128*

You will learn about Content Management Systems (CMS) for managing large, interactive web sites. You will select an appropriate CMS and modify the content and interface to build custom projects.

MULT 206 Advanced DVD Authoring

Credit Units: 2.0 Course Hours: 24.0

Prerequisite(s): MULT 203

You will learn the additional skills and techniques needed to create advanced DVDs. Your studies will include advanced menu systems, multiple angle (video) tracks and multiple audio tracks.

MULT 207 Alternate Delivery Platforms

Credit Units: 2.0 Course Hours: 27.0

You will learn how to develop content deliverable via alternate delivery platforms (such as cell phones and personal digital assistants - PDAs). You will research emerging technologies, discuss your findings and create content suitable for delivery over alternate platforms.

MULT 208 Emerging Interactive Technologies

Credit Units: 3.0 Course Hours: 45.0

You will research and discuss the use, impact, capabilities, and limitations of emerging technologies. Studies will include how industry adopts new technology, and how it impacts you as a digital design and development professional.

MULT 208CE Emerging Interactive Technologies

Credit Units: 2.0 Course Hours: n/a

You will research and discuss the use, impact, capabilities, and limitations of emerging technologies. Studies will include how industry adopts new technology, and how it impacts you as a digital design and development professional.

MULT 209 Introduction to Learning Management Systems

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): MULT 205

You will be introduced to the learning management systems used to manage the delivery of Web-based training material. You will become familiar with the various modules and learn how to prepare, upload and manage the content.

MULT 210 Introduction to Portable Document Format (pdf)

Credit Units: 2.0 Course Hours: 24.0

You will learn how to create portable document format (pdf) files. You will create pdf files, edit existing pdf files, add hyperlinks, create forms and adjust compression options.

MULT 210CE Introduction to Portable Document Format (pdf)

Credit Units: 2.0 Course Hours: n/a

You will learn how to create portable document format (pdf) files. You will create pdf files, edit existing pdf files, add hyperlinks, create forms and adjust compression options.

MULT 211 Dynamic Flash Applications

Credit Units: 2.0 Course Hours: 25.0

Prerequisite(s): COMP 205

Using Flash, you will learn how to create effective and media-rich user interfaces for sophisticated Web-based applications. You will also learn how to retrieve, display, collect and submit data. You will demonstrate your skills by completing a project.

MULT 212 3D Fundamentals 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MULT 123

Using 3D printing theory, popular modeling and printing software, you will learn to design, model, refine, and print decorative and functional 3D objects. The objects created in this course will have practical business and entertainment applications.

MULT 213 Web Development 5

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MULT 128*

You will learn the principles of asynchronous JavaScript. You will create dynamic webpages that use asynchronous JavaScript to request and change content.

MULT 214 Web Authoring 6

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MULT 213*, COMP 264*

You will expand your JavaScript knowledge by exploring popular frameworks to create and deploy custom web applications.

MULT 215 Immersive Technologies 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MULT 123

In this course, you will draw upon your existing skill set to bring content into game engine software that is used to create immersive experiences. Studies will include learning the essential skills you need to build immersive user experiences, including lighting, effects, visual scripting, and optimizing the performance for your projects for distribution.

MULT 216 Immersive Technologies 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MULT 215*

In this course, you will learn more about immersive experiences. This will include integrating virtual reality (VR) into 3D environments, overlaying digital 3D space on real space using augmented reality (AR), and leveraging devices specifically designed for immersion. You will also study immersive prototyping, interface design, and immersive best practices and considerations.

MULT 217 Creative Computing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MULT 114*

In this course, you will learn how to use JavaScript libraries to create interactive graphics, animations, and projects. You will learn how to evaluate the creative potential of different programming techniques and tools, and understand the implications of creative computing on society, culture, and industry. By the end of the course, you will be able to analyze, apply, and evaluate programming concepts, as well as create interactive projects using user input and data.

MUNI 200 Municipal Structures and Governance

Credit Units: 4.0 Course Hours: 60.0

Saskatchewan municipalities administer land, infrastructure, and regulation. Through a study of the fundamental functions of a local government, you will learn about the importance of municipal structures and governance when carrying out these duties. You will consider the unique challenges of administering cities, rural, or northern municipalities. You will also review the important advisory role played by municipal government organizations.

MUNI 201 Municipal Administration

Credit Units: 4.0 Course Hours: 60.0

Local governments are responsible for delivering important community services. Strategizing for optimal results, you will be addressing current issues with municipal service delivery strategies. Key among these is the challenge of financing municipal projects. You will develop an understanding of the principles of political acumen.

MUNI 202 Municipal Legislation

Credit Units: 3.0 Course Hours: 45.0

Analyzed through the unique perspective of a municipality, your studies will focus on the procedure and laws unique to municipal government. You will examine concepts related to a municipality's authority given by Municipalities Act and other statute law, case law, and directives of the province. Students will examine democratic values in local government, including the roles and responsibilities of elected officials, solicitors, and administrative staff within a legal context.

MUNI 220 Municipal Infrastructure

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HYDR 221, CADD 125

You will plan and design municipal infrastructures. You will review existing design compliance with current development bylaws. You will design a storm and sanitary sewer for the given network.

MVNT 200 Mine Ventilation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MINE 111

Corequisite(s): FMEC 200

You will learn the basic theory and concepts of mine ventilation, mine environment and ventilation controls. You will apply ventilation formulas given specific factors. Your studies will include how to deal with confined space safety considerations.

MVNT 201 Mine Ventilation Planning and Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FMEC 200, MVNT 200

You will apply the theories and concepts of mine ventilation, mine environment and ventilation controls to mine ventilation problem solving and design. You will use ventilation software to validate these theories and concepts.

Course Descriptions N

NAIL 010 Nail Enhancements

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): NAIL 101*

You will learn artificial nail services for fashion conscious clients. This course will teach you the many types of artificial nail extensions, nail art, nail maintenance and repair.

NAIL 010CE Nail Enhancements

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): NAIL 101*

You will learn artificial nail services for fashion conscious clients. This course will teach you the many types of artificial nail extensions, nail art, nail maintenance and repair.

NAIL 100 Introduction to Manicures and Pedicures

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SANT 108*

Equivalent Course(s): NAIL 101

You will develop an understanding of the anatomy of hands and feet. Your studies will help you acquire an understanding of hand and nail care, diseases and disorders. You will practice giving manicures and pedicures.

NAIL 101 Manicures and Pedicures

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SANT 010* or SANT 110*

You will develop an understanding of the anatomy of hands and feet, hand and nail care, disease and disorders. Your studies will help you learn specialized techniques and treatments to offer to your manicure and pedicure clients. You will practice manicures, pedicures and treatments.

NAST 102 Indigenous Studies

Credit Units: 3.0 Course Hours: 45.0

You will receive an introduction to First Nations and Metis Nations peoples in Canada. You will examine historical and current issues that affect Aboriginal peoples. You will explore racism and will develop an understanding of how self-awareness impacts helping relationships.

NAST 102CE Indigenous Studies

Credit Units: 3.0 Course Hours: n/a

You will receive an introduction to First Nations and Metis Nations peoples in Canada. You will examine historical and current issues that affect Aboriginal peoples. You will explore racism and will develop an understanding of how self-awareness impacts helping relationships.

NAST 103 Introduction to Indigenous Studies

Credit Units: 1.0 Course Hours: 15.0

You will receive an introduction to the Indigenous cultural groups within Saskatchewan. You will learn about the colonization of Indigenous peoples by the Canadian state. Your studies will help you discuss current issues and explore possible solutions.

NAST 103CE Introduction to Indigenous Studies

Credit Units: 1.0 Course Hours: n/a

You will receive an introduction to the Indigenous cultural groups within Saskatchewan. You will learn about the colonization of Indigenous peoples by the Canadian state. Your studies will help you discuss current issues and explore possible solutions.

NAST 141 Overview Of Indigenous Peacekeeping And First Nations Community Policing

Credit Units: 2.0 Course Hours: 30.0

You will examine the history of European Indigenous relations with a view to understanding the current relationships and the challenges inherent within this historical landscape. You will study the evolution of First Nation's community policing with emphasis on self administered and community tripartite agreements. You will also examine the traditional role of peacekeepers and their contemporary role in maintaining community safety.

NAST 142 First Nations Governance Studies

Credit Units: 1.0 Course Hours: 15.0

You will understand the framework for the development of First Nations governance systems, models of self-determination and law making. You will examine the history of the constitutional and legal foundations for self-government in Canada, identify actors, institutions and processes of public policy development and administrative governance for First Nations. You will also explore practices of community governance in First Nations communities.

NAST 143 Implementation of Indigenous Peacekeeping

Credit Units: 1.0 Course Hours: 15.0

You will explore the concepts of adversarial and restorative justice approaches in First Nations communities and identify established protocols with police services.

NAST 290 Indigenous Studies 1

Credit Units: 3.0 Course Hours: 45.0

You will examine historical events that have impacted First Nations, Inuit and Metis people in Canada with a goal to understanding contemporary issues. You will explore the role Indigenous people have played in the development of Canadian society, including their struggles to preserve their cultures and inherent rights.

NAST 291 Indigenous Studies 2

Credit Units: 3.0 Course Hours: 45.0

You will focus on the contemporary issues impacting First Nations, Inuit and Metis people in Canada. You will explore the role Aboriginal peoples have played in the securing of Aboriginal rights and their ongoing efforts of decolonization.

NAST 30 Native Studies 30

Credit Units: 1.0 Course Hours: 100.0

Learners will dig deeply into Canada's history, focusing in on the story of our Indigenous peoples. They will explore Canada's inconvenient truths around nation-building, social stereotypes, and the prevalent myths concerning Indigenous peoples. Learners will trace political and social activism. Knowing the causes and effects of shifting relationships, power and authority will prepare learners to better understand the present-day challenges facing Indigenous peoples and grow their understanding of the circumstances today that are renewing and moving that relationship forward in the spirit of reconciliation. The course invites learners to demonstrate their understanding in a variety of ways; pose questions and make real-world connections with the content. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

NAST 30CE Native Studies 30

Credit Units: 1.0 Course Hours: n/a

Learners will dig deeply into Canada's history, focusing in on the story of our Indigenous peoples. They will explore Canada's inconvenient truths around nation-building, social stereotypes, and the prevalent myths concerning Indigenous peoples. Learners will trace political and social activism. Knowing the causes and effects of shifting relationships, power and authority will prepare learners to better understand the present-day challenges facing Indigenous peoples and grow their understanding of the circumstances today that are renewing and moving that relationship forward in the spirit of reconciliation. The course invites learners to demonstrate their understanding in a variety of ways; pose questions and make real-world connections with the content. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

NGTN 600 Negotiation Skills

Credit Units: 3.0 Course Hours: 45.0

You will develop negotiation skills needed for interactions with suppliers, customers, and multiparty arrangements in the supply chain industry. You will learn about stages of negotiations, sources of influence, and how to prepare and conduct the negotiations. In addition you will become familiar with various factors that impact negotiations including emotional and practical applications.

NRSG 100 Promotion of Psychiatric Nursing Praxis

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to concepts of self that are central to the profession of psychiatric nursing. You will use critical reflection and synthesis to focus on developing the skills and attitudes expected of effective registered psychiatric nurses.

NRSG 101 Introduction to Psychiatric Nursing Concepts

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to core concepts of the psychiatric nursing profession. You will study the governing legislation and the curriculum framework as well as major influences and trends that contribute to the psychiatric nursing profession. You will learn about health and mental health literacy and the importance of health teaching and learning strategies for all populations across the lifespan.

NRSG 102 Foundations of Psychiatric Nursing Practice

Credit Units: 6.0 Course Hours: 91.0

Equivalent Course(s): NEPS 115, NURS 238

You will focus on the theory of wholistic psychiatric nursing care related to specific health challenges of the older adult. You will be introduced to concepts of mental health promotion, illness prevention, safety, clinical decision-making, documentation and self-care. You will have an opportunity to apply fundamental psychiatric nursing skills in a practice setting.

NRSG 103 Nursing in Canada

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on nursing in Canada. You will describe health and healthcare in Canada. You will discuss the foundations of nursing practice in Canada. You will appraise the roles and responsibilities of registered nurses in Saskatchewan. You will examine approaches to nursing care. You will distinguish nursing considerations for Indigenous and culturally diverse clients. You will analyze evidence-informed nursing practice and nursing research. You will examine nursing leadership and collaborative practice. You will examine trends in nursing practice.

NRSG 104 Health Assessment

Credit Units: 4.0 Course Hours: 60.0

You will learn how to conduct a systematic holistic health assessment, and how to adapt your health assessment techniques across the lifespan. You will demonstrate a modified head-to-toe assessment, applicable in any clinical practice education setting.

NRSG 104CE Health Assessment

Credit Units: 4.0 Course Hours: n/a

You will learn how to conduct a systematic holistic health assessment, and how to adapt your health assessment techniques across the lifespan. You will demonstrate a modified head-to-toe assessment, applicable in any clinical practice education setting.

NRSG 105 Community Health Nursing

Credit Units: 3.0 Course Hours: 45.0

You will discuss the history, foundations, and health promotion strategies of community health nursing. You will examine the roles of the community health nurse in various settings. You will apply the nursing process to community health nursing. You will learn to provide culturally competent care to Indigenous and non-Indigenous Canadians. You will identify issues and trends in community health nursing.

NRSG 106 Mental Health Nursing

Credit Units: 3.0 Course Hours: 45.0

You will articulate foundational theories and concepts of mental health as they pertain to Indigenous and non-Indigenous Canadians. You will analyze the anatomy and physiology of the brain in relation to mental health, and plan nursing care for clients experiencing psychobiological disorders. You will manage pharmacological interventions and examine nursing care to support mental health across the lifespan. You will then discuss a nursing care plan for a client experiencing a mental health crisis.

NRSG 106CE Mental Health Nursing

Credit Units: 3.0 Course Hours: n/a

You will articulate foundational theories and concepts of mental health as they pertain to Indigenous and non-Indigenous Canadians. You will analyze the anatomy and physiology of the brain in relation to mental health, and plan nursing care for clients experiencing psychobiological disorders. You will manage pharmacological interventions and examine nursing care to support mental health across the lifespan. You will then discuss a nursing care plan for a client experiencing a mental health crisis.

NRSG 107 Maternal-Newborn Nursing

Credit Units: 3.0 Course Hours: 45.0

You will discuss the foundational concepts of maternal-newborn nursing and review the human reproductive systems and considerations related to human reproduction. You will discuss the management of nursing care to support clients while pregnant; clients during labor, birth and postpartum; as well as support for at risk childbearing and newborn clients.

NRSG 107CE Maternal-Newborn Nursing

Credit Units: 3.0 Course Hours: n/a

You will discuss the foundational concepts of maternal-newborn nursing and review the human reproductive systems and considerations related to human reproduction. You will discuss the management of nursing care to support clients while pregnant; clients during labor, birth and postpartum; as well as support for at risk childbearing and newborn clients.

NRSG 108 Pediatric Nursing

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PHAR 202

You will examine the growth and development, and the nurse's role in caring for children from birth to adolescence. You will promote foundations of pediatric nursing. You will formulate nursing care for pediatric clients experiencing a wide range of health alterations in the following systems: respiratory, cardiovascular, gastrointestinal, genitourinary, endocrine, hematological, neoplastic, infectious, immunologic, neurologic, neuromuscular, musculoskeletal, genetic, cognition, behavior, development, sensory, and integumentary.

NRSG 108CE Pediatric Nursing

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): PHAR 202

You will examine the growth and development, and the nurse's role in caring for children from birth to adolescence. You will promote foundations of pediatric nursing. You will formulate nursing care for pediatric clients experiencing a wide range of health alterations in the following systems: respiratory, cardiovascular, gastrointestinal, genitourinary, endocrine, hematological, neoplastic, infectious, immunologic, neurologic, neuromuscular, musculoskeletal, genetic, cognition, behavior, development, sensory, and integumentary.

NRSG 109 Interpersonal Partnerships

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): NRSG 233

You will be introduced to the concept of relational practice in nursing. You will learn how to establish therapeutic relationships and apply therapeutic use of self. You will practice communication, interpersonal skills, critical thinking, and critical reflection in a peer-to- peer practice setting.

NRSG 110 Foundations of Nursing Practice

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): NRSG 102

You will be introduced to theories and foundations of holistic nursing practice across the lifespan. You will learn how health interrelates with disease, illness, and wellness. You will become familiar with the nursing process as you study concepts of health promotion, illness prevention, illness detection, safety, and clinical decision-making.

NRSG 111 Medical/Surgical Nursing Skills 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 110*

You will study types of microorganisms, their characteristics, and the relationship between the chain of infection, transmission of infection, and agents used to control microbial growth. You will describe differences between prions, viroids, viruses, bacteria, fungi, and parasites. You will demonstrate fundamental psychomotor nursing skills in a simulated lab setting.

NRSG 112 Pathophysiology

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to physiological illnesses across the lifespan. You will study organ system dysfunction and homeostatic imbalance, and the importance of nutrition. You will study hemodynamic monitoring, lab value analysis, and surgical principles.

NRSG 113 Medical/Surgical Nursing Skills 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BIOL 102, CLIN 107, NRSG 110, NRSG 111

You will integrate the relationship between the chain of infection, the transmission of infection, and agents used to control microbial growth while practicing psychomotor skills. You will demonstrate intermediate and advanced psychomotor skills in a simulated lab setting.

NRSG 114 General Pharmacology

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): BIOL 102, NRSG 110, NRSG 113*

You will study a variety of medication classifications with a focus on the principles of safe medication administration and drug dose calculations. You will study pharmacotherapeutics, pharmacokinetics, pharmacodynamics, and related nursing interventions. You will mix parenteral medications in a simulated lab setting.

NRSG 120 Fundamentals of Canadian Nursing Communication

Credit Units: 3.0 Course Hours: 45.0

You will study the importance of therapeutic communication skills for Canadian nurses. You will recognize commonly used medical terminology and apply the principles of basic communication skills in an interprofessional healthcare setting. You will identify the concepts of health teaching and conflict management skills in dealing with clients and their families.

NRSG 120CE Fundamentals of Canadian Nursing Communication

Credit Units: 4.0 Course Hours: n/a

You will study the importance of therapeutic communication skills for Canadian nurses. You will recognize commonly used medical terminology and apply the principles of basic communication skills in an interprofessional healthcare setting. You will identify the concepts of health teaching and conflict management skills in dealing with clients and their families.

NRSG 200 Health Assessment 1

Credit Units: 3.0 Course Hours: 45.0

Health Assessment 1 is the first of two courses that focus on the theory related to physical assessment. You will study interviewing techniques, history taking and a head-to-toe physical assessment. You will learn about assessment of the integumentary system, head and neck, breasts and axillae, lungs and thorax, and cardiovascular, peripheral vascular and lymphatic systems.

NRSG 201 Health Assessment 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): NRSG 200*

Building on the theory you learned in NRSG 200 (Health Assessment 1), you will continue to study the assessment of body systems. The course content includes assessment of the abdomen, musculoskeletal system, neurological system, male and female genitalia and rectum, adapting techniques of health assessment to other age groups and psychological and sociocultural assessment.

NRSG 202 Issues and Trends in Professional Nursing 1

Credit Units: 2.0 Course Hours: 30.0

You will be reintroduced to the theory related to professional nursing, including the evolution of nursing, teaching and learning, critical thinking, decision- making and the nursing process, and reporting and recording in nursing. This is the first of two courses where you will focus on issues and trends in professional nursing

NRSG 203 Issues and Trends in Professional Nursing 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 170*

You will examine how nursing has changed since you last worked as a nurse. You will learn about new roles nurses have acquired, the role nurses play in the research process, the use of research in clinical decision making, and the importance of continuing professional development in nursing. You will increase your knowledge of legal and ethical issues facing nurses today. You will review communications techniques and learn about conflict management and resolution. You will also increase your knowledge of leadership and inter-professional practice and the systems approach to patient safety.

NRSG 204 Perspectives in Community Nursing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 201*, NRSG 202*

You will be introduced to the role nurses have in primary health care. You will learn how nurses influence the determinants of health to improve the health of Canadians. You will acquire knowledge about establishing the culture of patient safety. You will be reintroduced to infection control and how communicable diseases such as SARS and AIDS have impacted this area. You will acquire knowledge about how you can be sensitive to the diversity of your clients and learn more about all cultures including First Nations cultures and their traditional health care practices. You will also explore basic concepts in mental health nursing.

NRSG 205 Mental Health Nursing

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): NRSG 203*, NRSG 204*, PHAR 200*

You will apply the nursing process to the care of clients and their families who are experiencing a variety of mental health alterations in acute and community care. You will apply ethical and legal concepts in mapping safe and effective mental health nursing care.

NRSG 206 Nursing Re-entry Lab 1

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): NRSG 204

You will review and practice basic nursing skills (including body mechanics, ambulation, transfers and lifts). You will also review and practice skills related to medical asepsis (including hand washing and isolation techniques). You will also have an opportunity to apply the theory you learned in NRSG 200 (Health Assessment 1) and NRSG 201 (Health Assessment 2) related to general physical assessment techniques and the physical assessment for designated body systems.

NRSG 207 Nursing the Childbearing Family

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PHAR 200*

You will examine the various aspects of pregnancy and the newborn. You will examine the concept of family and review reproductive life planning.

NRSG 208 Child Health Nursing

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): PHAR 200*

You will explore the nursing care required to support infants, children and adolescents (and their families) experiencing common health alterations. You will review the growth and development of children from birth to 19 years. You will learn principles of child health nursing with the client as a partner to enhance patient safety.

NRSG 209 Adult Health Nursing 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): NRSG 205*

Your studies will focus on the concepts of growth and development of the adult from 20 to 64 years, inflammation and infection, the immune response and cell aberration. The course content includes fluid and electrolyte and acid/base balances and imbalances. You will examine the nursing care required to support adult clients (and their families) undergoing surgery and experiencing health alterations related to fluid and gas transport.

NRSG 210 Adult Health Nursing 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 200*

You will apply the knowledge you gained in NRSG 209 (Adult Health Nursing 1) as you explore the nursing care required to support adult clients (and their families) experiencing health alterations related to metabolic functioning, digestion and elimination, cell aberration, reproduction and sexuality, defense and protection.

NRSG 211 Nursing the Older Adult

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 210*

You will explore the nursing care required to support older adults (and their families) experiencing common health alterations and loss, grief and/or death. You will review the growth and development of the older adult. You will explore issues related to older adults (including the healthy adaptive older person, the effects of ageism, elder abuse and neglect, the caregiver role and institutionalization). You will examine drug-related issues affecting older adults.

NRSG 212 Nursing Re-entry Lab 2

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): CLIN 200*

You will review and practice nursing skills related to surgical asepsis, oxygenation, digestion and elimination, and medication administration.

NRSG 221 Adult Health Nursing

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PHAR 202

You will focus on nursing care required to support clients facing surgery, experiencing cancer and undergoing alterations in immune function. You will also examine the nursing care required to support clients experiencing a wide range of health alterations in cardiovascular, peripheral vascular, metabolic, digestive, oxygenation, neurological, psychosocial, sexuality and reproduction, and musculoskeletal systems.

NRSG 221CE Common Health Challenges

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PHAR 202

You will focus on nursing care required to support clients facing surgery, experiencing cancer and undergoing alterations in immune function. You will also examine the nursing care required to support clients experiencing a wide range of health alterations in cardiovascular, peripheral vascular, metabolic, digestive, oxygenation, neurological, psychosocial, sexuality and reproduction, and musculoskeletal systems.

NRSG 222 Gerontological Nursing

Credit Units: 3.0 Course Hours: 45.0

You will study the growth and development of elderly clients, considering how nurses can assist the elderly and their caregivers to achieve healthy aging. Nursing care required to support elderly clients with issues related to medications, psychosocial health, complex health needs, and loss and grief will also be discussed.

NRSG 222CE Caring for the Elderly Client

Credit Units: 2.0 Course Hours: n/a

You will study the growth and development of elderly clients, considering how nurses can assist the elderly and their caregivers to achieve healthy aging. Nursing care required to support elderly clients with issues related to medications, psychosocial health, complex health needs, and loss and grief will also be discussed.

NRSG 223 Clinical Skills Lab

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): NRSG 104, PHAR 202

You will learn to practice the nursing skills and assessments required for each body system. You will demonstrate competence in theoretical and practical knowledge in nursing, as well as safely administer medications, blood, and blood products. Finally, you will consolidate your learning by performing an objective structured clinical examination (OSCE).

NRSG 223CE Clinical Skills Lab

Credit Units: 5.0 Course Hours: n/a

Prerequisite(s): NRSG 104, PHAR 202

You will learn to practice the nursing skills and assessments required for each body system. You will demonstrate competence in theoretical and practical knowledge in nursing, as well as safely administer medications, blood, and blood products. Finally, you will consolidate your learning by performing an objective structured clinical examination (OSCE).

NRSG 233 Interpersonal Partnerships

Credit Units: 3.0 Course Hours: 52.0

Prerequisite(s): NRSG 100, NRSG 101, NRSG 102, (NEPS 118 or APHY 162), (NEPS 212 or MICR 159, MICR 161)

You will acquire the knowledge to develop the skills needed to establish therapeutic relationships and to conduct effective individual interviews. You will have an opportunity to practice communication skills, essential interpersonal elements, critical thinking and critical reflection in a practice setting.

NRSG 234 Physical Assessment

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BIOL 102, CLIN 107, NRSG 100, NRSG 101, NRSG 110, NRSG 111, BIOL 103*, NRSG 109*

Equivalent Course(s): NEPS 221

You will gain the knowledge and skills needed to complete a health history and holistic assessment of healthy individuals, which includes cultural, ethnic, social, and spiritual considerations. You will collect subjective and objective data in a simulated lab setting and report and document your findings.

NRSG 235 Aboriginal Studies 1

Credit Units: 3.0 Course Hours: 39.0

Prerequisite(s): NRSG 100, NRSG 101, NRSG 102, (NEPS 118 or APHY 162), (NEPS 212 or MICR 159, MICR 161)

Equivalent Course(s): SOCI 200, SOCI 261

You will be introduced to Aboriginal history and culture. You will explore the origins of Aboriginal populations, historical perspectives, Indian treaties, Indian policy, and the impact of these developments. Upon completion of this course, you will have gained an understanding of the Aboriginal culture.

NRSG 236 Introduction to Pharmacology

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): NRSG 233, NRSG 234, NRSG 235, (NEPS 119 or APHY 262), (NEPS 216 or PSYC 163)

Equivalent Course(s): NEPS 222, PHAR 160

You will develop knowledge of medications, the medication research process and patient safety. You will examine the history and future of psychopharmacology.

NRSG 237 Health and Healthcare Concepts

Credit Units: 3.0 Course Hours: 48.0

Prerequisite(s): NRSG 233, NRSG 234, NRSG 235, (NEPS 119 or APHY 262), (NEPS 216 or PSYC 163)

Equivalent Course(s): NEPS 291, NURS 293

You will be introduced to selected physical illnesses and psychiatric disorders of the older adult, concepts of psychiatric co-morbidity with medical diagnosis and selected interpersonal interventions. You will have the opportunity to explore concepts of wholistic psychiatric nursing care related to selected health challenges.

NRSG 238 Individual Partnerships

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 108, SOCI 171

You will study effective professional helping skills with individuals. You will be introduced to evidence-based psychological interventions, selected theories of counselling, and several counselling approaches and strategies. You will apply this theory in a peer-to-peer practice setting.

NRSG 239 Addictions

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 214, NRSG 238, NRSG 240, NRSG 241, PSYC 163

You will study addictions across the lifespan and be introduced to bio-psychosocial theories, the Four Pillars strategy, and assessment, screening, and diagnostic tools. You will examine psychiatric nursing interventions, treatments, and concepts in health promotion with diverse cultures.

NRSG 240 Psychotropic Pharmacology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 108, SOCI 171

You will be introduced to the concepts of psychopharmacology. You will study pharmacotherapeutics, pharmacokinetics, and pharmacodynamics of psychotropic medications and related nursing interventions.

NRSG 241 Psychiatric Nursing Assessment and Interventions 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 108, SOCI 171, NRSG 240*, PSYC 163*

You will focus on the psychiatric nursing assessment and interventions of psychiatric disorders across the lifespan. You will be introduced to the concepts of psychological and spiritual health, as well as sociocultural components of Indigenous and non-Indigenous peoples.

NRSG 242 Group Partnerships

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 214, NRSG 238, NRSG 240, NRSG 241, PSYC 163

You will be introduced to the foundations of group counselling. You will study group theory and group process. You will demonstrate group facilitation skills in a peer-to-peer practice setting.

NRSG 243 Children and Adolescents

Credit Units: 3.0 Course Hours: 38.0

Prerequisite(s): CLIN 214

You will be introduced to selected theory of common psychiatric, developmental and social disorders of children and adolescents. You will be provided the opportunity to explore selected models of assessment and psychiatric nursing interventions.

NRSG 244 General Pharmacology

Credit Units: 2.0 Course Hours: 37.0

Prerequisite(s): CLIN 214

Equivalent Course(s): NEPS 223, PHAR 264

You will build upon the pharmacology concepts from Term 3 and Term 4 of the Psychiatric Nursing program. You will be provided with further opportunity to explore and assess selected pharmacotherapeutics and other related nursing interventions.

NRSG 245 Health and Mental Health Literacy

Credit Units: 2.0 Course Hours: 26.0

Prerequisite(s): CLIN 214

You will be introduced to concepts of teaching and learning. You will examine a literacy model and develop strategies to support mental health literacy across selected populations.

NRSG 246 Family Partnerships

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 214, NRSG 238, NRSG 240, NRSG 241, PSYC 163

You will learn family theory, family assessment tools, and psychiatric nursing interventions that will prepare you to work with diverse families. You will learn about forms of family violence along with other issues that affect families. You will develop strategies to improve an individual's functioning within the context of a family and have the opportunity for experiential learning through practice.

NRSG 247 Forensics

Credit Units: 3.0 Course Hours: 45.0

You will study the role of the psychiatric nurse in a forensic environment. You will examine professionalism, forensic culture and subculture, psychiatric nursing assessment, and intervention protocols. You will study the theory of care, custody, and control in forensic settings.

NRSG 248 Community Partnerships

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 215, NRSG 238, NRSG 239, NRSG 240, NRSG 241

You will study community theory and assessment tools. You will examine psychiatric nursing roles and interventions that will prepare you to work with individuals in diverse communities. You will also develop strategies for community improvement.

NRSG 249 Professional Development

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): CLIN 216

You will examine the concepts of interdisciplinary practice, leadership, professional practice transition issues and professional self-care. You will be introduced to the theory of portfolio development and be afforded the opportunity to create an E-Portfolio.

NRSG 250 E-mentoring

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): CLIN 216

You will be introduced to mentorship and have the opportunity to collaboratively partner with a Registered Psychiatric Nurse (RPN) mentor. You will use enhanced technology to reflect upon and document your mentorship experience.

NRSG 252 Patient Safety

Credit Units: 3.0 Course Hours: 45.0

Your studies will include exploring the concept of creating a culture of safety and the importance of communication in patient safety. You will also examine current trends and identify priority areas relevant to patient safety. You will also explore quality improvement initiatives and interpret research pertinent to patient safety.

NRSG 252CE Patient Safety

Credit Units: 2.0 Course Hours: n/a

Your studies will include exploring the concept of creating a culture of safety and the importance of communication in patient safety. You will also examine current trends and identify priority areas relevant to patient safety. You will also explore quality improvement initiatives and interpret research pertinent to patient safety.

NRSG 253 Community Nursing

Credit Units: 2.0 Course Hours: 30.0

You will focus your studies on concepts that relate to community nursing. You will review the principles of primary health care and explore emerging community health trends in Saskatchewan. In addition, you will discuss concepts, challenges and nursing care related to community mental health, public health and home care.

NRSG 253CE Community Nursing

Credit Units: 2.0 Course Hours: n/a

You will focus your studies on concepts that relate to community nursing. You will review the principles of primary health care and explore emerging community health trends in Saskatchewan. In addition, you will discuss concepts, challenges and nursing care related to community mental health, public health and home care.

NRSG 254 IV Therapy/Blood and Blood Products Completer LPN

Credit Units: 1.0 Course Hours: 15.0

You will develop knowledge and skill related to intravenous therapy, the initiation of intravenous lines, intravenous medications, the use of intermittent access devices, blood and blood products, and blood administration. Your studies will include self-study theory, review exercises, simulation practice labs, performance testing, and a written exam.

NRSG 254CE IV Therapy/Blood and Blood Products Completer LPN

Credit Units: 1.0 Course Hours: n/a

Equivalent Course(s): NRSG 254

You will develop knowledge and skill related to intravenous therapy, the initiation of intravenous lines, intravenous medications, the use of intermittent access devices, blood and blood products, and blood administration. Your studies will include self-study theory, review exercises, simulation practice labs, performance testing, and a written exam.

NRSG 255 Nasogastric Tube Insertion Completer for LPN

Credit Units: 1.0 Course Hours: 15.0

You will develop knowledge and skill in assessing a client with a nasogastric tube. You will learn the skill of insertion, maintenance and removal of a nasogastric tube. Your studies will include self-study theory, review exercises, simulation practice lab and a written exam.

NRSG 255CE Nasogastric Tube Insertion Completer for LPN

Credit Units: 1.0 Course Hours: n/a

You will develop knowledge and skill in assessing a client with a nasogastric tube. You will learn the skill of insertion, maintenance and removal of a nasogastric tube. Your studies will include self-study theory, review exercises, simulation practice lab and a written exam.

NRSG 256 Tracheostomy Care Completer for LPNs

Credit Units: 1.0 Course Hours: 15.0

You will develop knowledge and skill regarding tracheostomy care. You will demonstrate the knowledge and ability to perform the required care of a person with a tracheostomy. Your studies will include self-study theory, review exercises, simulation practice lab and a written exam.

NRSG 256CE Tracheostomy Care Completer for LPNs

Credit Units: 1.0 Course Hours: n/a

You will develop knowledge and skill regarding tracheostomy care. You will demonstrate the knowledge and ability to perform the required care of a person with a tracheostomy. Your studies will include self-study theory, review exercises, simulation practice lab and a written exam.

NRSG 257 Professional Practice and Communication 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 105

You will examine the professional roles, ethical responsibilities and relationships of the practical nurse. You will explore nursing standards of practice, and concepts of professional development and reflective practice in the context of life-long learning. You will analyze conflict resolution in relation to personal and professional relationships, and examine nursing informatics and skills for professional employment.

NRSG 258 Addictions

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 105, SOCI 160

You will examine substance abuse and the physiological and psychological risks related to addiction. You will describe the processes of withdrawal and detoxification and examine the principles and application of the harm reduction model. You will examine addictions treatment models and describe the challenges of addictions treatment for patients with concurrent disorders. You will apply critical thinking and inquiry throughout the nursing process in addictions care.

NRSG 259 Psychiatric Nursing Assessment and Interventions 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 214, NRSG 238, NRSG 240, NRSG 241, PSYC 163

You will focus on psychiatric nursing assessment and interventions of psychiatric disorders across the lifespan. You will be introduced to comorbidity, relapse, and recovery concepts and will formulate plans of care.

NRSG 283 Cardiac Output and Perfusion in Critical Care

Credit Units: 3.0 Course Hours: 45.0

You will examine the concepts of cardiac output and coronary perfusion inclusive of anatomy and physiology, related assessments and diagnostics, alterations, and their management.

NRSG 284 Ventilation, Oxygenation, and Neurologic Perfusion in Critical Care

Credit Units: 3.0 Course Hours: 45.0

You will examine the concepts of ventilation and oxygenation and neurologic perfusion inclusive of anatomy and physiology, related assessments and diagnostics, alterations, and their management.

NRSG 285 Multisystem Perfusion in Critical Care

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 284

You will examine the concept of multisystem perfusion inclusive of anatomy and physiology, related assessments and diagnostics, alterations, and their management.

NRSG 286 Introduction to Critical Care Nursing within a Patient and Family-Centred Environment

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 233*

You will explore the impact of the critical care environment on the role, responsibilities, and experience of patients, families, the interdisciplinary team, and yourself. You will examine and learn to foster cultural safety, anti-racism, decolonization, and reconciliation in healthcare and the critical care environment.

NRSG 287 Foundations of Occupational Health Nursing

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the specialty role of the occupational health nurse. You will explore occupational health nursing as it relates to health in the workplace and inter-professional partnerships. You will examine legal and ethical considerations, occupational health and safety standards and frameworks for professional practice. You will develop a professional portfolio (as an assignment) related to occupational health nursing.

NRSG 287CE Foundations of Occupational Health Nursing

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the specialty role of the occupational health nurse. You will explore occupational health nursing as it relates to health in the workplace and inter-professional partnerships. You will examine legal and ethical considerations, occupational health and safety standards and frameworks for professional practice. You will develop a professional portfolio (as an assignment) related to occupational health nursing.

NRSG 288 Health Assessment and Health Promotion in Occupational Health Nursing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 287

You will relate the basic principles of health assessment including history taking and physical examination to occupational health nursing. You will relate the principles of health promotion to the occupational health environment. You will discuss specific alterations to health experienced in occupational health environments and the related health promotion.

NRSG 288CE Health Assessment and Health Promotion in Occupational Health Nursing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 287

You will relate the basic principles of health assessment including history taking and physical examination to occupational health nursing. You will relate the principles of health promotion to the occupational health environment. You will discuss specific alterations to health experienced in occupational health environments and the related health promotion.

NRSG 289 Work Environments and Health 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 287

You will be introduced to the basic principles of industrial hygiene, sometimes referred to as occupational hygiene. You will prepare to anticipate, recognize, evaluate and control workplace hazards. You will focus on issues such as occupational contamination, chemical, biological, radiation, and electrical hazards. Your assessment and treatment skills will be enhanced for related occupational disease and injuries.

NRSG 289CE Work Environments and Health 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 287

You will be introduced to the basic principles of industrial hygiene, sometimes referred to as occupational hygiene. You will prepare to anticipate, recognize, evaluate and control workplace hazards. You will focus on issues such as occupational contamination, chemical, biological, radiation, and electrical hazards. Your assessment and treatment skills will be enhanced for related occupational disease and injuries.

NRSG 290 Work Environments and Health 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 287, NRSG 289

You will prepare to anticipate, recognize, evaluate, and mitigate the effects of noise, thermal, ergonomic, confined spaces, respiratory and fire hazards. You will have the opportunity to become familiar with sampling techniques and equipment and you will prepare to assess and treat workers who encounter these hazards.

NRSG 290CE Work Environments and Health 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 287, NRSG 289

You will prepare to anticipate, recognize, evaluate, and mitigate the effects of noise, thermal, ergonomic, confined spaces, respiratory and fire hazards. You will have the opportunity to become familiar with sampling techniques and equipment and you will prepare to assess and treat workers who encounter these hazards.

NRSG 291 Disability Case Management in Occupational Health Nursing

Credit Units: 4.0 Course Hours: 64.0

Prerequisite(s): NRSG 287

You will be introduced to disability management as an essential component of an occupational health and safety program. Disability management starts at the time of illness or injury and continues until the individual has recovered and returned to work. You will acquire knowledge and skills to develop, implement, and market a disability management program including Workers' Compensation Board (WCB) claims information and return to work plans. You will focus on: worker assessment, accurate completion of reporting requirements and the creation of a disability management program.

NRSG 291CE Disability Case Management in Occupational Health Nursing

Credit Units: 4.0 Course Hours: 64.0

Prerequisite(s): NRSG 287

Equivalent Course(s): NRSG 291

You will be introduced to disability management as an essential component of an occupational health and safety program. Disability management starts at the time of illness or injury and continues until the individual has recovered and returned to work. You will acquire knowledge and skills to develop, implement, and market a disability management program including Workers' Compensation Board (WCB) claims information and return to work plans. You will focus on: worker assessment, accurate completion of reporting requirements and the creation of a disability management program.

NRSG 292 Occupational Health Nursing Lab

Credit Units: 1.0 Course Hours: 12.0

Prerequisite(s): NRSG 287, NRSG 288, NRSG 289, NRSG 290, NRSG 291, PROJ 205, SFTY 201, LEAD 202

You will be provided with an opportunity to apply theoretical learnings, enhance nursing assessment techniques, and demonstrate clinical practice skills in a simulated setting as they relate to the role of the occupational health nurse. You will demonstrate critical thinking, problem solving and collaboration with other health team members.

NRSG 292CE Occupational Health Nursing Lab

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): NRSG 287, NRSG 288, NRSG 289, NRSG 290, NRSG 291, PROJ 205, SFTY 201, LEAD 202

You will be provided with an opportunity to apply theoretical learnings, enhance nursing assessment techniques, and demonstrate clinical practice skills in a simulated setting as they relate to the role of the occupational health nurse. You will demonstrate critical thinking, problem solving and collaboration with other health team members.

NRSG 293 Fundamental Concepts of Emergency Nursing 1

Credit Units: 3.0 Course Hours: 45.0

You will explore emergency nursing as a specialty within the nursing profession. You will explore the unique nature of emergency nursing as primary episodic care of individuals across the lifespan who are experiencing health alterations. You will explore the concept of partnership with patient, families, and health care professionals in a fast paced, unpredictable, changing environment. You will explore how this unique environment affects your personal and professional self. You will discuss trends and issues that affect emergency care facilities, ultimately affecting patient care.

NRSG 294 Health Assessment and Diagnostics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 293

You will be introduced to the fundamental concepts of emergency nursing with an emphasis on pathophysiology, assessment and diagnostics by body system. You will explore the pathophysiology and management of pain in the context of all emergency care. You will consider special populations including pediatrics, geriatrics, bariatrics and obstetrics.

NRSG 295 Fundamental Concepts of Emergency Nursing 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 294

You will examine the pathophysiology, management and exit care for common non-traumatic emergencies with special consideration for pediatrics, geriatrics, bariatrics and obstetrics. You will examine the pathophysiology, management and exit care of shock, systemic inflammatory response syndrome (SIRS) and multiple organ dysfunction syndrome (MODS). You will examine the pathophysiology, management and exit care for patients with communicable diseases in the context of emergency care. You will explore mental health, toxicological emergencies, environmental emergencies, palliative and end of life care in the emergency setting.

NRSG 296 Specialty Concepts of Emergency Nursing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 295

You will be introduced to advanced concepts of emergency nursing including the principles of triage, trauma care, care of the critically ill patient with advanced ventilation, hemodynamic monitoring and pharmaceutical agents. You will examine emergency preparedness and disaster planning in the context of emergency nursing. You will examine forensic nursing and concepts of sexual assault. You will examine the concepts of stabilization and transport, both within and outside the facility and their impact on emergency care.

NRSG 297 Emergency Nursing Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 296

You will demonstrate the theory and principles of emergency nursing in the performance of specialized nursing skills. Selected psychomotor skills will be demonstrated, and you will practice them in a laboratory setting using authentic emergency scenarios. You will be required to demonstrate cultural competence for all scenarios in the nursing lab.

NRSG 298 Foundations 4 - Community Health

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 240, NURS 294, NRSG 257, NRSG 258, SOCI 201

You will examine the role of the practical nurse in the context of patient care in the community with a focus on Indigenous health. You will examine the health promotion model and apply the determinants of health through experiential learning with community agencies. You will examine the leadership role of the practical nurse and prepare for the transition from the role of student to that of a graduate practitioner. You will examine interprofessional collaboration and apply critical thinking and inquiry in the context of community health nursing.

NRSG 299 Variations in Health 4

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CLIN 240, NURS 294*, NRSG 257, NRSG 258, SOCI 201

You will examine the complex nursing care of patients with multi-system challenges and medical emergencies. You will plan ethical and competent holistic nursing care related to acute variations in health. You will apply concepts of safety critical thinking, and evidence informed practice in the delivery of patient care.

NRSG CNPP Collaborative Nurse Practitioner Program

Credit Units: 0.0 Course Hours: n/a

Placeholder course for Collaborative Nurse Practitioner Program (CNPP) delivered in collaboration with the University of Regina, Faculty of Nursing and Faculty of graduate studies and research.

NURS 010 Pain Management

Credit Units: 3.0 Course Hours: 45.0

This course begins with an overview of concepts related to pain including common misconceptions, epidemiology, and basic neurophysiology of pain. As nurses, you will learn how to work collaboratively with other health care professionals, accurately assess pain in your patients, as well as differentiate acute and chronic pain management techniques. Non-pharmacological pain management strategies are also discussed. You will examine pain management in pediatrics, older adults, and Indigenous populations. Opioid safety, the use of cannabis, and end of life pain management are some of the topics you will discuss in this course. You will complete this course armed with knowledge of effective evidence based nursing strategies for managing pain.

NURS 117 Introduction to Human Body Completion

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): (APHY 162, APHY 262) or (APHY 180, APHY 181, APHY 182)

This course builds on the content and concepts of APHY162 and 262 or APHY 180, 181, and 182 bridging to the level of the NEPS program course NURS 111 Introduction to the Structure and Function of the Human Body.

NURS 163 Professional Practice and Communication 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): NEPS 112, NURS 112

You will explore the concept of self in relation to others. You will illustrate the role of caring in the practice of nursing and begin to develop reflective practice and critical thinking skills. You will demonstrate principles of verbal and non-verbal professional communication and explore the professional image of nursing.

NURS 170 Health Assessment and Praxis 1 Completer

Credit Units: 3.0 Course Hours: 42.0

Prerequisite(s): APHY 162*, SOCI 160*

You will complete three learning outcomes and study the development of basic nursing competencies related to the nursing process, elimination needs, and vital signs. You will attend the mandatory simulation lab component where you will practice these skills. The lab will cover material from all three learning outcomes.

NURS 170CE Health Assessment and Praxis 1 Completer

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): APHY 162*, SOCI 160*

You will complete three learning outcomes and study the development of basic nursing competencies related to the nursing process, elimination needs, and vital signs. You will attend the mandatory simulation lab component where you will practice these skills. The lab will cover material from all three learning outcomes.

NURS 171 Foundations 1 – Foundations of Health

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): NURS 173

You will discuss the metaparadigm of nursing in the context of nursing theories and philosophies. You will describe health determinants, primary health care and health care delivery in Canada. You will discuss law and ethics as they pertain to the nursing profession. You will describe critical thinking and apply key elements of patient safety. You will describe the concepts of culture and ethnicity with a focus on Indigenous and other predominant cultures in Saskatchewan.

NURS 172 Variations in Health 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): NURS 174

You will begin to apply critical thinking skills, explaining the physiological and psychological health changes of the ageing adult. With guidance, you will apply the nursing process and describe evidence informed practice related to the ageing adult patient. You will describe specific health variations using a systems approach and recognize health promotion strategies in gerontological care.

NURS 173 Foundations of Health 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BIOL 102*

Within a caring holistic context, you will be introduced to the concept of health as it applies to you and others. You will explore the concept of primary health care. You will discuss health services delivery. You will examine determinants of health. Health promotion activities and community resources are explored.

NURS 173CE Health & Healing 1 Completer

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): BIOL 102*

Within a caring holistic context, you will be introduced to the concept of health as it applies to you and others. You will explore the concept of primary health care. You will discuss health services delivery. You will examine determinants of health. Health promotion activities and community resources are explored.

NURS 174 Variations in Health 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BIOL 102*

Your studies will focus on the concepts of holistic nursing care related to specific challenges of the older adult. You will examine the concept of polypharmacy. You will discuss the introductory concepts of microbiology and selected specific microorganisms. You will learn about emerging infections in Canadian communities.

NURS 174CE Health Challenges 1 Completer

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): BIOL 102*

Your studies will focus on the concepts of holistic nursing care related to specific challenges of the older adult. You will examine the concept of polypharmacy. You will discuss the introductory concepts of microbiology and selected specific microorganisms. You will learn about emerging infections in Canadian communities.

NURS 176 Foundations 2 - Mental Health

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BIOL 102, CLIN 103, NURS 163, NURS 171, NURS 172, PHAR 101

You will describe mental health concepts, legal and ethical considerations, and social stigmas related to mental health disorders. You will examine the role of nursing in relation to mental health and describe evidence informed nursing practice for patients and their families. You will promote mental health for patients and their families using the metaparadigm of nursing, demonstrating critical thinking and inquiry in your application of the nursing process. You will examine specific mental health disorders and examine strategies to promote safety in the context of mental health.

NURS 202 Psychomotor Skills Lab

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): NURS 248

You will implement the theory and principles of perioperative nursing in the performance of basic skills. Selected psychomotor skills will be demonstrated and you will practice them in a laboratory setting.

NURS 214 Perioperative Nurse Anesthesia/LPN

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): NURS 250

You will gain an understanding of the principles of nursing care for patients during induction and emergence from anesthesia. You will also gain an understanding of emergency care protocols.

NURS 214CE Perioperative Nurse Anesthesia/LPN

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): NURS 250

You will gain an understanding of the principles of nursing care for patients during induction and emergence from anesthesia. You will also gain an understanding of emergency care protocols.

NURS 225 Health Assessment

Credit Units: 10.0 Course Hours: 144.0

Equivalent Course(s): NURS 276

This course is designed to develop your expertise in gathering a health history, performing comprehensive physical examinations and clinical reasoning to develop a differential diagnosis. The emphasis will be on assessment and its application to the normal.

NURS 225CE Health Assessment

Credit Units: 10.0 Course Hours: n/a

This course is designed to develop your expertise in gathering a health history, performing comprehensive physical examinations and clinical reasoning to develop a differential diagnosis. The emphasis will be on assessment and its application to the normal.

NURS 227 Health Assessment for LPNs

Credit Units: 4.0 Course Hours: 60.0

The Health Assessment course for Licensed Practical Nurses will prepare you to perform a health history and physical examination of clients. You will enhance your assessment skills with a focus on a patient centered approach. You will apply critical thinking and evidenced informed nursing practice to health assessment. You will consider health assessment in various stages across the lifespan, with a focus on the older adult. Challenges related to aging are also explored. You will demonstrate physical assessment in a lab setting. You will perform a health history and physical examination with an older adult and document the findings in an assignment.

NURS 227CE Health Assessment for LPNs

Credit Units: 4.0 Course Hours: n/a

The Health Assessment course for Licensed Practical Nurses will prepare you to perform a health history and physical examination of clients. You will enhance your assessment skills with a focus on a patient centered approach. You will apply critical thinking and evidenced informed nursing practice to health assessment. You will consider health assessment in various stages across the lifespan, with a focus on the older adult. Challenges related to aging are also explored. You will demonstrate physical assessment in a lab setting. You will perform a health history and physical examination with an older adult and document the findings in an assignment.

NURS 240 Professional Practice and Communication 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BIOL 102, CLIN 103, NURS 163, NURS 171, NURS 172, PHAR 101

You will examine therapeutic relationships with an emphasis on caring, advocacy, diversity, and managing ethical dilemmas. You will examine trends and issues in Canadian nursing practice and identify the scope of professional practice for the practical nurse.

NURS 244 Surgical Environment

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): NURS 209

You will be introduced to the principles of asepsis, sterilization, disinfection and infection prevention through the implementation of perioperative nursing care standards. You will learn basic technical skills necessary to prepare yourself and the patient for a surgical procedure.

NURS 244CE Surgical Environment

Credit Units: 4.0 Course Hours: n/a

You will be introduced to the principles of asepsis, sterilization, disinfection and infection prevention through the implementation of perioperative nursing care standards. You will learn basic technical skills necessary to prepare yourself and the patient for a surgical procedure.

NURS 245 Perioperative Nursing Process/RN

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NURS 244*

You will apply the nursing process to perioperative nursing care. You will discuss leadership, examining communication skills related to the perioperative setting. You will examine professional responsibilities related to both the registered nurse (RN) scrub and circulating roles in perioperative nursing. You will relate these perioperative principles to the RN role in surgery centres.

NURS 245CE Perioperative Nursing Process/RN

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): NURS 244*

You will apply the nursing process to perioperative nursing care. You will discuss leadership, examining communication skills related to the perioperative setting. You will examine professional responsibilities related to both the registered nurse (RN) scrub and circulating roles in perioperative nursing. You will relate these perioperative principles to the RN role in surgery centres.

NURS 246 Surgical Equipment

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): NURS 244, (NURS 245 or NURS 250)

You will learn how to identify, arrange, use and care for surgical instruments and accessory surgical equipment. You will learn to safely prepare and handle supplies for surgical wound closure, perform a surgical count, and manage surgical specimens.

NURS 246CE Surgical Equipment

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): NURS 244, (NURS 245 or NURS 250)

You will learn how to identify, arrange, use and care for surgical instruments and accessory surgical equipment. You will learn to safely prepare and handle supplies for surgical wound closure, perform a surgical count, and manage surgical specimens.

NURS 247 Perioperative Nurse Anesthesia/RN

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): NURS 245

You will use the principles of nursing care of patients during induction and emergence from anesthesia, including emergency procedure protocols.

NURS 247CE Perioperative Nurse Anesthesia/RN

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): NURS 245

You will use the principles of nursing care of patients during induction and emergence from anesthesia, including emergency procedure protocols.

NURS 248 Surgical Procedures

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ANAT 266, (NURS 247* or NURS 214*)

You will focus on the nursing actions to be performed by the scrub and circulating nurse during surgical procedures and the specialized care requirements of pediatric, geriatric and morbidly obese patients.

NURS 248CE Surgical Procedures

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): ANAT 266, (NURS 247* or NURS 214*)

You will focus on the nursing actions to be performed by the scrub and circulating nurse during surgical procedures and the specialized care requirements of pediatric, geriatric and morbidly obese patients.

NURS 250 Perioperative Nursing Process/LPN

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NURS 244*

You will apply the nursing process to perioperative nursing care. You will discuss factors that influence communication and identify safety considerations relevant to the perioperative setting. You will discuss professional responsibilities related to both the licensed practical nurse (LPN) scrub and circulating roles in perioperative nursing. You will relate these perioperative principles to the LPN role in surgery centers.

NURS 250CE Perioperative Nursing Process/LPN

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): NURS 244*

You will apply the nursing process to perioperative nursing care. You will discuss factors that influence communication and identify safety considerations relevant to the perioperative setting. You will discuss professional responsibilities related to both the licensed practical nurse (LPN) scrub and circulating roles in perioperative nursing. You will relate these perioperative principles to the LPN role in surgery centers.

NURS 289 Obstetrics for LPNs

Credit Units: 1.0 Course Hours: 15.0

This course will explore antepartum care as well as the labour and delivery process, which are essential in helping the participant to care for the post-partum client.

NURS 290 Pediatrics for LPNs

Credit Units: 1.0 Course Hours: 11.0

This course explores concepts of growth and development from infancy to adolescence. Holistic assessment is also taught, which provides the foundation for safe nursing care of these clients in institutional settings.

NURS 292 Foundations 3 – Maternal Child Health

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 240, NURS 294, NRSG 257, NRSG 258, SOCI 201

Equivalent Course(s): NURS 242

You will examine foundational assessments in the context of maternal, newborn and pediatric patient populations. You will identify growth and development milestones from newborn to adolescence with a focus on family-centred care. You will apply critical thinking and inquiry to examine common medical, surgical, nutritional, and mental health issues common in childhood and adolescents. You will examine health promotion, teaching and safety of these populations in a variety of contexts.

NURS 293 Variations in Health 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BIOL 102, CLIN 103, NURS 163, NURS 171, NURS 172, PHAR 101

You will examine variations in health and common chronic conditions diagnosed in the adult population. You will apply knowledge of anatomy and pathophysiology to explore health challenges affecting body systems. You will examine the diagnostic findings, nursing interventions and treatments associated with specific health challenges. With guidance, you will apply the nursing process, promote safety, and apply critical thinking and evidence informed practice to deliver holistic nursing care.

NURS 294 Variations in Health 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CLIN 105

You will examine the concepts of holistic nursing care related to acute variations in health for the adult patient. You will interpret laboratory and diagnostic findings in the context of acute health challenges. You will interdependently use the nursing process to deliver competent care; applying concepts of safety, critical thinking, and evidence informed practice. You will compare specific surgical treatments and apply concepts related to preoperative, intraoperative and postoperative nursing care.

NUTR 102 Special Diets 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NUTR 105*

You will learn about various disease states and their required specialized diets and apply menu modification techniques.

NUTR 103 Special Diets 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NUTR 102*, NUTR 105

Building on the skills you developed in Special Diets 1, you will continue to learn about various disease states and required specialized diets and apply menu modification techniques.

NUTR 104 Nutrition

Credit Units: 2.0 Course Hours: 30.0

You will examine principles of nutrition as they apply to special diets and various food preparation techniques.

NUTR 105 Introduction to Nutrition

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): NUTR 180

You will be introduced to the principles of human nutrition. Your studies will include how macronutrient intakes affect energy intake and overall health.

NUTR 180 Nutrition and Healthy Living

Credit Units: 4.0 Course Hours: 60.0

You will study the fundamental principles of the science of human nutrition, including how nutritional intake affects health.

NUTR 180CE Nutrition and Healthy Living

Credit Units: 3.0 Course Hours: n/a

You will study the fundamental principles of the science of human nutrition, including how nutritional intake affects health.

NUTR 186 Diet Therapy 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): NUTR 180

You will learn about various disease states and their required specialized diets. You will gain practical experience writing special diets and marking menus.

NUTR 186CE Diet Therapy 1

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): NUTR 180

You will learn about various disease states and their required specialized diets. You will gain practical experience writing special diets and marking menus.

NUTR 194 Introduction to Computrition Software

Credit Units: 1.0 Course Hours: 15.0

Your studies will introduce you to basic skills in the use of Computrition software. This software is designed to run an entire food service operation including menu planning, food inventories, recipe files, and patient care management. You will learn the basics about the program and participate in data entry using the Computrition software.

NUTR 200 Animal Nutrition

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CHEM 101, APHY 104

Equivalent Course(s): SEM 281

You will learn about basic nutritional requirements of domestic animals. Your studies include the feeding of animals, the key nutritional factors in disease conditions, and therapeutic foods. You will learn how to advise clients about feeding companion animals, including the prevention of obesity.

NUTR 201 Nutrition

Credit Units: 2.0 Course Hours: 30.0

You will develop an understanding of the role of nutrition as it relates to general and oral health and disease. Through a variety of learning experiences which may include classroom instruction, group activities, practical exercises and independent learning, you will acquire knowledge of the standards and guidelines for planning and assessing the nutritional adequacy of diets. You will learn about the function and dietary sources of the major nutrients. You will examine the nutritional needs throughout the lifecycle as well as nutrition-related oral health issues.

NUTR 202 Diet Therapy 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): NUTR 186

Building on the skills you developed in Diet Therapy 1, you will continue to learn about various disease states and required specialized diets. You will continue to gain practical experience writing special diets and marking menus.

NUTR 203 Nutrition Care Planning Through the Life Cycle

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NUTR 202

You will study nutritional needs throughout the life cycle. Maternal, infant, childhood, adolescent and gerontological nutrition will be emphasized. You will also be introduced to nutritional assessment and patient counselling.

NUTR 262 Nutrition

Credit Units: 1.0 Course Hours: 20.0

Prerequisite(s): DENT 163

Equivalent Course(s): NUTR 160

You will learn the basics of nutrition as it relates to general/oral health and disease. You will develop a basic understanding of the functions and dietary sources of the major nutrients; discuss the nutritional needs throughout the lifecycle as well as nutrition-related oral health issues.

Course Descriptions O

OPRL 142 Court Office Systems and Procedures

Credit Units: 4.0 Course Hours: 60.0

You will examine the various court office systems and procedures. You will manage court documents, and use the daily docket system, file systems, and apply court protocols and procedures.

OPRO 104 Document Processing in Emergency Communication

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PLPR 100*

You will explore the variety of tools, documents and reports commonly used within an emergency communications centre. You will create, format and use various documents and reports such as call logs and protocols. Quality improvement and quality assurance tools utilized within a communications centre are examined.

OPRO 105 Office Procedures

Credit Units: 4.0 Course Hours: 60.0

You will learn time management, customer service, reception, problem solving, and team building skills. You will also learn how to effectively perform office procedures skills related to telephones, incoming and outgoing mail, and business meetings. As well, you will learn how to use information sources including the internet and how to manage office supplies and business forms.

OPRO 133 Records and Information Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 115

You will learn about records and information management procedures and equipment as well as various types of filing systems including electronic filing.

OPRO 133CE Records and Information Management

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): COMP 115

You will learn about records and information management procedures and equipment as well as various types of filing systems including electronic filing.

ORTN 1000 Orientation - Basic Education

Credit Units: 0.0 Course Hours: 0.0

Orientation is a program that informs students of Saskatchewan Polytechnic and Basic Education programs, policies and procedures.

ORTN 102 Orientation to Industry

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): ORTN 160

Your studies will include examining the possible roles of a technician and introduce you to professional ethics, industry standards and accountability. You will also study Occupational Health and Safety (OH&S) regulations.

ORTN 145 Introduction to the Retail Industry

Credit Units: 1.0 Course Hours: 15.0

You will be introduced to the retail sector by examining the potential for career advancement. You will gain an understanding of the importance of the relationship between the mission statement of your business and success.

ORTN 160 Orientation to Industry

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on the role of the technician in industry, occupational health and safety, increased diversity in the workplace, principles of sustainability and the impact of technology on the workplace. You will also learn about Saskatchewan Polytechnic student policies and how to develop study and time management skills.

ORTN 190 Introduction to Library Service

Credit Units: 3.0 Course Hours: 45.0

You will examine various library organizational structures, personnel descriptions and duties, and materials and services to library patrons. Library and Archives Canada, other major Canadian libraries, the Saskatchewan library system and other library partnerships will be discussed.

ORTN 190CE Introduction to Library Service

Credit Units: 3.0 Course Hours: n/a

You will examine various library organizational structures, personnel descriptions and duties, and materials and services to library patrons. Library and Archives Canada, other major Canadian libraries, the Saskatchewan library system and other library partnerships will be discussed.

ORTN 199 Orientation to Funeral Service

Credit Units: 3.0 Course Hours: 45.0

You will receive an orientation to the funeral services profession. Topics will include the history, varying traditions and religious practices that influence arrangements. You will also gain an understanding of the nature of employment within the funeral services profession.

ORTN 199CE Orientation to Funeral Service

Credit Units: 3.0 Course Hours: n/a

You will receive an orientation to the funeral services profession. Topics will include the history, varying traditions and religious practices that influence arrangements. You will also gain an understanding of the nature of employment within the funeral services profession.

ORTN 382 Orientation to Practicum

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HLTH 104*, EMPL 180*

You will be introduced to the workplace and occupational role settings involved in working with persons with disabilities.

ORTN 382CE Orientation to Practicum

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): HLTH 104*, EMPL 180*

You will be introduced to the workplace and occupational role settings involved in working with persons with disabilities.

ORTN 385 Orientation

Credit Units: 4.0 Course Hours: 60.0

You will visit human service agencies and you will meet the workers from a range of programs and agencies for youth, adults, and families at risk. You will prepare for advanced coursework and confirm your career choice.

ORTN 385CE Orientation

Credit Units: 4.0 Course Hours: n/a

You will visit human service agencies and you will meet the workers from a range of programs and agencies for youth, adults, and families at risk. You will prepare for advanced coursework and confirm your career choice.

Course Descriptions P

PALL 100 Palliative Care

Credit Units: 2.0 Course Hours: 30.0

You will focus on the process of dying and the impact it has on a palliative patient's family. You will study palliative patient care and the strategies used to assist health care workers when providing care to a palliative patient. You will participate in labs and online discussions to help you develop the skills required to provide care to a palliative patient.

PALL 100CE Palliative Care

Credit Units: 2.0 Course Hours: n/a

You will focus on the process of dying and the impact it has on a palliative patient's family. You will study palliative patient care and the strategies used to assist health care workers when providing care to a palliative patient. You will participate in labs and online discussions to help you develop the skills required to provide care to a palliative patient.

PARK 400 Park Programs

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on the principles and application of environmental interpretation and visitor service programs. You will also learn about procedures for trail development, managing visitors and conflict. The course includes an introduction to emergency troubleshooting, fire hazard and risk management.

PART 178 Parts Workplace Skills

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): COM 108

You will learn valuable workplace skills including job exploration, explore essential and employability skills, customer service, business communication methods, workplace behaviors and responsibilities, coaching, mentoring, and conflict resolution.

PART 178CE Parts Workplace Skills

Credit Units: 2.0 Course Hours: n/a

You will learn valuable workplace skills including job exploration, explore essential and employability skills, customer service, business communication methods, workplace behaviors and responsibilities, coaching, mentoring, and conflict resolution.

PART 179 Parts Marketing Essentials

Credit Units: 2.0 Course Hours: 30.0

You will explore topics related to creating and launching quality sales and marketing programs. Learn helpful new tricks and tips to identify your target markets and effectively showcase everything you and your business have to offer.

PART 191 Introduction to the Parts and Warehousing Trades

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): PART 105

You will study the history of the program and the reason for trained parts people in the industry, examining the different types of dealership and aftermarket parts distribution networks. Occupational Health and Safety (OH&S), personal and shop safety, fire safety and worksafe policies and procedures will be covered.

PART 191CE Introduction to the Parts and Warehousing Trades

Credit Units: 2.0 Course Hours: n/a

You will study the history of the program and the reason for trained parts people in the industry, examining the different types of dealership and aftermarket parts distribution networks. Occupational Health and Safety (OH&S), personal and shop safety, fire safety and worksafe policies and procedures will be covered.

PART 192 Tools and Measuring

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): PART 104

You will learn how to identify and use hand tools, power tools and measuring equipment.

PART 192CE Tools and Measuring

Credit Units: 2.0 Course Hours: n/a

You will learn how to identify and use hand tools, power tools and measuring equipment.

PART 193 Engine Systems 1

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on the components of all the systems that are associated with the engine (including fuel, emissions and lubrication systems).

PART 193CE Engine Systems 1

Credit Units: 2.0 Course Hours: n/a

Your studies will focus on the components of all the systems that are associated with the engine (including fuel, emissions and lubrication systems).

PART 194 Parts Information Systems

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): AV 101

You will learn the different methods of locating and identifying components. These include printed materials, microfiche and computer technology.

PART 194CE Parts Information Systems

Credit Units: 2.0 Course Hours: n/a

You will learn the different methods of locating and identifying components. These include printed materials, microfiche and computer technology.

PART 195 Electrical Parts 1

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): PART 101

You will study the fundamentals of electricity and learn how to identify the components of circuits found on a vehicle.

PART 195CE Electrical Parts 1

Credit Units: 2.0 Course Hours: n/a

You will study the fundamentals of electricity and learn how to identify the components of circuits found on a vehicle.

PART 196 Parts Facilities

Credit Units: 2.0 Course Hours: 30.0

You will learn how to set up and/or organize a parts area. The course covers building design, storage areas and binning systems.

PART 196CE Parts Facilities

Credit Units: 2.0 Course Hours: n/a

You will learn how to set up and/or organize a parts area. The course covers building design, storage areas and binning systems.

PART 197 Parts Documentation

Credit Units: 2.0 Course Hours: 30.0

You will become familiar with the various transactions that occur in a parts department. This includes point-of-sale documentation and forms used for other functions.

PART 197CE Parts Documentation

Credit Units: 2.0 Course Hours: n/a

You will become familiar with the various transactions that occur in a parts department. This includes point-of-sale documentation and forms used for other functions.

PART 198 Parts Warehousing

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): PART 106

Your studies will cover the history of warehousing, transportation systems, shipping and receiving and transportation of various products.

PART 198CE Parts Warehousing

Credit Units: 3.0 Course Hours: n/a

Your studies will cover the history of warehousing, transportation systems, shipping and receiving and transportation of various products.

PART 199 Inventory Audit

Credit Units: 2.0 Course Hours: 30.0

You will learn the requirements and procedures for doing an inventory count.

PART 199CE Inventory Audit

Credit Units: 2.0 Course Hours: n/a

You will learn the requirements and procedures for doing an inventory count.

PART 287 Hydraulic Parts

Credit Units: 2.0 Course Hours: 30.0

You will study the principles of hydraulics, identification, and operation of hydraulic components.

PART 287CE Hydraulic Parts

Credit Units: 2.0 Course Hours: n/a

You will study the principles of hydraulics, identification, and operation of hydraulic components.

PART 288 Engine Parts 1

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): PART 100

Your studies will examine engine classifications and design. You will focus on identifying engine components and their function.

PART 288CE Engine Parts 1

Credit Units: 2.0 Course Hours: n/a

Your studies will examine engine classifications and design. You will focus on identifying engine components and their function.

PART 289 Vehicle System Parts

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): PART 102

Your studies will cover suspension, steering and braking systems. You will focus on the principles of these systems as well as the components.

PART 289CE Vehicle System Parts

Credit Units: 2.0 Course Hours: n/a

Your studies will cover suspension, steering and braking systems. You will focus on the principles of these systems as well as the components.

PART 291 Drivetrain Components

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): PART 103

You will study transmissions, differentials, final drives, clutches and converters, as well as drive lines. You will focus on the function of the parts and replacement parts available.

PART 291CE Drivetrain Components

Credit Units: 2.0 Course Hours: n/a

You will study transmissions, differentials, final drives, clutches and converters, as well as drive lines. You will focus on the function of the parts and replacement parts available.

PART 292 Standard Inventory

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on parts and products that are common to all types of parts operations. It will include fasteners, fittings, bearings, seals, belts, chains, couplers and clutches. You will focus on the function and the replacement of these high-activity parts and products.

PART 292CE Standard Inventory

Credit Units: 2.0 Course Hours: n/a

Your studies will focus on parts and products that are common to all types of parts operations. It will include fasteners, fittings, bearings, seals, belts, chains, couplers and clutches. You will focus on the function and the replacement of these high-activity parts and products.

PART 293 Engine Systems 2

Credit Units: 2.0 Course Hours: 30.0

You will study engine heating and cooling systems, air conditioning and lubrication systems. You will focus on the high-activity parts and the function of the components.

PART 293CE Engine Systems 2

Credit Units: 2.0 Course Hours: n/a

You will study engine heating and cooling systems, air conditioning and lubrication systems. You will focus on the high-activity parts and the function of the components.

PART 294 Automotive and Truck Wholegoods

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on the areas that are common to the automotive, light truck, and heavy truck components of the parts industry. You will focus on body design, chassis components, operator features, and safety systems.

PART 294CE Automotive and Truck Wholegoods

Credit Units: 2.0 Course Hours: n/a

Your studies will focus on the areas that are common to the automotive, light truck, and heavy truck components of the parts industry. You will focus on body design, chassis components, operator features, and safety systems.

PART 295 Electrical Parts 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PART 195

You will study the internal components of the starting, ignition, lighting, horn and accessories system circuits. You will focus on the function of the components as well as the replacement parts.

PART 295CE Electrical Parts 2

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): PART 195

You will study the internal components of the starting, ignition, lighting, horn and accessories system circuits. You will focus on the function of the components as well as the replacement parts.

PART 296 Agricultural and Industrial Wholegoods

Credit Units: 2.0 Course Hours: 30.0

You will learn about the equipment used in agricultural and industrial applications. You will focus on basic operation with special attention to the fast-wearing parts.

PART 296CE Agricultural and Industrial Wholegoods

Credit Units: 2.0 Course Hours: n/a

You will learn about the equipment used in agricultural and industrial applications. You will focus on basic operation with special attention to the fast-wearing parts.

PART 298 Engine Parts 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PART 288

You will study the function of all engine components and failure analysis.

PART 298CE Engine Parts 2

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): PART 288

You will study the function of all engine components and failure analysis.

PART 299 Inventory Control

Credit Units: 2.0 Course Hours: 30.0

You will learn the management tools and control systems used to manage inventory.

PART 299CE Inventory Control

Credit Units: 2.0 Course Hours: n/a

You will learn the management tools and control systems used to manage inventory.

PATH 100 Pathophysiology 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 170, BIOL 103, PHAR 103

You will be introduced to common diseases encountered in paramedic practice. You will study how the body is affected by disease as it defends against infection and adverse environments. You will explain how injury and illness affect the cardiovascular, nervous, respiratory, immune, endocrine and integumentary systems.

PATH 161 Pathophysiology 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MED 161, APHY 100*

You will be introduced to various concepts and disease processes that can affect normal body structure and function. You will study the common diagnostic investigations and treatments associated with each disease process. You will also study the effects of drugs on the human body.

PATH 161CE Pathophysiology 1

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): MED 161, APHY 100*

You will be introduced to various concepts and disease processes that can affect normal body structure and function. You will study the common diagnostic investigations and treatments associated with each disease process. You will also study the effects of drugs on the human body.

PATH 179 Radiographic Pathology 1

Credit Units: 2.0 Course Hours: 33.0

Prerequisite(s): RGAN 180

You will learn how to identify the pathological conditions of specific body systems as demonstrated on radiographs. At course completion, you will be able to use the required radiographic qualities to adequately illustrate the pathology in question.

PATH 181 Laboratory Result Correlation

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): HEMA 179, HEMA 192, CHEM 279*

You will focus on the role of the laboratory in diagnosis and disease management. The course content includes the analyses used and brief descriptions of common disorders involving the various body systems. You will use this information to help you define the role of the laboratory in disease diagnosis and management. This information will assist you to detect possible discrepancies in laboratory test results.

PATH 184 Radiographic Pathology 2

Credit Units: 2.0 Course Hours: 23.0

Prerequisite(s): PATH 179

Building on the knowledge you gained in PATH 179 (Radiographic Pathology 1), you will continue to learn how to identify pathological conditions relative to radiographic appearance and which projection/view would best demonstrate them. You will discuss adjustments in exposure factors and general disease processes.

PATH 185 Introductory Cytopathology 1

Credit Units: 1.0 Course Hours: 20.0

Prerequisite(s): MTER 180*

You will discuss general cytology practices including sampling techniques, cytologic stains and the evolution of cytology. You will learn about quality control and quality assurance in the medical laboratory. You will develop a basic knowledge of the cell, the cell cycle, chromosomes and their relationship to cancer.

PATH 186 Pathophysiology

Credit Units: 3.0 Course Hours: 45.0

The course content provides you with an introduction to the study of various disease processes that can affect body structure and function. You will also examine disease processes as they affect specific body systems.

PATH 186CE Pathophysiology

Credit Units: 3.0 Course Hours: n/a

The course content provides you with an introduction to the study of various disease processes that can affect body structure and function. You will also examine disease processes as they affect specific body systems.

PATH 200 Pathophysiology 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): EMER 159

Based on how the body responds to disease, you will study injury and illness involving the gastrointestinal, genitourinary, reproductive, musculoskeletal and special senses body systems. You will study how cancer, poisons, medications, injury and trauma (including shock) affect the human body.

PATH 201 Clinical Pathology (Theory)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): IMMU 281, VETR 191, VETR 201*

Corequisite(s): PATH 202

You will be introduced to laboratory diagnostic tests that are routinely performed in veterinary medicine. You will learn about the composition, structure and function of blood and urine in selected domestic animal species. You will learn to recognize normal parameters and changes that occur during disease. This course is taken in conjunction with Clinical Pathology (Lab) PATH 202.

PATH 202 Clinical Pathology (Lab)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): IMMU 281, VETR 191, VETR 201*

Corequisite(s): PATH 201

You will develop practical skills in hematology, clinical chemistry, and urinalysis. Your training will include the use of semi-automated analyzers, immunological testing, blood typing, urinalyses, manual blood smear evaluations, and common diagnostic tests. You will perform quality control procedures to ensure accuracy of results. This course is taken in conjunction with Clinical Pathology (Theory) PATH 201.

PATH 203 Pathophysiology

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): APHY 103, RGAN 101, RDGR 179

You will learn the pathology of the organs and systems in the human body. Your studies will focus on the hematopoietic, endocrine, skeletal, thoracic and abdominal systems. At course completion, you will be able to recognize pathological processes and abnormal anatomy on radiographic images.

PATH 262 General/Oral Pathology and Pharmacology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 160, DENT 166

You will explore common disease of the body and the dental management of the medically compromised client. You will learn about various diseases and conditions of the oral cavity. Medications used to treat medical and dental conditions will be explored and the dental implications of medications will also be emphasized.

PATH 268 General Pathology

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): BIOL 101

Through independent study, class discussions, and practice predicament learning activities, you will identify clients for whom the initiation or continuation of treatment must be modified or is contraindicated based upon interpretation of health history and clinical data. You will identify clients at risk for medical emergencies and use strategies to minimize such risks.

PATH 269 Oral Pathology

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PATH 268

Corequisite(s): DHYG 276

Through independent study, class discussions and practice predicament activities, you will identify common lesions in the oral cavity. You will plan dental hygiene strategies to manage oral lesions.

PATH 272 Pathophysiology 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PATH 161, APHY 200*

Building on the skills you developed in Pathophysiology 1 (PATH 161), you will study disease processes and the effects they have on the skin, breast, musculoskeletal, cardiovascular, blood, lymphatic and respiratory body systems

PATH 272CE Pathophysiology 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PATH 161, APHY 200*

Building on the skills you developed in Pathophysiology 1 (PATH 161), you will study disease processes and the effects they have on the skin, breast, musculoskeletal, cardiovascular, blood, lymphatic and respiratory body systems

PATH 273 Pathophysiology 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PATH 272, APHY 200*

Building on the skills you developed in Pathophysiology 1 (PATH 161) and Pathophysiology 2 (PATH 272), you will continue to learn disease processes and the effects they have on the digestive, urinary, reproductive and endocrine body systems. You will also examine disorders of the eye and ear, neurological and psychiatric disorders.

PATH 273CE Pathophysiology 3

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PATH 272, APHY 200*

Building on the skills you developed in Pathophysiology 1 (PATH 161) and Pathophysiology 2 (PATH 272), you will continue to learn disease processes and the effects they have on the digestive, urinary, reproductive and endocrine body systems. You will also examine disorders of the eye and ear, neurological and psychiatric disorders.

PATH 280 Introductory Cytopathology 2

Credit Units: 1.0 Course Hours: 20.0

Prerequisite(s): PATH 185

You will develop a basic knowledge of the cell's response to injury, inflammation and repair. You will also learn about cell life and death. You will also be introduced to normal and abnormal cytomorphology.

PATH 281 Introductory Cytopathology 3

Credit Units: 1.0 Course Hours: 17.0

Prerequisite(s): PATH 280

You will develop a basic knowledge of disease processes as a foundation for the study of cytology. You will learn the nature and cause of disease with an emphasis on neoplasia.

PATH 281CE Introductory Cytopathology 3

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): PATH 280

You will develop a basic knowledge of disease processes as a foundation for the study of cytology. You will learn the nature and cause of disease with an emphasis on neoplasia.

PAVE 100 Asphalt Construction

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SOIL 100

Equivalent Course(s): PAVE 220

You will learn how to inspect, manage and evaluate the manufacture and placement of aggregate and bituminous mix for parking lots, streets and highways. You will apply American Society for Testing and Materials (ASTM) and Canadian Standards Association (CSA) standards.

PAVE 220 Asphalt Construction

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SOIL 120

Corequisite(s): SOIL 220

You will study how to inspect, manage and evaluate the manufacture and placement of aggregate and bituminous mix for parking lots, streets and highways.

PAVE 222 Pavement Structures

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PAVE 223

You will study designing, constructing, evaluating and managing asphalt and Portland cement pavement structures.

PAVE 223 Highway Materials

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SOIL 220, PAVE 220

Equivalent Course(s): SOIL 221

You will investigate, design and evaluate soil, aggregate and related materials for use in streets, highways and other earth structures.

PCOM 180 Communication Strategies

Credit Units: 3.0 Course Hours: 48.0

Equivalent Course(s): COMM 289, NEPS 114

You will examine interpersonal communication theory and its application in the workplace including conflict resolution, teamwork and positive political skills. You will develop research and report-writing skills as well as practice conducting a meeting and resolving conflict.

PD 100 Professionalism 1

Credit Units: 3.0 Course Hours: 45.0

You will explore and build employability skills needed to become an effective early childhood educator. You will reflect on and practice supportive behaviors required when working in a diverse environment with colleagues, children and their families and outside professionals. You will learn about knowledge, skills and disposition of a well-qualified early childhood educator.

PD 100CE Professionalism 1

Credit Units: 3.0 Course Hours: n/a

You will explore and build employability skills needed to become an effective early childhood educator. You will reflect on and practice supportive behaviors required when working in a diverse environment with colleagues, children and their families and outside professionals. You will learn about knowledge, skills and disposition of a well-qualified early childhood educator.

PD 101 Professionalism in the Educational Setting

Credit Units: 4.0 Course Hours: 60.0

You will explore and build employability skills needed to become a professional educator. You will learn about the expertise, skills, and disposition of a well-qualified educational assistant. Students will receive Certification in Workplace Hazardous Information System (WHNIS) and Safe Food Handling upon completion of this course.

PD 143 Professionalism

Credit Units: 1.0 Course Hours: 15.0

Your studies will focus on the importance of professionalism in the operation of a small business. You will explore the following topics: ethics, time and stress management, professional development, public image, and social responsibility.

PD 143CE Professionalism

Credit Units: 1.0 Course Hours: n/a

Your studies will focus on the importance of professionalism in the operation of a small business. You will explore the following topics: ethics, time and stress management, professional development, public image, and social responsibility.

PD 160 Professional Development in Service Excellence

Credit Units: 2.0 Course Hours: 30

Prerequisite(s): PRAC 166

Your studies will focus on strategies for developing a workplace culture of service excellence, assessing what you have learned and determining what you will do next to support your ongoing development in service excellence.

PD 240 Professionalism 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

Your studies will focus on the role of the early childhood educator as it relates to current issues, advocacy, leadership and professionalism.

PD 240CE Professionalism in ECE

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 119 or PRAC 105 or PRAC 181

Your studies will focus on the role of the early childhood educator as it relates to current issues, advocacy, leadership and professionalism.

PE 181 Personal Health and Wellness in Communities

Credit Units: 3.0 Course Hours: 45.0

You will learn about fitness and wellness as a lifestyle within the recreation field. Your studies will focus on the dynamics of fitness/wellness and its relationship to different target groups in the community. You will also develop an overall understanding of how a fitness program is designed.

PE 282 Sports Administration

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on the sport delivery system. You will discuss the impact and benefits of sport; and address topical issues of moral reasoning, ethics, racism, abuse, equity, screening, and others in sport.

PERS 101 Personal Wellness 1

Credit Units: 3.0 Course Hours: 45.0

You will examine various aspects of personal wellness with an emphasis on and maintaining a healthy lifestyle. You will follow a fitness routine to meet the physical demands to work in a public safety environment.

PERS 101CE Personal Wellness 1

Credit Units: 3.0 Course Hours: n/a

You will examine various aspects of personal wellness with an emphasis on and maintaining a healthy lifestyle. You will follow a fitness routine to meet the physical demands to work in a public safety environment.

PERS 102 Personal Wellness 2

Credit Units: 3.0 Course Hours: 45.0

You will examine various aspects of personal wellness with an emphasis on nutrition and stress management. You will follow a fitness routine to meet the physical demands to work in a public safety environment.

PERS 103 Basic Care Skills

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): PERS 180

You will learn and demonstrate the attitudes and skills of providing personal and physical daily care to persons with disabilities. You will learn the essential role of dignity and respect in person-centered planning and care. You will discuss your legal and ethical responsibilities while providing care. You will develop skills to safely assist individuals with activities of daily living and to support their optimal levels of independence. You will study the process of medication administration.

PERS 103CE Basic Care Skills

Credit Units: 3.0 Course Hours: n/a

You will learn and demonstrate the attitudes and skills of providing personal and physical daily care to persons with disabilities. You will learn the essential role of dignity and respect in person-centered planning and care. You will discuss your legal and ethical responsibilities while providing care. You will develop skills to safely assist individuals with activities of daily living and to support their optimal levels of independence. You will study the process of medication administration.

PERS 104 Personal Wellness

Credit Units: 3.0 Course Hours: 45.0

You will examine the various components of wellness from both a western and Indigenous perspective. You will also develop skills to practice self-care.

PERS 142 Personal Wellness

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ECE 142, HLTH 184, NEPS 116, PE 181

You will examine various aspects of personal wellness with emphasis on maintaining a healthy lifestyle.

PERS 181 Customer Service Skills

Credit Units: 2.0 Course Hours: 24.0

You will develop your skills in providing customer service.

PEST 161 Pesticide Safety & Legislation

Credit Units: 1.0 Course Hours: 10.0

This course covers the safety and legislation portion of pesticide application. This training is required by persons who possess an out-of-province pesticide applicator's permit and who wish to obtain a Saskatchewan permit. Course content includes safety procedures and first aid; and government legislation and regulations.

PEST 161CE Pesticide Safety & Legislation

Credit Units: 1.0 Course Hours: n/a

This course covers the safety and legislation portion of pesticide application. This training is required by persons who possess an out-of-province pesticide applicator's permit and who wish to obtain a Saskatchewan permit. Course content includes safety procedures and first aid; and government legislation and regulations.

PEST 162 Pesticide Dispenser

Credit Units: 1.0 Course Hours: 15.0

This course focuses on the responsibilities and duties of individuals who handle and sell pesticide products at the retail level (such as employees at a farm supply business). It is not intended for pesticide applicators.

PEST 162CE Pesticide Dispenser

Credit Units: 1.0 Course Hours: n/a

This course focuses on the responsibilities and duties of individuals who handle and sell pesticide products at the retail level (such as employees at a farm supply business). It is not intended for pesticide applicators.

PEST 165 Tree Pruning

Credit Units: 2.0 Course Hours: 27.0

This course provides the basic skills and knowledge that are needed to understand how pruning affects the development and survival of trees and how pruning is used for disease prevention. The class is useful for home owners, landscapers and commercial or municipal tree pruners. This course is recognized in an endorsement program for elm pruners through the Saskatchewan Apprenticeship and Trade Certificate Commission.

PEST 165CE Tree Pruning

Credit Units: 2.0 Course Hours: n/a

This course provides the basic skills and knowledge that are needed to understand how pruning affects the development and survival of trees and how pruning is used for disease prevention. The class is useful for home owners, landscapers and commercial or municipal tree pruners. This course is recognized in an endorsement program for elm pruners through the Saskatchewan Apprenticeship and Trade Certificate Commission.

PEST 166 Aerial Applicator

Credit Units: 2.0 Course Hours: 30.0

You will study the application of pest control products by air to forest lands, rights of way, agricultural and non-agricultural land.

PEST 166CE Aerial Applicator

Credit Units: 2.0 Course Hours: n/a

You will study the application of pest control products by air to forest lands, rights of way, agricultural and non-agricultural land.

PEST 167 Agriculture Applicator

Credit Units: 2.0 Course Hours: 30.0

You will learn how to use pesticides for controlling agricultural pests such as weeds, insects and diseases. The course content includes on-farm seed treatment, bird and rodent control, and weed control in farm dugouts and shelterbelts.

PEST 167CE Agriculture Applicator

Credit Units: 2.0 Course Hours: n/a

You will learn how to use pesticides for controlling agricultural pests such as weeds, insects and diseases. The course content includes on-farm seed treatment, bird and rodent control, and weed control in farm dugouts and shelterbelts.

PEST 168 Aquatic Vegetation Applicator

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on herbicide use for controlling aquatic vegetation in standing and running water or areas left exposed during low water periods.

PEST 168CE Aquatic Vegetation Applicator

Credit Units: 2.0 Course Hours: n/a

Your studies will focus on herbicide use for controlling aquatic vegetation in standing and running water or areas left exposed during low water periods.

PEST 169 Fumigation Applicator

Credit Units: 2.0 Course Hours: 30.0

You will study the use of fumigants for soil fumigation, or to control pests of stored products in buildings, grain bins and elevators, rail cars, trucks and containers. Intended for commercial fumigations.

PEST 169CE Fumigation Applicator

Credit Units: 2.0 Course Hours: n/a

You will study the use of fumigants for soil fumigation, or to control pests of stored products in buildings, grain bins and elevators, rail cars, trucks and containers. Intended for commercial fumigations.

PEST 170 Greenhouse Applicator

Credit Units: 2.0 Course Hours: 30.0

You will learn how to use herbicides, fungicides, insecticides and rodenticides in greenhouses during crop storage, display and production. The course content includes pesticide use on areas immediately surrounding greenhouses and on plants in occupied buildings.

PEST 170CE Greenhouse Applicator

Credit Units: 2.0 Course Hours: n/a

You will learn how to use herbicides, fungicides, insecticides and rodenticides in greenhouses during crop storage, display and production. The course content includes pesticide use on areas immediately surrounding greenhouses and on plants in occupied buildings.

PEST 171 Industrial Vegetation Applicator

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on using herbicides for vegetation control in industrial areas (such as roadsides, rights of way, well sites, parking lots and equipment yards).

PEST 171CE Industrial Vegetation Applicator

Credit Units: 2.0 Course Hours: n/a

Your studies will focus on using herbicides for vegetation control in industrial areas (such as roadsides, rights of way, well sites, parking lots and equipment yards).

PEST 172 Landscape Applicator

Credit Units: 2.0 Course Hours: 30.0

You will learn how to use herbicides, insecticides and fungicides on outdoor residential, commercial and public lands (such as yard care service, park or golf course maintenance).

PEST 172CE Landscape Applicator

Credit Units: 2.0 Course Hours: n/a

You will learn how to use herbicides, insecticides and fungicides on outdoor residential, commercial and public lands (such as yard care service, park or golf course maintenance).

PEST 173 Mosquito and Biting Fly Applicator

Credit Units: 2.0 Course Hours: 30.0

You will study insecticide use for controlling mosquito and biting fly larvae and adults.

PEST 173CE Mosquito and Biting Fly Applicator

Credit Units: 2.0 Course Hours: n/a

You will study insecticide use for controlling mosquito and biting fly larvae and adults.

PEST 174 Structural Applicator

Credit Units: 2.0 Course Hours: 30.0

You will learn how to use insecticides, rodenticides and avicides for pest control in and around structures. The course content includes rodent control on public and private land.

PEST 174CE Structural Applicator

Credit Units: 2.0 Course Hours: n/a

You will learn how to use insecticides, rodenticides and avicides for pest control in and around structures. The course content includes rodent control on public and private land.

PEST 175 Commercial Seed Treatment Applicator

Credit Units: 1.0 Course Hours: 15.0

You will study fungicide and insecticide use for commercial seed treatment operations.

PEST 175CE Commercial Seed Treatment Applicator

Credit Units: 0.0 Course Hours: n/a

You will study fungicide and insecticide use for commercial seed treatment operations.

PEST 176 On-Farm Fumigation

Credit Units: 1.0 Course Hours: 15.0

This course focuses on the use of fumigants by farmers for the control of stored grain insects and ground squirrels on their own farm. Not for commercial use. Intended for on-farm use only.

PEST 176CE On-Farm Fumigation

Credit Units: 0.0 Course Hours: n/a

This course focuses on the use of fumigants by farmers for the control of stored grain insects and ground squirrels on their own farm. Not for commercial use. Intended for on-farm use only.

PEST 177 Rat Control Applicator

Credit Units: 1.0 Course Hours: 15.0

Your studies will focus on using rodenticides for controlling rats and mice (also included in the Structural License).

PEST 177CE Rat Control Applicator

Credit Units: 1.0 Course Hours: n/a

Your studies will focus on using rodenticides for controlling rats and mice (also included in the Structural License).

PEST 178 Sask Provincial Applicator Regulations

Credit Units: 1.0 Course Hours: 3.0

This course fulfills the legislated requirement for licencing commercial pesticide applicators from other jurisdictions who are applying for reciprocal licencing in Saskatchewan.

PEST 178CE Sask Provincial Applicator Regulations

Credit Units: 1.0 Course Hours: n/a

This course fulfills the legislated requirement for licencing commercial pesticide applicators from other jurisdictions who are applying for reciprocal licencing in Saskatchewan.

PEST 179 Parks Management

Credit Units: 1.0 Course Hours: 15.0

You will learn how to use pesticides for controlling nuisance pests in public national, provincial and regional parks including nuisance insects, rodents and weeds. This course is not intended for pest control in urban park locations (e.g. city parks).

PEST 179CE Parks Management

Credit Units: 1.0 Course Hours: n/a

You will learn how to use pesticides for controlling nuisance pests in public national, provincial and regional parks including nuisance insects, rodents and weeds. This course is not intended for pest control in urban park locations (e.g. city parks).

PEST 180 Aerial Applicator Mixer/Loader

Credit Units: 1.0 Course Hours: 15.0

You will study mixing and loading pesticides for aerial applications.

PEST 180CE Aerial Applicator Mixer/Loader

Credit Units: 1.0 Course Hours: n/a

You will study mixing and loading pesticides for aerial applications.

PEST 181 Wood Preservation Applicator

Credit Units: 1.0 Course Hours: 15.0

You will study how to control wood-destroying pests in wood poles and timbers.

PEST 181CE Wood Preservation Applicator

Credit Units: 1.0 Course Hours: n/a

You will study how to control wood-destroying pests in wood poles and timbers.

PEST 200 Pesticide Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CHEM 102, SAFE 105

You will examine integrated pest management. You will interpret pesticide labels and acquire information on pesticides and their uses and safe handling and storage. You will discuss legislation as it relates to the human and environmental risks associated with applying pesticides.

PEST 261 Safety and Legislation Re-certification

Credit Units: 1.0 Course Hours: 6.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 261CE Safety and Legislation Re-certification

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 262 Pesticide Dispenser Re-certification

Credit Units: 1.0 Course Hours: 6.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 262CE Pesticide Dispenser Re-certification

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 266 Aerial Applicator Re-certification

Credit Units: 1.0 Course Hours: 6.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 266CE Aerial Applicator Re-certification

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 267 Agriculture Applicator Re-certification

Credit Units: 1.0 Course Hours: 6.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 267CE Agriculture Applicator Re-certification

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 268 Aquatic Vegetation Re-certification

Credit Units: 1.0 Course Hours: 6.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 268CE Aquatic Vegetation Re-certification

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 269 Fumigation Re-certification

Credit Units: 1.0 Course Hours: 6.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 269CE Fumigation Re-certification

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 270 Greenhouse Applicator Re-certification

Credit Units: 1.0 Course Hours: 6.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 270CE Greenhouse Applicator Re-certification

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 271 Industrial Vegetation Re-certification

Credit Units: 1.0 Course Hours: 6.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 271CE Industrial Vegetation Re-certification

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 272 Landscape Re-certification

Credit Units: 1.0 Course Hours: 6.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 272CE Landscape Re-certification

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 273 Mosquito and Biting Fly Re-certification

Credit Units: 1.0 Course Hours: 6.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 273CE Mosquito and Biting Fly Re-certification

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 274 Structural Re-certification

Credit Units: 1.0 Course Hours: 6.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 274CE Structural Re-certification

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 275 Commercial Seed Treatment Re-certification

Credit Units: 1.0 Course Hours: 6.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 275CE Commercial Seed Treatment Re-certification

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 276 On-Farm Fumigation Re-certification

Credit Units: 1.0 Course Hours: 6.0

The course focuses on the use of fumigants by farmers and elevator employees. Farmers will learn how to use fumigants to control insects in grain stored on their farms and to control ground squirrels on their farms. Elevator employees will learn how to use fumigants to control insects in grain stored in the elevator where they work.

PEST 276CE On-Farm Fumigation Re-certification

Credit Units: 1.0 Course Hours: n/a

The course focuses on the use of fumigants by farmers and elevator employees. Farmers will learn how to use fumigants to control insects in grain stored on their farms and to control ground squirrels on their farms. Elevator employees will learn how to use fumigants to control insects in grain stored in the elevator where they work.

PEST 277 Rat Control Re-certification

Credit Units: 1.0 Course Hours: 6.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 277CE Rat Control Re-certification

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination.

PEST 279 Parks Management Re-Cert

Credit Units: 1.0 Course Hours: 15.0

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination in the Parks Management license category.

PEST 279CE Parks Management Re-Cert

Credit Units: 1.0 Course Hours: n/a

Licensed commercial pesticide applicators must renew their certification every five years. This course allows students to renew their pesticide training and/or challenge the renewal examination in the Parks Management license category.

PFIN 30L Personal Finance 30L

Credit Units: 1.0 Course Hours: 110.0

The aim of Personal Finance 30L is to provide students at the Secondary Level with basic skills in financial literacy, to develop an awareness and understanding of personal finance and personal economic decision-making, to respond to business decisions as informed consumers, to develop work habits, attitudes, problem solving skills and independent thinking skills that will enhance personal and work experiences, and to develop a positive self-image and essential business attitudes necessary as a consumer.

PHAR 100 Pharmacology and Fluid Therapy

Credit Units: 3.0 Course Hours: 45.0

You will focus on the principles of pharmacology, medication administration, and fluid therapy, including intravenous access and initiation. You will study the fundamentals of pharmacology, including terminology, legislation, and medication classifications. You will perform mathematical calculations, including general calculations, metric conversions, drug dose calculations and intravenous rate calculations. Your studies will focus on medications within a Primary Care Paramedic's scope of practice in Saskatchewan including the administration of blood and blood products. You will also participate in labs that will help you develop the skills necessary for responsible and safe medication administration.

PHAR 101 Pharmacology 1

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): CLIN 103

You will identify Canadian medication systems, medication classifications and names. You will identify the principles and nursing responsibilities for competent medication calculation and administration. You will demonstrate evidenced informed care and knowledge of medication actions, differentiating medication actions and effects in the body, and examining strategies for safe administration. Your theoretical learning will focus on vitamins, complementary medications, antihistamines and drugs affecting the gastrointestinal system.

PHAR 102 Pharmacology 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): BIOL 102, CLIN 103, NURS 163, NURS 171, NURS 172, PHAR 101

Corequisite(s): CLIN 104

You will demonstrate skills and abilities required for medication administration to pediatric and adult populations. You will prepare and administer medications through enteral, percutaneous and parenteral routes. You will examine medication classifications for the cardiovascular, endocrine, immune, and central nervous and autonomic nervous systems, and demonstrate evidenced informed practice in applying principles of safe medication administration.

PHAR 103 Pharmacology

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): EMER 117

You will study the principles of pharmacology, medication administration, and blood collection. Your studies will focus on Advanced Care Paramedic medication classifications. You will also participate in labs that will help you develop the skills necessary for responsible and safe medication administration.

PHAR 104 Public Health in Pharmacy Practice

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): PHAR 182*

You will examine the role that pharmacy technicians and pharmacy have in public health. You will reflect on the pharmacy technician's role to promote cultural sensitivity and cultural safety. You will recognize the influence of the determinants of health on marginalized and vulnerable groups. You will discuss how to integrate truth and reconciliation to provide culturally safe care for Indigenous patients.

PHAR 105 Introduction to Pharmacy Dispensing Pre-Lab

Credit Units: 1.0 Course Hours: 15.0

Corequisite(s): PHAR 183

You will be introduced to the procedures and expectations of a pharmacy technician when preparing prescription orders. You will study pharmacy technician dispensary functions that support the patient and dispensary workflow. You will practice calculations, pricing and record keeping functions used in community pharmacies. You will be introduced to professional communication skills employed in pharmacy practice. This course prepares you for Introduction to Pharmacy Dispensing Lab (PHAR 183) activities.

PHAR 106 Advanced Pharmacy Computer Skills

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PHAR 187

You will build upon the knowledge and skills developed in PHAR 187 – Introduction to Pharmacy Computer Skills. You will use community pharmacy specific software to perform additional dispensary functions, process advanced prescriptions, and manage the adjudication of prescriptions. You will generate reports to retrieve information required in pharmacy practice.

PHAR 107 Applied Pharmacy Skills Lab

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PHAR 183, PHAR 186, PHAR 188, PHAR 106, PHAR 192, PHAR 194, SFTY 179

You will apply the knowledge and skills from the foundational courses of the first year of the pharmacy technician program. You will demonstrate competency in applying pharmacy guidelines, legislation and prescription filling in a simulated lab environment. You will perform accurate calculations, volume and weight measurements, and checks.

PHAR 171 Pharmacology

Credit Units: 4.0 Course Hours: 58.0

Prerequisite(s): ANAT 167*, EMER 158*, PATH 100*

You will study the principles of pharmacology, medication administration, and blood collection. Your studies will focus on advanced care paramedic medication classifications. You will also participate in labs that will help you develop the skills necessary for responsible and safe medication administration.

PHAR 179 Pharmacology for the Pharmacy Technician

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MTER 100*, APHY 160*

You will study drugs within the scope of pharmacy technician practice. You will study how drugs are absorbed, distributed, metabolized and excreted. You will study the different formulations of drugs and its effect on pharmacokinetics, bioavailability, administration routes, dosage forms, stability and shelf life.

PHAR 182 Pharmacy Practice

Credit Units: 3.0 Course Hours: 45.0

You will become familiar with the role of the pharmacy, pharmacist and pharmacy technician in the health care delivery system. You will learn about the expectations and responsibilities of pharmacy team members. You will study the collection and use of patient information in pharmacy.

PHAR 183 Introduction to Pharmacy Dispensing Lab

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PHAR 182, PHAR 184, PHAR 185, PHAR 187, PHAR 179, COMM 291, SFTY 179*, MICR 110

Corequisite(s): PHAR 105

You will be introduced to prescription dispensing. You will receive, process, and prepare prescriptions in a manner that ensures patient safety through accuracy and quality of the product. You will perform calculations, pricing and record keeping functions used in community pharmacies. You will model professional communication skills employed in pharmacy practice. You will apply laboratory and classroom learning from other courses to manage common aspects of dispensing.

PHAR 184 Pharmacy Agreements

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MATH 168*, PHAR 185*

You will be introduced to pharmacy agreements which guide pricing of medication services. You will manage the financial elements associated with the processing of prescriptions. You will study applicable federal and provincial agreements. You will study pharmacy agreements for Indigenous peoples. You will examine third-party plan coverage and payment requirements for prescription and non-prescription products (including formularies, benefit lists, interchangeable products, co-payment and deductible limits, prescription quantity limits and billing/adjudication issues). You will study enhanced pharmacy services and the guidelines for reimbursement for these services.

PHAR 185 Introduction to Pharmaceutical Calculations

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MATH 168*

You will perform accurate calculations essential to safe pharmaceutical practice. You will practice pharmacy calculations with the pharmacy requirement of “zero tolerance for calculation errors”. You will determine and calculate medication beyond use and expiration dates. You will interpret problems requiring conversions between systems of measures in pharmacy.

PHAR 186 Pharmaceutical Products 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 160, MTER 100, PHAR 179, PHAR 182

You will be introduced to common pharmacy products prescribed in Canada. Your studies will focus on major classes of prescription medications used in the field of pharmacy (anti-infective, nervous system, respiratory, gastrointestinal and genitourinary). You will become familiar with their classifications, names and use. You will study pertinent pharmacology which applies to the pharmacy technician’s scope of practice.

PHAR 187 Introduction to Pharmacy Computer Skills

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PHAR 179*, PHAR 185*, PHAR 184*, PHAR 182*

You will use community pharmacy specific software to perform dispensary functions and understand the role of the computer in pharmacy practice. You will demonstrate accurate listening and transcription skills required for data capture. You will use the community pharmacy specific software to document and manage the data required in pharmacy dispensing.

PHAR 188 Non-Prescription Products

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 160, MTER 100, PHAR 179

You will study non-prescription products available in Canada. You will recognize the names, classifications, regulation and uses of commonly used non-prescription drugs. You will explain the scope of practice for pharmacy technicians in using information regarding non-prescription products.

PHAR 192 Pharmacy Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PHAR 182, PHAR 184, PHAR 185, PHAR 194*

You will examine the business of retail pharmacy. You will learn about the management, security and operation of community pharmacies. You will study the basics of merchandising and marketing. You will learn how pharmacy location, layout, merchandising, purchasing, inventory management, pricing, and advertising/promotion contribute to pharmacy operations. You will perform calculations for retail pricing and basic accounting. You will study how pharmacy management requires a goal to optimize patient care and the importance of collaboration with the patient and their circle of care.

PHAR 194 Pharmacy Legislation

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to how pharmacy technicians act within established legislation, regulations, bylaws, policies and standards in pharmacy practice. You will study federal and provincial privacy legislation and its application to pharmacy. You will study federal legislation for the care of Indigenous peoples relating to pharmacy practice. You will understand the requirement for pharmacy technicians to have basic entry to practice competencies and model standards of practice. You will be able to recognize and learn how to manage unusual patterns of drug distribution.

PHAR 200 Pharmacology in Nursing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 201*, NRSG 202*, NRSG 203*

Your studies will focus on the basic principles of pharmacology and common medication classifications. You will explore general nursing roles and responsibilities related to drug administration. You will identify cultural factors influencing drug therapy. You will learn about adapting drug therapy for children and older adults. You will also learn about and perform correct drug dosage and I.V. rate calculations. You will explore the phenomenon of pain and the implications for nursing care in partnership with clients experiencing pain.

PHAR 202 Pharmacology

Credit Units: 3.0 Course Hours: 45.0

You will examine foundational concepts of pharmacology in nursing practice. You will examine factors impacting medication therapy. You will formulate pharmacological interventions for clients. You will manage nursing care for clients taking anti-infective and anti-inflammatory medications. You will manage nursing care for clients taking medications that affect the nervous, cardiovascular, renal system, endocrine, respiratory, and gastrointestinal systems.

PHAR 202CE Pharmacology Review

Credit Units: 3.0 Course Hours: n/a

You will examine foundational concepts of pharmacology in nursing practice. You will examine factors impacting medication therapy. You will formulate pharmacological interventions for clients. You will manage nursing care for clients taking anti-infective and anti-inflammatory medications. You will manage nursing care for clients taking medications that affect the nervous, cardiovascular, renal system, endocrine, respiratory, and gastrointestinal systems.

PHAR 203 Veterinary Pharmacology

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): IMMU 281, VETR 191, VETR 200*

Equivalent Course(s): VETR 290

You will discuss routes of drug administration, pharmacokinetics, and pharmacodynamics, and how they influence plasma drug levels and drug safety. You will be introduced to common classes of drugs used in veterinary medicine. Emphasis will be placed on the autonomic nervous system drugs, antimicrobials, anti-inflammatories, and drugs used in emergency medicine.

PHAR 204 Advanced Pharmacy Dispensing Pre-lab

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): PHAR 205

You will study the procedures and expectations of a pharmacy technician when preparing complex prescription orders. You will study pharmacy technician dispensary functions that support the patient and dispensary workflow. This course prepares you for the Advanced Pharmacy Dispensing Lab classes.

PHAR 205 Advanced Pharmacy Dispensing Lab

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MICR 110, PHAR 183, PHAR 194, PRAC 118, PHAR 208*, PHAR 217*

Corequisite(s): PHAR 204

You will build on the skills and knowledge you developed in your prerequisite courses. You will learn how to use the computer for filling advanced prescriptions and recording patient monitoring parameters. You will dispense a variety of pharmaceuticals with the focus on practice to the full scope of a pharmacy technician. You will employ the supportive role of a pharmacy technician for advanced pharmacy practice and prescribing authority in Saskatchewan through various practical activities. You will support patient care with effective communication and collaboration within the pharmacy setting.

PHAR 206 Hospital Pharmacy

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PHAR 185, PHAR 194, PRAC 118

Equivalent Course(s): PHAR 190

You will examine the practice of pharmacy in the institutional setting. You will review the guidelines of hospital pharmacy practice and Saskatchewan College of Pharmacy Professionals (SCPP) standards for pharmacy professionals caring for residents in long-term care facilities.

PHAR 207 Institutional Pharmacy Lab

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PHAR 183, PHAR 206*

You will practice institutionally specific tasks employed in the field of pharmacy. You will apply the knowledge gained from pharmacy practice and hospital practice lectures. This course builds on introductory dispensing techniques.

PHAR 208 Pharmaceutical Products 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PHAR 186

Equivalent Course(s): PHAR 193

This course continues your study of major classes of prescription medications used in the field of pharmacy (endocrine, cardiovascular, skeletal-muscular, integumentary, eye/ear and chemotherapy). You will become familiar with their classifications, names and use. You will study pertinent pharmacology such as allergy class, drug – drug interactions and available dosage forms which apply to the pharmacy technician's scope of practice.

PHAR 209 Non-Sterile Compounding Pre-Lab

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): PHAR 210

You will study the regulation of non-sterile compounding. You will review common terminology, references used and documentation requirements. You will examine the use of excipients in compounds and determine the effect of adapting compound formulation records. You will research information required for compounds made in the Non-Sterile Compounding Lab.

PHAR 210 Non-Sterile Compounding Lab

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PHAR 204, PHAR 205, PHAR 213*

Corequisite(s): PHAR 209

You will build on the skills and knowledge from your prerequisite courses. You will apply information from the lectures in Non-Sterile Compounding. You will be introduced to the principles of compounding and will prepare a variety of pharmaceuticals. You will prepare formulation records using appropriate references. You will use compound records to document your work and transfer them to the pharmacy computer database. You will adjust compound formulations in collaboration with the pharmacist. You will employ proper tools and techniques to produce quality and elegant pharmaceutical compounds.

PHAR 211 Sterile Compounding Lecture

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PHAR 205, PHAR 207, PHAR 213*, PHAR 216

Corequisite(s): PHAR 212

You will learn how using aseptic technique in sterile product preparation is a critical component of safe pharmaceutical care. You will learn the principles involved in preparing pharmaceuticals under aseptic conditions. You will learn the theory behind the procedures of sterile compounding.

PHAR 212 Sterile Compounding Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PHAR 205, PHAR 207, PHAR 213, PHAR 216

Corequisite(s): PHAR 211

You will receive group and individualized instruction in the preparation of sterile products under aseptic conditions. You will apply the knowledge from your sterile compounding pre-lab lectures to aseptic practice in a lab. You will practice special techniques involved in preparing hazardous sterile preparations. You will prepare and assess sterile products for technique, accuracy and quality of the final product.

PHAR 213 Advanced Pharmacy Calculations

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PHAR 205, PHAR 207, PHAR 216

You will accurately perform advanced pharmacy calculations essential to safe pharmaceutical practice. You will solve pharmaceutical problems related to dilutions and compounding. You will practice pharmacy calculations with the pharmacy requirement of "zero tolerance for calculation errors". You will apply accurate calculations to advanced prescriptions and check the calculation work of others.

PHAR 214 Pharmacy Practicum and Career Preparation

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): COMM 291, PHAR 204

You will identify the steps to becoming a licensed pharmacy technician in Canada. You will prepare a professional resume, be prepared for job interviews and practicums. You will evaluate your employability skills.

PHAR 215 Pharmacology 3

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CLIN 240, NURS 294, NRSG 257, NRSG 258, SOCI 201

Corequisite(s): CLIN 241

You will demonstrate skills and abilities required to safely prepare and administer medications through the intravenous route. You will interpret diagnostic tests and provide evidence informed patient care related to medication administration. You will recognize medications used in emergency patient care and examine traditional and alternative medications. You will identify the purpose and schedule for specific immunizations and plan patient teaching related to medication administration.

PHAR 216 Parenteral Product Calculations

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PHAR 185

You will accurately perform parenteral calculations essential to safe pharmacy practice. You will solve pharmacy problems related to the preparation and dispensing of parenteral products. You will practice calculations with the requirement of “zero tolerance for calculation errors”.

PHAR 217 Scope of Practice for Pharmacy Technicians

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PHAR 182

You will study the pharmacy technician’s scope of practice and its application to pharmacy practice in Saskatchewan. You will understand the supportive role of the pharmacy technician to assist patients in accessing appropriate health care. You will study the importance of practicing to the full scope of a pharmacy technician.

PHAR 218 Interprofessional and Intraprofessional Practice for Pharmacy Technicians

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PHAR 183, PHAR 217, COM 104*

You will discuss the importance of collaboration in providing competent care for patients. You will address the challenges of collaboration and participate in an interprofessional activity with other health care students and in an intraprofessional activity with pharmacist students. You will discuss methods to seek feedback and apply it to self-improvement. You will assess yourself through self-reflection and demonstrate competency in collaborative activities.

PHAR 266 Pharmacology

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PATH 268

Corequisite(s): DHYG 201

Equivalent Course(s): PHAR 262

Through independent study, class discussions, and practice predicament learning activities, you will identify clients for whom the initiation or continuation of treatment must be modified or is contra-indicated based upon medications.

PHAR 270 Medications and the Older Adult

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on medication and the older adult. You will review the pharmacokinetics and pharmacodynamics of drugs as they relate to the older adult. You will explore drug interactions, adverse reactions, drug toxicity, polypharmacy and client compliance in relationship to nursing care of the older adult.

PHAR 271 Clinical Drug Therapy

Credit Units: 5.0 Course Hours: 75.0

Prerequisite(s): NURS 225

New research and clinical experiences result in ongoing changes in the drug therapy field. As an experienced health care provider, you will review essential information that reflects current clinical drug therapy by examining the common classification of drugs. The course content includes strategies to promote safe, effective drug therapy prescribing while considering the clients' individual characteristics.

PHAR 271CE Clinical Drug Therapy

Credit Units: 5.0 Course Hours: n/a

Prerequisite(s): NURS 225

New research and clinical experiences result in ongoing changes in the drug therapy field. As an experienced health care provider, you will review essential information that reflects current clinical drug therapy by examining the common classification of drugs. The course content includes strategies to promote safe, effective drug therapy prescribing while considering the clients' individual characteristics.

PHAR 281 Veterinary Pharmacy Skills

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PHAR 203, ANES 279, VETR 191, VETR 200, VETR 282*, VETR 292*, VETR 296*

You will gain an understanding of federal and provincial drug regulations and how they apply to veterinary drugs. You will learn how to effectively assist veterinarians with pharmacy-related functions, including interpreting prescription orders, assisting with dispensing and managing controlled drugs.

PHOT 100 Still Imaging

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 104* or DSGN 101*

Equivalent Course(s): DGTL 100

Your studies will focus on digital production techniques and processes for creating graphics and still images. Your studies will include content on capture, creation, manipulation, composition and digital delivery. You will create material which can be integrated into a project or digital portfolio.

PHOT 124 Photography

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 154

Your studies will focus on a foundational digital single-lens reflex (DSLR) camera image capture and the use of off-camera lighting. Camera operation will be examined through aperture, shutter speed, white balance and focusing techniques. You will learn about various lighting and composition techniques for capturing professional portraits, and stock photography images.

PHOT 125 Photography 1

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on a foundational digital single-lens reflex (DSLR) camera image capture. You will learn the importance of image resolution and image file formats. You will study the intricacies of a balanced exposure and photographic composition. Camera operation will be examined through aperture, shutter speed, sensor sensitivity, white balance and focusing techniques.

PHOT 126 Photography

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 109*

Equivalent Course(s): PHOT 100, PHOT 124

Your studies will focus on photography fundamentals. You will focus on camera operation for natural light photography and off-camera lighting techniques. Camera operation will be examined through aperture, shutter speed, ISO, white balance, and focusing techniques. You will learn about various lighting and composition techniques for capturing professional images.

PHOT 224 Portrait and Product Photography

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PHOT 126

Your studies will focus on Digital Single Lens Reflex (DSLR) and mirrorless camera image capture and the use of off-camera lighting. You will learn about various lighting and composition techniques for capturing professional portraits and stock images. You will develop workflow procedures for sorting, post-processing, and exporting your images.

PHOT 225 Photography 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 155

Your studies will focus on advanced Digital Single-Lens Reflex (DSLR) camera image capture, and the use of off-camera lighting. You will learn about various lighting and composition techniques for capturing professional portraits, and stock photography images. You will develop workflow procedures for sorting, preparing, and exporting, of your images. You will prepare industry standard images for inclusion within digital and print-ready files.

PHSC 20 Physical Science 20

Credit Units: 1.0 Course Hours: 100.0

This course combines chemistry and physics in an integrated manner to investigate concepts related to heating and cooling, the foundations of chemistry, including the mole and quantitative analysis of molecules and chemical reactions, and the characteristics and properties of waves. Student inquiry will guide independent investigations of physical science phenomena. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

PHSC 20CE Physical Science 20

Credit Units: 1.0 Course Hours: n/a

This course combines chemistry and physics in an integrated manner to investigate concepts related to heating and cooling, the foundations of chemistry, including the mole and quantitative analysis of molecules and chemical reactions, and the characteristics and properties of waves. Student inquiry will guide independent investigations of physical science phenomena. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

PHYS 100 Physics

Credit Units: 6.0 Course Hours: 90.0

You will study principles of physics at the post-secondary level. The areas of classical physics that apply to currently prevalent technologies will be emphasized. These include electromagnetic field theory, mechanics, thermodynamics and optics.

PHYS 101 Engineering Physics

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): PHYS 121

You will study circular and simple harmonic motion. You will apply vectors and Newton's laws in linear and rotational systems. You will investigate work, power, mechanical energy, momentum, and impulse. You will study the properties of heat and temperature, and the laws of thermodynamics. This course is intended to build critical thinking and problem-solving skills.

PHYS 102 Applied Physics

Credit Units: 4.0 Course Hours: 64.0

Equivalent Course(s): MECA 121

Your studies will focus on the basic physics principles of: vectors; Newton's three laws of motion; work, energy, power, impulse and momentum; temperature, heat, and fluid mechanics.

PHYS 103 Physics 1 for Geomatics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MAT 110

You will study some principles of systematic thinking and problem solving as found in physics and encountered in the fields of Geomatics mapping and surveying. You will practice calculation management involving numbers, vectors and data as found in Newtonian mechanics, work and energy, temperature and thermal stress and strain.

PHYS 104 Physics for Engineering Technologies

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): PHYS 102

You will apply vectors and Newton's laws of motion to force systems. You will study work, power and the conservation of mechanical energy. You will study momentum and collisions. You will study the properties of static and dynamic fluids, thermal energy and heat. This course is also intended to build critical thinking and problem-solving skills.

PHYS 105 Physics

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): PHYS 121

You will study vectors, forces, and Newton's laws of motion. You will study work, energy, power, impulse, and momentum. You will study electric fields, electric potential, and electric forces, as well as magnetic fields and magnetic forces.

PHYS 106 Physics

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MATH 189

You will be provided with an introduction to physics. Your studies will provide an overview of force electricity, magnetism, and optics. You will gain understanding of mechanical processes and energy exchange. You will also study basic circuitry. In the laboratory experiments you will use problem solving as an integral part of the course. You will receive an overview of the behaviour of light, geometrical optics, and wave optics. In the laboratory, you will explore each of these topics to illustrate the theory.

PHYS 107 Instrumentation Physics

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): PHYS 120

You will study rotational motion, fluid mechanics, temperature, heat and thermal properties of matter.

PHYS 121 Physics 1

Credit Units: 3.0 Course Hours: 48.0

Your studies will focus on the principles of vectors, translational and rotational equilibrium, torques, friction, translational motion, angular motion, work, energy, simple harmonic motion, wave motion, wave mechanics, sound, electric forces, electric fields and electric potential and magnetism.

PHYS 1500 Physics Bridging

Credit Units: 0.0 Course Hours: 50.0

Provides pre-requisite knowledge of physics for students to be prepared for the Physics 30 course.

PHYS 1801 Student Assist Physics

Credit Units: 0.0 Course Hours: 1.0

Student Assist Physics

PHYS 184 Physics

Credit Units: 3.0 Course Hours: 38.0

You will be introduced to physics concepts applicable to the principles of operating x-ray generating equipment, image formation, and radiation protection.

PHYS 184CE Physics

Credit Units: 3.0 Course Hours: n/a

You will be introduced to physics concepts applicable to the principles of operating x-ray generating equipment, image formation, and radiation protection.

PHYS 185 Physics

Credit Units: 3.0 Course Hours: 45.0

You will study the principles of basic physics with emphasis on various aviation topics including motion and energy.

PHYS 187 Physics

Credit Units: 4.0 Course Hours: 64.0

Prerequisite(s): MATH 189

Equivalent Course(s): PHYS 182

You will be provided with an introduction to physics. Your studies will focus on optics, nucleonics and electricity. You will receive an overview of the behaviour of light, geometrical optics, wave optics and optical instruments (including lasers and fibre optics). You will receive an introduction to the fundamental concept of radioactivity, rates of decay, nuclear reactions and radiation measurement. You will also study direct current measurements and circuitry, alternating current, transformer theory, rectification and filtering. In the laboratory experiments you will use problem solving as an integral part of the course.

PHYS 20 Physics 20

Credit Units: 1.0 Course Hours: 100.0

This course combines chemistry and physics in an integrated manner to investigate concepts related to heating and cooling, the foundations of chemistry, including the mole and quantitative analysis of molecules and chemical reactions, and the characteristics and properties of waves. Student inquiry will guide independent investigations of physical science phenomena. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

PHYS 200 Physics 2 for Geomatics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PHYS 103

Corequisite(s): GEOM 202

You will study elements of advanced concepts in the field of physics. You will study electricity and magnetism, waves, light and special relativity. A major focus is placed on optics. This course is intended to build theoretical knowledge of scientific principles relevant to geomatics.

PHYS 222 Physics 2

Credit Units: 3.0 Course Hours: 48.0

Prerequisite(s): PHYS 121

Equivalent Course(s): PHYS 225

You will become familiar with magnetism, thermometry and calorimetry, the first and second laws of thermodynamics, linear and curvilinear motion, impulse and momentum, uniform circular motion, simple harmonic motion, waves and sound, and elasticity.

PHYS 227 Physics: Statics and Strength of Materials

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): SCAL 122

You will investigate the physical properties of structural materials, including statics, moment of inertia and strength of materials. You will observe how engineers use these properties to select beams and columns from a table.

PHYS 228 Physics: Light, Heat and Sound

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on the fundamental principles of dynamics, light and illumination, electrical generation and distribution, heat production and transfer, fluid flow, vibration, waves and sound. The basic principles of physics in each of these areas will be studied in the context of building systems applications.

PHYS 30 Physics 30

Credit Units: 1.0 Course Hours: 100.0

In this course, students investigate concepts related to modern physics such as quantum mechanics, relativity, and nuclear physics. Students will analyze motion and the forces that cause motion from the perspective of Newtonian mechanics. Using the conservation laws of momentum and energy, students will analyze and predict the results of interactions between objects. Lastly, students will explore gravitational, electric, and magnetic fields and their interactions. Student inquiry will guide independent investigations of physics-related phenomena. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

PHYS 30CE Physics 30

Credit Units: 1.0 Course Hours: n/a

In this course, students investigate concepts related to modern physics such as quantum mechanics, relativity, and nuclear physics. Students will analyze motion and the forces that cause motion from the perspective of Newtonian mechanics. Using the conservation laws of momentum and energy, students will analyze and predict the results of interactions between objects. Lastly, students will explore gravitational, electric, and magnetic fields and their interactions. Student inquiry will guide independent investigations of physics-related phenomena. All courses are delivered remotely. Moose Jaw, Prince Albert, Regina, and Saskatoon residents may enroll in any of the courses listed. A laptop or desktop computer with internet access is necessary to participate. Regular, virtual attendance during scheduled course hours is required. The courses are not independent study. Attendance is mandatory the first night of classes. Make sure you set up your Sask Polytechnic account well in advance of your first class. All applicants must be a resident of Saskatchewan AND 19 years of age or 18 years of age and out of school one year to register for programming. Please see our Evening Programming page for upcoming course availability. CONTACT FOR ADDITIONAL INFORMATION: LAE.Evening@saskpolytech.ca

PIPE 100 Pumps and Pipe Fitting

Credit Units: 3.0 Course Hours: 45.0

You will learn the theory and practical application of process pumps and pipe systems.

PIPE 102 Pipe Fabrication Theory

Credit Units: 3.0 Course Hours: 45.0

You will discuss trigonometry as it applies to the piping trades. You will learn piping layout, pipe fabrication, support, and sleeving techniques. You will be introduced to the common piping materials utilized within the two trades. You also will define piping system protection and system commissioning.

PIPE 103 Pipe Fabrication Shop

Credit Units: 2.0 Course Hours: 30.0

You will work with copper, plastic, and steel piping materials to assemble shop projects. You will apply trigonometry and pipe fitting functions for solving piping offsets, and piping installations. You will install piping supports and sleeves in accordance to codebook protocols for optimal systems protection. You will test the piping systems in accordance with codes and the local authority having jurisdiction.

PIPE 182 Basic Piping Techniques

Credit Units: 3.0 Course Hours: 45.0

You will learn basic hand skills and the techniques used for piping and pipe joining. Your training will focus on cutting, reaming, swaging, flaring and bending techniques.

PL 30 Prior Learning Credit 30

Credit Units: 1.0 Course Hours: n/a

Recognizes learning acquired through employment, non-credit learning, journeyperson, work-based learning, or ABE 12 credits.

PLAN 100 Special Event Planning

Credit Units: 2.0 Course Hours: 30.0

You will plan special events involving food service suitable for health care settings. This will include a catering function.

PLAN 101 Kitchen Operations in Health Care Settings

Credit Units: 4.0 Course Hours: 60.0

You will learn the procedures necessary to manage a kitchen in a health care setting. Your studies will include purchasing and inventory functions in a health care setting. You will also study the process of preparing and delivering food services off site (Meals on Wheels) and you will have an opportunity to plan and schedule staff and other functions. You will understand the principles of cook/chill and re-therming foods.

PLAN 102 Fundamentals of Service

Credit Units: 4.0 Course Hours: 60.0

You will develop the skills used in the service of clients, patients, residents, and customers.

PLAN 179 Menu Development

Credit Units: 3.0 Course Hours: 45.0

You will learn the basic principles of menu planning and standardizing recipes as a tool for maintaining quality, controlling production, and simplifying purchasing. You will also plan various types of menus.

PLAN 182 Person-Centredness

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to person-centred planning in the context of program planning and implementation. You will study and practice the skills needed for accurate report writing and documentation.

PLAN 182CE Person-centred Planning

Credit Units: 3.0 Course Hours: n/a

You will be introduced to person-centred planning in the context of program planning and implementation. You will study and practice the skills needed for accurate report writing and documentation.

PLAN 183 Commercial Menu Planning

Credit Units: 1.0 Course Hours: 15.0

You will study the principles of menu planning in conjunction with menu formats and terminology and develop an understanding of the role the menu plays within a food service establishment. You will design a variety of menus typically found within the commercial food service industry.

PLAN 200 Food Service Planning and Layout

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): ADMN 285

You will be introduced to the complexities of designing, planning, and developing food service operations that make optimum use of money, materials, manpower and equipment to ensure customer and/or user satisfaction. You will study design, layout, workflow, equipment, food service functional areas, food production and delivery systems, and atmosphere development.

PLAN 201 Food Service Operations Planning

Credit Units: 2.0 Course Hours: 30.0

You will apply your food service management skills to plan and organize the operation of a food service establishment.

PLAN 202 Applied Service

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PLAN 102

You will develop communication, management, and practical service skills in a variety practice environments.

PLAN 281 Visual Media

Credit Units: 2.0 Course Hours: 24.0

Your studies will introduce you to design, branding, and multi-media presentations. The course content directs creative, cohesive design through print and digital media. You will develop skills necessary to communicate a refined aesthetic in business related presentations.

PLAN 282 Planning and Layout

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): ADMN 285

You will learn the conceptual approach to planning a facility with customer appeal as the primary goal; including planning guidelines, municipal codes, and interior design for hotels and food service operations. You will redesign a foodservice facility, including researching equipment specifications.

PLAN 286 Wine and Dine Planning

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): FOOD 192, FOOD 194, FOOD 172, FOOD 200*

Building on knowledge you have gained in the theoretical courses you will plan and organize the fine dining project including menu development, recipe standardization, food and beverage cost controls and scheduling.

PLAN 400 Construction Planning and Scheduling

Credit Units: 3.0 Course Hours: 45.0

You will learn how to schedule work crews, materials, equipment and cash flow for a construction project.

PLMB 100 Gasfitting

Credit Units: 3.0 Course Hours: 45.0

You will develop the required skills necessary for the installation of a domestic gas piping system. You will be introduced to the science behind the gas used in industry, along with the code requirements for the industry. The course emphasizes the safety factors involved in working with natural and propane gas and the importance of accurate code interpretation.

PLMB 101 Plumbing Systems

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENGP 181*

You will study plumbing systems in larger buildings. You will learn water supply and waste-water handling. You will also learn how to test and service plumbing fixtures.

PLMB 102 Codebook Theory

Credit Units: 3.0 Course Hours: 45.0

You will practice the fundamental use of the National Plumbing Code of Canada (NPC). You will explain the components of a potable water system and a drainage and vent system. You will apply the NPC in sizing the components of drainage and vent systems.

PLMB 103 Gasfitting Theory

Credit Units: 2.0 Course Hours: 30.0

You will develop the required skills necessary for the installation of a domestic gas piping system. You will be introduced to the gas science applications used in industry, along with the code requirements for proper piping installations. The course emphasizes the safety factors involved in working with natural and propane gas and the importance of accurate code interpretation.

PLMB 104 Gasfitting Shop

Credit Units: 1.0 Course Hours: 15.0

You will develop skillsets used for the installation of a domestic gas piping system. You will develop pressure testing protocols used in the gafitting field. The course emphasizes the safety factors involved in working with natural gas and the importance of accurate code interpretation.

PLPR 100 Introduction to Public Safety Communications

Credit Units: 4.0 Course Hours: 60.0

Your studies will cover the various roles and responsibilities that make up the field of Emergency Communications. You will learn about the various agencies and how they operate, the gathering of information in emergency settings, and an overview of telephone and radio system operations. You will also discuss professionalism and ethics as they apply to this field. At the end of this course you will have the opportunity to complete the APCO Public Safety Telecommunicator 1 Exam.

PLPR 101 Emergency Services Procedures

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PLPR 100*

Each emergency service, whether police, fire or ambulance is governed by specific laws, by-laws, standards, procedures and regulations. In this course you will examine specific procedures employed by each of the emergency services. Your studies will also include information on responding to traumatic events (disasters).

PLS 122 Single Dwelling Plans, Lighting and Services

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BT 100*, BWC 121*

Your studies will focus on electrical drawings and the installation requirements for single dwelling services. You will learn how to read and interpret construction drawings and apply lighting theory to determine lighting requirements for installations. You will also learn how to calculate the minimum size of service equipment. You will install a typical 100 amp overhead and underground single dwelling service.

PLST 120 Plastic Material Repair

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SFTY 126*

You will learn how to identify and repair plastic automotive parts and fibre-reinforced panels.

PNTG 100 Basic Painting 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SFTY 126*

Corequisite(s): PNTG 101

You will focus on preparing substrate (including sanding, masking, paint stripping and applying primers, surfacers, and sealers). The course content includes mixing and applying paint to single and multiple panels, and cleaning and servicing spray guns.

PNTG 101 Basic Painting 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SFTY 126*

Corequisite(s): PNTG 100

You will learn how to polish new and old finishes, and clean and detail vehicles for delivery. You will also learn how to service spray booths and air supply systems.

PNTG 102 Advanced Painting 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): (METL 111, METL 112, METL 113, PLST 120, PNTG 100, PNTG 101), SFTY 126*

Corequisite(s): PNTG 103

You will learn how to match colour, use blending techniques and do spot repairs. You will also learn how to remove and replace vinyl transfers.

PNTG 103 Advanced Painting 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): (METL 111, METL 112, METL 113, PLST 120, PNTG 100, PNTG 101), SFTY 126*

Corequisite(s): PNTG 102

Your project will be to paint a vehicle and prepare for delivery.

PNTG 120 Basic Painting

Credit Units: 7.0 Course Hours: 100.0

Prerequisite(s): DOOR 120, ELEC 120, SFTY 126*

You will focus on preparing substrate (including sanding, masking, paint stripping and applying primers, surfacers and sealers). The course content includes mixing and applying paint to single and multiple panels, preparing and painting plastics, and cleaning and servicing spray guns, spray booths and air supply systems. You will also learn how to polish new and old finishes, and clean and detail vehicles for delivery.

PNTG 220 Advanced Painting

Credit Units: 8.0 Course Hours: 118.0

Prerequisite(s): DOOR 120, GLAS 120, PLST 120, PNTG 120, SFTY 126*, SHME 120

You will learn how to match colour, use blending techniques and do spot repairs. You will also learn how to remove and replace wood grain transfers, decals and pin striping, identify and correct paint defects, and apply tri-coat finishes. Your project will be to paint a vehicle.

PR 145 Customer Service

Credit Units: 2.0 Course Hours: 30.0

You will examine the value of customer service and retention of customers through the provision of excellent service. The course content includes the principles of good customer service, telephone skills, handling complaints, and dealing with difficult people.

PR 145CE Customer Service

Credit Units: 2.0 Course Hours: n/a

You will examine the value of customer service and retention of customers through the provision of excellent service. The course content includes the principles of good customer service, telephone skills, handling complaints, and dealing with difficult people.

PR 281 Community Public Relations

Credit Units: 3.0 Course Hours: 45.0

You will learn the basics of public relations theory and practice including public relations writing and media relations. You will learn about the nature of publicity and use basic public relations tools such as news releases, interviews, press conferences, e-newsletters and social media.

PR 401 Professionalism and Ethics in Law Enforcement

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): PR 441

You will study essential principles of a professional code of conduct and the importance of developing and maintaining solid ethics.

PRAC 010 Customer Service Practicum 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): BUS 010*, NAIL 010*

You will practice nail salon duties and provide quality customer service through teamwork, communications, and professional practices. You will prepare to work as a nail technician by practicing under the direct supervision of an instructor until skills improve to industry standards.

PRAC 010CE Customer Service Practicum 1

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): BUS 010*, NAIL 010*

You will practice nail salon duties and provide quality customer service through teamwork, communications, and professional practices. You will prepare to work as a nail technician by practicing under the direct supervision of an instructor until skills improve to industry standards.

PRAC 011 Customer Service Practicum 2

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): PRAC 010*

You will demonstrate mastery in performing all nail technician services. You will participate in a mock journeyperson evaluation.

PRAC 011CE Customer Service Practicum 2

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): PRAC 010*

You will demonstrate mastery in performing all nail technician services. You will participate in a mock journeyperson evaluation.

PRAC 102 Practicum

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): BUS 148, BUS 153, BUS 158, COAP 107, COMP 170, FIN 145, FIN 146, FIN 150, HR 146, MGMT 150, MKTG 148, MKTG 157, ORTN 145, PD 143, PR 145, SFTY 151, SYST 147

You will spend four weeks in a retail business. You will have an opportunity to observe the operations of the business and put your training to use.

PRAC 104 Practicum 1

Credit Units: 9.0 Course Hours: 135.0

Prerequisite(s): ECE 181, HUMD 183

You will use knowledge and skills developed in prerequisite courses to observe and record the behavior of children, to interact with children and adults in a supportive and positive manner, and to guide children's behavior using positive guidance strategies.

PRAC 104CE Practicum 1

Credit Units: 9.0 Course Hours: n/a

Prerequisite(s): ECE 181, HUMD 183

You will use knowledge and skills developed in prerequisite courses to observe and record the behavior of children, to interact with children and adults in a supportive and positive manner, and to guide children's behavior using positive guidance strategies.

PRAC 105 Practicum 2

Credit Units: 13.0 Course Hours: 194.0

Prerequisite(s): COMM 291, ECE 101, ECE 102, ECE 103, ECE 104, ECE 105, ECE 106, ECE 142, EMPL 180, PRAC 104

Equivalent Course(s): PRAC 119

Building on the skills, knowledge and attitudes that you have developed through your courses, you will demonstrate your ability to interact positively with children and adults. You will use your observation skills to plan and prepare developmentally appropriate curriculum. You will implement the curriculum and guide children's behavior effectively.

PRAC 105CE Practicum 2

Credit Units: 13.0 Course Hours: n/a

Prerequisite(s): COMM 291, ECE 101, ECE 102, ECE 103, ECE 104, ECE 105, ECE 106, ECE 142, EMPL 180, PRAC 104

Building on the skills, knowledge and attitudes that you have developed through your courses, you will demonstrate your ability to interact positively with children and adults. You will use your observation skills to plan and prepare developmentally appropriate curriculum. You will implement the curriculum and guide children's behavior effectively.

PRAC 108 Field Practicum 1

Credit Units: 11.0 Course Hours: 171.0

Prerequisite(s): EMER 159

You will participate in a field practicum placement at a Saskatchewan Emergency Medical Services (EMS) organization with a practicing advanced care paramedic preceptor. This practicum will allow you to review and integrate your basic life support (BLS) skills with your advanced care level of practice. You will participate in EMS orientations, review relevant policies and procedures, complete and comply with required legal documentation. You will demonstrate and meet the physical requirements of the profession.

PRAC 109 Clinical Practicum 1

Credit Units: 6.0 Course Hours: 96.0

Prerequisite(s): EMER 159, FTNS 162, SOCI 171, TCOM 102

You will participate in a clinical practicum placement at a Saskatchewan Health Authority (SHA) facility with a practicing registered nurse or physician. You will participate in a hospital orientation, review of relevant policies and procedures, and completion of and compliance with required legal documentation. You will provide care for patients in the emergency department, operating room and cardiac care units of the hospital. You will demonstrate the various roles and responsibilities of the Advanced Care Paramedic as outlined within the National Occupational Competency Profiles (NOCP) for the Paramedic Practitioner of Canada.

PRAC 110 Venipuncture Practicum

Credit Units: 5.0 Course Hours: 74.0

Prerequisite(s): ETHC 185, PROC 181, PROC 184

You will participate in a supervised clinical experience. The clinical experience will assist you in developing competent venipuncture skills.

PRAC 110CE Venipuncture Practicum

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): ETHC 185, PROC 181, PROC 184

You will participate in a supervised clinical experience. The clinical experience will assist you in developing competent venipuncture skills.

PRAC 113 Community Paramedic Practicum

Credit Units: 14.0 Course Hours: 210.0

Prerequisite(s): GERI 100, HLTH 100, HLTH 101, HLTH 102, HLTH 103, MHA 100, PALL 100

You will participate in a clinical practicum placement with a preceptor. This placement will take place in a variety of community-based client care facilities. You will conduct assessments, develop plans, and care for patients in the community including palliative, mental health, substance abuse, home health, geriatric and dementia patients. You will practice effective communication and function as an effective team member while complying with relevant legislation. This practicum will allow you to apply all skills and knowledge gained in the previous Community Paramedic courses.

PRAC 113CE Community Paramedic Practicum

Credit Units: 14.0 Course Hours: n/a

Prerequisite(s): GERI 100, HLTH 100, HLTH 101, HLTH 102, HLTH 103, MHA 100, PALL 100

You will participate in a clinical practicum placement with a preceptor. This placement will take place in a variety of community-based client care facilities. You will conduct assessments, develop plans, and care for patients in the community including palliative, mental health, substance abuse, home health, geriatric and dementia patients. You will practice effective communication and function as an effective team member while complying with relevant legislation. This practicum will allow you to apply all skills and knowledge gained in the previous Community Paramedic courses.

PRAC 114 Spa Reception and Retail Practicum

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SANT 110*, ESTH 101*, BUS 103*

Your studies will focus on telephone skills, processing payments, maintaining records and opening and closing reception duties in a spa. You will practice your reception skills in the spa along with selling products and services, merchandising retail products and managing a spa. You will operate and maintain the spa dispensary.

PRAC 115 Dental Assisting Practicum 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): APHY 160, DENT 159, DENT 166, DNTL 167, DNTL 168, DNTL 169, DNTL 171, DNTL 172, DNTL 173

In a general dental practice, you will observe the various roles of the dental assistant to prepare you to participate as a member of the dental team. You will observe dental professionals performing various procedures. You will perform dental assisting skills under the mentorship of a licensed dental assistant. Your mentor(s), in partnership with the dentist will offer feedback and evaluate your employability and dental assisting skills.

PRAC 116 Practicum 1

Credit Units: 4.0 Course Hours: 54.0

Prerequisite(s): EMER 155

Your placement will allow you to participate in a clinical and/or field practicum placement within the Saskatchewan Health Authority (SHA). You will be assigned a practicing registered nurse and/or paramedic preceptor. Your placement will include participation in an Emergency Medical Services (EMS) and a hospital orientation, a review of relevant policies and procedures, and the completion of and compliance with required legal documentation. You will practice patient assessments, using treatment modalities while utilizing ambulance and hospital equipment. You will demonstrate and meet lifting requirements.

PRAC 117 Practicum 2

Credit Units: 18.0 Course Hours: 276.0

Prerequisite(s): PRAC 116

You will participate in a clinical and field practicum placement within the Saskatchewan Health Authority (SHA) with assigned practicing registered nurse and paramedic preceptors. Your placement will include participation in a review of relevant policies, procedures, and the completion of and compliance with required legal documentation. You will conduct independent patient assessments, using treatment modalities while utilizing ambulance and hospital equipment. This final field practicum will allow you to apply all skills and knowledge gained in the previous three semesters at the primary care paramedic level. You will work with less direction and intervention from preceptors as you progress towards independent paramedic practice. You will demonstrate and meet lifting requirements. You will demonstrate the various roles and responsibilities of the Primary Care Paramedic as outlined within the National Occupational Competency Profiles (NOCP) for the Paramedic Practitioner of Canada.

PRAC 118 Community Pharmacy Experience

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMM 291, SFTY 179

You will participate in the workflow of a community pharmacy. You will support pharmacy operations and reflect on your role as a pharmacy technician. You will work in the public access area and dispensary of the pharmacy. You will discuss opportunities to practice to your full scope.

PRAC 119 Practicum 2

Credit Units: 9.0 Course Hours: 135.0

Prerequisite(s): HUMD 102, ECE 100, ECE 106, ECE 107, ECE 108, ECE 109, ECE 142, PD 100, PRAC 104

Equivalent Course(s): PRAC 105

You will demonstrate your ability to build positive and responsive relationships with children and adults. You will use your observation skills to plan and prepare a culturally relevant emergent curriculum based on children's interests and family engagement.

PRAC 119CE Practicum 2

Credit Units: 9.0 Course Hours: n/a

Prerequisite(s): HUMD 102, ECE 100, ECE 106, ECE 107, ECE 108, ECE 109, ECE 142, PD 100, PRAC 104

You will demonstrate your ability to build positive and responsive relationships with children and adults. You will use your observation skills to plan and prepare a culturally relevant emergent curriculum based on children's interests and family engagement.

PRAC 121 Industrial Attachment

Credit Units: 0.0 Course Hours: 60.0

Prerequisite(s): SFTY 126*

You will become familiar with the industry as you spend two weeks in an auto body repair shop.

PRAC 131 Allied Services Practicum

Credit Units: 5.0 Course Hours: 80.0

You will observe addictions professionals in practice in an allied human health service organization. You will participate in case management, the referral process, managing client's files and will consult within an inter-professional team. You will also assist clients to connect to community resources and evaluate access to mental health and addictions services in the health care system.

PRAC 137 Practicum

Credit Units: 4.0 Course Hours: 60.0

You will spend two weeks in a retail business. You will have an opportunity to put your training to use and gain the confidence and skills to launch a successful retail career.

PRAC 159 Practicum

Credit Units: 8.0 Course Hours: 120.0

You will spend four weeks/120 hours (unpaid) in a small business. You will have an opportunity to observe the operations of the business and to put your training to use.

PRAC 165 Health Information Practicum 1

Credit Units: 11.0 Course Hours: 165.0

Prerequisite(s): HINF 161, PATH 273, COMM 262, APHY 200, CLIN 237

You will apply your previously learned theory and experience in health information management while working in a health care agency. Your practicum will focus on coding. You will have an opportunity to practice abstracting and presenting data.

PRAC 165CE Health Information Practicum 1

Credit Units: 11.0 Course Hours: n/a

Prerequisite(s): HINF 161, PATH 273, COMM 262, APHY 200, CLIN 237

You will apply your previously learned theory and experience in health information management while working in a health care agency. Your practicum will focus on coding. You will have an opportunity to practice abstracting and presenting data.

PRAC 166 Service Excellence Practicum

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CUST 160

The Service Excellence Practicum is an opportunity to put your action plan for personal improvement into effect. You will also have an opportunity to apply your integrated service excellence skills and to observe service excellence as a member of a client service team.

PRAC 171 Orientation to Recreation and Community Development Services

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): RT 170

You will learn how theory relates to practical experience. You will spend four days with a practitioner who is involved in an area of your career interest. You will have the opportunity to have your resume reviewed and your interview skills tested by your host practitioner.

PRAC 172 Hotel Orientation Practicum

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HADM 188

Equivalent Course(s): WORK 183

You will participate in a two-week practicum where you will learn about the hotel rooms division. You will spend time at the front desk and in housekeeping.

PRAC 174 Practicum 1

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): EDUC 180, PD 101, SPSY 281, HUMD 101

Equivalent Course(s): WORK 187

You will participate in a four-week practicum in a K – 6 or grade 7 -12 classroom setting. You will have the opportunity to apply theory to practice while supporting and assisting the classroom teacher. Under the supervision of the classroom teacher, you will work in basic subject areas with individuals or small groups.

PRAC 174CE Practicum 1

Credit Units: 8.0 Course Hours: n/a

Prerequisite(s): EDUC 180, PD 101, SPSY 281, HUMD 101

You will participate in a four-week practicum in a K – 6 or grade 7 -12 classroom setting. You will have the opportunity to apply theory to practice while supporting and assisting the classroom teacher. Under the supervision of the classroom teacher, you will work in basic subject areas with individuals or small groups.

PRAC 175 Practicum 2

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): EDUC 180, JOBS 125, CLTR 100, PERS 104, PD 101, SPSY 281, HUMD 101, PERS 103, HUMD 100, FMLY 181, COMM 291, SPSY 282, EDUC 181, PRAC 174

Equivalent Course(s): WORK 188

You will participate in a four-week practicum in a K– 6 or grade 7 -12 classroom setting. You will have the opportunity to apply theory to practice while supporting and assisting the classroom teacher. Under the supervision of classroom teachers, you will work with students who have challenging needs.

PRAC 175CE Practicum 2

Credit Units: 8.0 Course Hours: n/a

Prerequisite(s): EDUC 180, JOBS 125, CLTR 100, PERS 104, PD 101, SPSY 281, HUMD 101, PERS 103, HUMD 100, FMLY 181, COMM 291, SPSY 282, EDUC 181, PRAC 174

You will participate in a four-week practicum in a K– 6 or grade 7 -12 classroom setting. You will have the opportunity to apply theory to practice while supporting and assisting the classroom teacher. Under the supervision of classroom teachers, you will work with students who have challenging needs.

PRAC 176 Core Practicum

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): WORK 192*

You will spend two weeks in an approved funeral home and participate in assigned duties such as transfer of the deceased, case analysis of body/remains, non-embalming preparations and other duties under the direct supervision of a licensed embalmer and/or funeral director. You will be expected to demonstrate professionalism at all times.

PRAC 176CE Core Practicum

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): WORK 192*

You will spend two weeks in an approved funeral home and participate in assigned duties such as transfer of the deceased, case analysis of body/remains, non-embalming preparations and other duties under the direct supervision of a licensed embalmer and/or funeral director. You will be expected to demonstrate professionalism at all times.

PRAC 177 Therapeutic Recreation Practicum 1

Credit Units: 10.0 Course Hours: 150.0

Prerequisite(s): THRC 292, THRC 289

The course provides an opportunity for you to apply knowledge and principles learned in the program. You will develop interpersonal skills, leadership skills and leadership techniques, explore how the agency meets the needs of its clientele and plan, implement and evaluate therapeutic recreation programs.

PRAC 177CE Therapeutic Recreation Practicum 1

Credit Units: 9.0 Course Hours: n/a

Prerequisite(s): THRC 292, THRC 289

The course provides an opportunity for you to apply knowledge and principles learned in the program. You will develop interpersonal skills, leadership skills and leadership techniques, explore how the agency meets the needs of its clientele and plan, implement and evaluate therapeutic recreation programs.

PRAC 182 Work Experience

Credit Units: 0.0 Course Hours: 80.0

You will participate in a work placement to further your understanding of workplace employer needs.

PRAC 189 Practicum

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): HLTH 187, HLTH 189, HLTH 190, HLTH 191, HUMR 102, SFTY 199, SFTY 177*, SFTY 198*

You will preceptor with an occupational health and safety professional. This experience will allow you to apply the theory and skills you learned in previous courses in a real-world work environment.

PRAC 189CE Practicum

Credit Units: 5.0 Course Hours: n/a

Prerequisite(s): HLTH 187, HLTH 189, HLTH 190, HLTH 191, HUMR 102, SFTY 199, SFTY 177*, SFTY 198*

You will preceptor with an occupational health and safety professional. This experience will allow you to apply the theory and skills you learned in previous courses in a real-world work environment.

PRAC 193 Retail Operations

Credit Units: 4.0 Course Hours: 60.0

In this course the student cohort will utilize the skills acquired from the previous retail sections. The group will plan, order supplies, produce and market their products while working within an assigned skill section. You will also prepare for your ongoing career development by creating/updating your resume and cover letter.

PRAC 200 Customer Service Practicum 1

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): HAIR 100*, HAIR 101*, HAIR 102*, HAIR 103*, BUS 101*, HAIR 104*, HAIR 105*, HAIR 106*, HAIR 107*, HAIR 108*, HAIR 111*, HAIR 113*, SANT 108*

You will become familiar with salon practices and gain experience in dealing with clients and reinforcing the skills you have practiced on mannequins and other students. You will prepare to work as a hairstylist by practicing under the direct supervision of an instructor.

PRAC 201 Customer Service Practicum 2

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): PRAC 200*

You will focus on professionalism in the salon, teamwork and customer service at a basic level.

PRAC 202 Customer Service Practicum 3

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): PRAC 201*

You will learn how to become more efficient in your skills in dealing with clients and learning the best practices of salon client consultation. You will prepare to work as a hairstylist by practicing under the direct supervision of an instructor.

PRAC 203 Customer Service Practicum 4

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): PRAC 202*

You will develop a clientele and work with co-workers to provide quality customer service. You will prepare to work as a hairstylist by practicing with moderate supervision of an instructor and learn industry professionalism.

PRAC 204 Customer Service Practicum 5

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): PRAC 203*

You will gain experience in dealing with conflict and consult with clients independently. You will prepare to work as a hairstylist by practicing with minimal supervision of an instructor.

PRAC 205 Customer Service Practicum 6

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): PRAC 204*

You will demonstrate mastery in performing all hairstylist services. You will participate in a mock Journeyperson evaluation.

PRAC 208 Practicum

Credit Units: 11.0 Course Hours: 165.0

Prerequisite(s): ASRT 180, CLTR 100, CAPL 151, COM 101, COMM 291, FIN 281, FOOD 109, FOOD 183, FOOD 115, FOOD 202, FOOD 203, FOOD 281, HLTH 200, HR 202*, LEAD 203*, MKTG 181, MKTG 283, NUTR 194, NUTR 202, NUTR 203*, PLAN 179, PLAN 200*, PLAN 201*, PLAN 202

You will be assigned to an acute care, long term care and/or commercial setting for on-the-job training and experience.

PRAC 209 Esthetics Customer Service Practicum 1

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): ESTH 103*, ESTH 107*, NAIL 101*, PRAC 114*, BUS 103*

You will become familiar with spa practices and gain experience in dealing with clients and reinforcing the skills you have practiced. You will prepare to work as a skin care technician by practicing under the direct supervision of an instructor.

PRAC 210 Esthetics Customer Service Practicum 2

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): ESTH 104*, ESTH 106*, PRAC 209*

You will learn to become more efficient in your skills in dealing with clients and learning the best practices of spa client consultation. You will prepare to work as a skin care technician by practicing under the direct supervision of an instructor. You will build on the skills you learned in PRAC 209.

PRAC 211 Esthetics Customer Service Practicum 3

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): PRAC 210*

You will gain experience in dealing with conflict and consult with clients independently. You will prepare to work as a skin care technician by practicing with minimal supervision of an instructor. You will build on skills you learned in PRAC 210.

PRAC 212 Field Practicum

Credit Units: 34.0 Course Hours: 504.0

Prerequisite(s): EMER 281, PRAC 109, EMER 120

You will participate in a field practicum placement at a Saskatchewan Emergency Medical Services (EMS) organization with a practicing Advanced Care Paramedic preceptor. You will work with less direction and intervention from preceptors as you progress towards independent paramedic practice. This placement includes participation in EMS orientations, review of relevant policies and procedures, and completion of and compliance with required legal documentation. You will demonstrate and meet the physical requirements of the profession. You will demonstrate the various roles and responsibilities of the advanced care paramedic as outlined within the National Occupational Competency Profiles (NOCP) for the Paramedic Practitioner of Canada.

PRAC 213 Clinical Practicum 2

Credit Units: 9.0 Course Hours: 128.0

Prerequisite(s): EMER 281, PRAC 109, EMER 120

You will participate in a clinical practicum placement at a Saskatchewan Health Authority (SHA) facility with an assigned practicing registered nurse or physician. You will participate in a hospital orientation, review of relevant policies and procedures, and completion of and compliance with required legal documentation. You will provide care for patients in the emergency department, operating room, labour and birth, pediatrics and palliative care. You will demonstrate the various roles and responsibilities of the Advanced Care Paramedic as outlined within the National Occupational Competency Profiles (NOCP) for the Paramedic Practitioner of Canada.

PRAC 214 Occupational Health Nursing Practice Education

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): NRSG 292

You will be provided with a field work opportunity and spend 80 hours in an occupational health setting, preferably in an industry setting. You will be mentored by a registered nurse who is employed in an occupational setting.

PRAC 214CE Occupational Health Nursing Practice Education

Credit Units: 5.0 Course Hours: n/a

Prerequisite(s): NRSG 292

You will be provided with a field work opportunity and spend 80 hours in an occupational health setting, preferably in an industry setting. You will be mentored by a registered nurse who is employed in an occupational setting.

PRAC 215 Salon Reception and Retail Practicum

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HAIR 100*, BUS 101*

Your studies will focus on telephone skills, processing payments, maintaining records and opening and closing reception duties in a hair salon. You will practice your reception skills in the salon along with selling products and services, merchandising retail products and managing a salon. You will operate and maintain the hair salon dispensary.

PRAC 216 Customer Service Practicum 4

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): PRAC 210*

You will demonstrate mastery in performing all skin care technician services. You will participate in a mock journey person evaluation.

PRAC 217 Practicum 3

Credit Units: 9.0 Course Hours: 135.0

Prerequisite(s): PRAC 119

Equivalent Course(s): PRAC 244

You will gain competence in working with children, families and communities in early learning and childcare education programs. You will complete the first of two practicums in one of the following specialized areas: infant, toddler, diverse needs, frontline educator and administrative.

PRAC 218 Practicum 4

Credit Units: 9.0 Course Hours: 135.0

Prerequisite(s): PRAC 217, ADMN 208, HUMD 200, PD 240, ECE 202, ECE 203, ECE 204, ECE 205, ECE 220, ECE 221, ECE 226

Equivalent Course(s): PRAC 245

You will gain competence in working with children, families and communities in early learning and childcare education programs. You will complete the second of two practicums in one of the following specialized areas: infant, toddler, diverse needs, frontline educator and administrative.

PRAC 219 Correctional Studies Practicum

Credit Units: 11.0 Course Hours: 160.0

You will participate in a workplace practicum in a correctional setting. You will have the opportunity to practice and enhance your skills in a correctional setting.

PRAC 220 Consolidated Practice Education A

Credit Units: 5.0 Course Hours: 80.0

You will apply interpersonal and counselling skills in a mental health and addictions practice setting. You will engage in evidence-based practice and ethical decision making while interacting with clients. You will demonstrate competence in case file management, intake process, administering and interpret screening results, assess, and design a treatment plan.

PRAC 221 Consolidated Practice Education B

Credit Units: 21.0 Course Hours: 320.0

Prerequisite(s): PRAC 220

You will advance your professional practice and counselling skills through increased individual and group client counselling hours. Some of the specific skills you will build on include facilitating client psycho-education, intervening in crisis situations under supervision, designing a client treatment plan, completing the referral process, participating in inter-professional consultation, and demonstrating cultural sensitivity. You will also identify your professional learning goals and evaluate your current professional development plan.

PRAC 222 Indigenous Policing Foundations Practicum

Credit Units: 11.0 Course Hours: 160.0

You will participate in a community workplace practicum that provides services to Indigenous clients.

PRAC 244 Practicum 3

Credit Units: 13.0 Course Hours: 194.0

Prerequisite(s): ECE 221, (ECE 201 or ECE 202 or SPSY 289)

Equivalent Course(s): PRAC 217

The course provides you with an opportunity to gain competence working with children, families and communities in early childhood education programs. Practicum options include: a practicum in an infant program, a practicum in a toddler program, a practicum working with children and supporting a child(ren) with diverse abilities, or a practicum working as a frontline educator. All practicums include reflective journaling and require students to use observation to plan curriculum focused on the needs and interests of children in a particular setting. Dependent on the practicum chosen, practicum experiences may include creating documentation panels, completing a PPP based on the Ministry of Education's format, or using the Project Approach to plan a research topic with children.

PRAC 244CE Practicum 3

Credit Units: 13.0 Course Hours: n/a

Prerequisite(s): ECE 221, (ECE 201 or ECE 202 or SPSY 289)

The course provides you with an opportunity to gain competence working with children, families and communities in early childhood education programs. Practicum options include: a practicum in an infant program, a practicum in a toddler program, a practicum working with children and supporting a child(ren) with diverse abilities, or a practicum working as a frontline educator. All practicums include reflective journaling and require students to use observation to plan curriculum focused on the needs and interests of children in a particular setting. Dependent on the practicum chosen, practicum experiences may include creating documentation panels, completing a PPP based on the Ministry of Education's format, or using the Project Approach to plan a research topic with children.

PRAC 245 Practicum 4

Credit Units: 13.0 Course Hours: 194.0

Prerequisite(s): ADMN 204, COMM 294, ECE 200, ECE 201, ECE 202, ECE 220, ECE 221, ECE 226, HUMD 200, PD 240, PRAC 244, SPSY 289

Equivalent Course(s): PRAC 218

The course provides you with an opportunity to gain competence working with children, families and communities in early childhood education programs. Practicum options include: a practicum in an infant program, a practicum in a toddler program, a practicum working with children and supporting a child(ren) with diverse abilities, or a practicum working as a frontline educator. All practicums include reflective journaling and require students to use observation to plan curriculum focused on the needs and interests of children in a particular setting. Dependent on the practicum chosen, practicum experiences may include creating documentation panels, completing a PPP based on the Ministry of Education's format, or using the Project Approach to plan a research topic with children.

PRAC 245CE Practicum 4

Credit Units: 13.0 Course Hours: n/a

Prerequisite(s): ADMN 204, COMM 294, ECE 200, ECE 201, ECE 202, ECE 220, ECE 221, ECE 226, HUMD 200, PD 240, PRAC 244, SPSY 289

The course provides you with an opportunity to gain competence working with children, families and communities in early childhood education programs. Practicum options include: a practicum in an infant program, a practicum in a toddler program, a practicum working with children and supporting a child(ren) with diverse abilities, or a practicum working as a frontline educator. All practicums include reflective journaling and require students to use observation to plan curriculum focused on the needs and interests of children in a particular setting. Dependent on the practicum chosen, practicum experiences may include creating documentation panels, completing a PPP based on the Ministry of Education's format, or using the Project Approach to plan a research topic with children.

PRAC 247 Detoxification Practicum

Credit Units: 5.0 Course Hours: 80.0

Equivalent Course(s): WORK 250

You will integrate theory and simulated practice in a detoxification setting. You will apply knowledge and skills to contribute to the agency's goals and activities. You will observe and engage in supervised practice activities programs, policies and expectations around detoxification models and processes. You will apply Motivational Interviewing strategies.

PRAC 262 Health Information Practicum 2

Credit Units: 19.0 Course Hours: 285.0

Prerequisite(s): CLIN 288, HINF 266, COSC 262, HINF 260, HINF 262, HINF 263, HINF 264, HINF 265, STAT 260

Your practical experience will help you acquire experience working in the health information field. You will develop your professional skills by promoting both the health information profession and program.

PRAC 262CE Health Information Practicum 2

Credit Units: 19.0 Course Hours: n/a

Prerequisite(s): CLIN 288, HINF 266, COSC 262, HINF 260, HINF 262, HINF 263, HINF 264, HINF 265, STAT 260

Your practical experience will help you acquire experience working in the health information field. You will develop your professional skills by promoting both the health information profession and program.

PRAC 274 Dental Assisting Practicum 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CLIN 110, DENT 282, DNTL 174, DNTL 262, PATH 262, RDGR 162, PRAC 115, DENT 180*

Equivalent Course(s): PRAC 265

You will collaborate with a dental team in a general dental practice to enhance the development of your clinical skills. You will take responsibility for identifying your own learning needs and apply learning strategies. A focus will be on employability skills and confidently performing chairside dental assistant skills. You will work under the mentorship of a licenced dental assistant who, in partnership with the dentist, will offer feedback and evaluate your dental assisting skills.

PRAC 275 Dental Assisting Practicum 3

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CLIN 111*, DNTL 175*, PRAC 274*, RDGR 163*, DENT 180*

In a general dental practice, you will perform the roles of the dental assistant to prepare you to transition to an employment situation. You will work under the mentorship of a licensed dental assistant (or faculty member) who, in partnership with the dentist, will offer feedback and evaluate your dental assisting competencies.

PRAC 276 Specialization Field Placement

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): FOOD 172

You will be assigned to apply related classroom learning to real world experience in the field of your specialization. Your work experience will complement your academic training.

PRAC 277 Embalming Practicum

Credit Units: 16.0 Course Hours: 240.0

Prerequisite(s): APHY 189, COM 101, COMM 291, ETHC 184, MICR 185, PD 143, ORTN 199, PRAC 176, LEAD 180, WORK 192, PATH 186*, FNRL 180*, FNRL 183*

You will spend eight weeks in an approved funeral home and participate in all aspects of the embalming process under the direct supervision of a licensed embalmer. You will also participate in restorative art procedures. You will be expected to submit case studies of all embalming and restorative art procedures to your supervisor. You will model professional attitudes and practices in all aspects of your assigned duties.

PRAC 277CE Embalming Practicum

Credit Units: 16.0 Course Hours: n/a

Prerequisite(s): APHY 189, COM 101, COMM 291, ETHC 184, MICR 185, PD 143, ORTN 199, PRAC 176, LEAD 180, WORK 192, PATH 186*, FNRL 180*, FNRL 183*

You will spend eight weeks in an approved funeral home and participate in all aspects of the embalming process under the direct supervision of a licensed embalmer. You will also participate in restorative art procedures. You will be expected to submit case studies of all embalming and restorative art procedures to your supervisor. You will model professional attitudes and practices in all aspects of your assigned duties.

PRAC 278 Funeral Director Practicum

Credit Units: 16.0 Course Hours: 240.0

Prerequisite(s): FNRL 181, FNRL 281

You will spend eight weeks in an approved funeral home and participate in funeral arrangements and directing funeral services under the direct supervision of a licensed funeral director. You will model professional attitudes and practices in all aspects of your assigned duties.

PRAC 278CE Funeral Director Practicum

Credit Units: 16.0 Course Hours: n/a

Prerequisite(s): FNRL 181, FNRL 281

You will spend eight weeks in an approved funeral home and participate in funeral arrangements and directing funeral services under the direct supervision of a licensed funeral director. You will model professional attitudes and practices in all aspects of your assigned duties.

PRAC 280 Therapeutic Recreation Practicum 2

Credit Units: 15.0 Course Hours: 225.0

Prerequisite(s): PRAC 177, SOCI 171, THRC 281, THRC 283, THRC 284, THRC 293

You will integrate the knowledge and experience you gained from course work and practical experience. You will apply client assessment techniques, activity analysis and selection, and individual and group program-planning skills. You will also continue to develop your professional skills.

PRAC 280CE Therapeutic Recreation Practicum 2

Credit Units: 13.0 Course Hours: n/a

Prerequisite(s): PRAC 177, SOCI 171, THRC 281, THRC 283, THRC 284, THRC 293

You will integrate the knowledge and experience you gained from course work and practical experience. You will apply client assessment techniques, activity analysis and selection, and individual and group program-planning skills. You will also continue to develop your professional skills.

PRAC 281 Therapeutic Recreation Practicum 3

Credit Units: 20.0 Course Hours: 300.0

Prerequisite(s): PRAC 280, THRC 286, THRC 290, THRC 291

You will continue to develop your ability to assess clients, design, implement and analyze therapeutic recreation programs and apply effective leadership and professional skills. You will also examine the administrative practices of a therapeutic recreation service and conduct an inservice related to the role of therapeutic recreation.

PRAC 281CE Therapeutic Recreation Practicum 3

Credit Units: 17.0 Course Hours: n/a

Prerequisite(s): PRAC 280, THRC 286, THRC 290, THRC 291

You will continue to develop your ability to assess clients, design, implement and analyze therapeutic recreation programs and apply effective leadership and professional skills. You will also examine the administrative practices of a therapeutic recreation service and conduct an inservice related to the role of therapeutic recreation.

PRAC 284 Veterinary Technology Senior Practicum

Credit Units: 21.0 Course Hours: 320.0

Prerequisite(s): PATH 201, PATH 202, VETR 287, PRST 280, COMM 291, NUTR 200, VETR 191, VETR 192, VETR 286, VETR 288, VETR 293, ANES 281*, PHAR 281*, VETR 282*, VETR 292*, VETR 296*

You will spend eight weeks in two different approved practicum facilities. Practicums must include at least one veterinary practice, and can include specialty or non-traditional facilities such as research. You will have the opportunity to apply knowledge and skills gained from the program in a workplace setting.

PRAC 285 Laboratory Practicum

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): GENE 284, IMMU 280, LABT 281, LABT 282, LABT 283, MICR 281

You will spend four weeks in a selected laboratory site applying acquired skills while participating in an ongoing or novel project. Placements may be in locations outside of Saskatoon; therefore, you may incur extra expenses. If you choose a location outside the province, you are not covered by Saskatchewan Workers' Compensation.

PRAC 291 Cytology Practicum 1

Credit Units: 24.0 Course Hours: 365.0

Prerequisite(s): SIMU 282

You will participate in a practical experience in gynecological and non-gynecological cytology and cytopreparatory technique. This will include a comprehensive review of your theoretical knowledge through routine screening, written and slide exercises, case studies and examinations.

PRAC 292 Cytology Practicum 2

Credit Units: 24.0 Course Hours: 365.0

Prerequisite(s): PRAC 291

You will participate in a practical experience in gynecological and non-gynecological cytology and cytopreparatory technique. This will include a comprehensive review of your theoretical knowledge through routine screening, written and slide exercises, case studies and examinations. You will maintain and build on the competencies achieved during Cytology Practicum 1 (PRAC 291).

PRAC 293 Recreation and Tourism Practicum

Credit Units: 10.0 Course Hours: 150.0

Equivalent Course(s): WORK 145

You will have the opportunity to apply the theory and the experience gained in this program through a practical experience. You will use the skills and knowledge to work as a front-line employee in the field of recreation, community development and tourism.

PRAC 294 Cytology Practicum 3

Credit Units: 24.0 Course Hours: 365.0

Prerequisite(s): PRAC 292

You will participate in a practical experience in gynecological and non-gynecological cytology and cytopreparatory technique. This will include a comprehensive review of your theoretical knowledge through routine screening, written and slide exercises, case studies and examinations. You will maintain and build on the competencies achieved during Cytology Practicum 1 (PRAC 291) and Cytology Practicum 2 (PRAC 292).

PRAC 295 Cytology Practicum 4

Credit Units: 24.0 Course Hours: 365.0

Prerequisite(s): PRAC 294

You will participate in a practical experience in gynecological and non-gynecological cytology and cytopreparatory technique. This will include a comprehensive review of your theoretical knowledge through routine screening, written and slide exercises, case studies and examinations. You will maintain and build on the competencies achieved during Cytology Practicum 1 (PRAC 291), Cytology Practicum 2 (PRAC 292) and Cytology Practicum 3 (PRAC 294).

PRAC 382 Practicum 1

Credit Units: 9.0 Course Hours: 135.0

Prerequisite(s): ORTN 382, PERS 103

You will apply knowledge and principles learned in the program. You will develop the skills needed to work as a disability support worker in a residential, centre-based or community-based agency which provides services to persons with disabilities.

PRAC 382CE Practicum 1

Credit Units: 8.0 Course Hours: n/a

Prerequisite(s): ORTN 382, PERS 103

You will apply knowledge and principles learned in the program. You will develop the skills needed to work as a disability support worker in a residential, centre-based or community-based agency which provides services to persons with disabilities.

PRAC 383 Practicum 2

Credit Units: 11.0 Course Hours: 165.0

Prerequisite(s): EMPL 180, CLTR 100, SAFE 109, HLTH 182, HLTH 104, HUMD 188, HUMS 180, PLAN 182, SPSY 291, SPSY 101, SPSY 186, COMM 291, PRAC 382

You will develop greater independence and expand the skill set needed to work as a disability support worker in a residential, centre-based, or community-based agency providing services to persons with disabilities.

PRAC 383CE Practicum 2

Credit Units: 10.0 Course Hours: n/a

Prerequisite(s): EMPL 180, CLTR 100, SAFE 109, HLTH 182, HLTH 104, HUMD 188, HUMS 180, PLAN 182, SPSY 291, SPSY 101, SPSY 186, COMM 291, PRAC 382

You will develop greater independence and expand the skill set needed to work as a disability support worker in a residential, centre-based, or community-based agency providing services to persons with disabilities.

PRAC 384 Practicum 1

Credit Units: 9.0 Course Hours: 135.0

Prerequisite(s): EMPL 180, MGMT 193, ORTN 385, SAFE 109, YCW 187

You will apply knowledge and skills learned in your coursework at a program or agency that provides youth and family services to persons at risk. Under the supervision of the agency, you will develop skills needed to work as a youth and family service worker in a social services, residential, educational, or community agency in Saskatchewan.

PRAC 384CE Practicum 1

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): EMPL 180, MGMT 193, ORTN 385, SAFE 109, YCW 187

Equivalent Course(s): PRAC 384

You will apply knowledge and skills learned in your coursework at a program or agency that provides youth and family services to persons at risk. Under the supervision of the agency, you will develop skills needed to work as a youth and family service worker in a social services, residential, educational, or community agency in Saskatchewan.

PRAC 385 Practicum 2

Credit Units: 9.0 Course Hours: 135.0

Prerequisite(s): COMM 291, HLTH 183, YCW 282, HUMD 188, REHA 281, SOCI 184, SOCI 185, YCW 188, YCW 189, YCW 284, PRAC 384

Building on the experience you gained in Practicum 1, you will develop greater independence and expand the skill set needed to work as an employee in social services, residential, educational, or community agency that provides youth and family services in Saskatchewan.

PRAC 385CE Practicum 2

Credit Units: 8.0 Course Hours: 120.0

Prerequisite(s): COMM 291, HLTH 183, YCW 282, HUMD 188, REHA 281, SOCI 184, SOCI 185, YCW 188, YCW 189, YCW 284, PRAC 384

Equivalent Course(s): PRAC 385

Building on the experience you gained in Practicum 1, you will develop greater independence and expand the skill set needed to work as an employee in social services, residential, educational, or community agency that provides youth and family services in Saskatchewan.

PRAC 398 Practicum 1

Credit Units: 12.0 Course Hours: 180.0

Prerequisite(s): HUMR 281, SEM 105, YCW 281, YCW 285

You will acquire extended experience working with program service individuals and families at risk. You will apply the knowledge gained through coursework and build helping skills needed for employment in work settings. You will assist with the assessment, planning, implementation and evaluation of case plans. You will facilitate, evaluate and revise program plans for established agency programs. You will lead agency programs and group work.

PRAC 398CE Practicum 1

Credit Units: 12.0 Course Hours: 180.0

Prerequisite(s): HUMR 281, SEM 105, YCW 281, YCW 285

Equivalent Course(s): PRAC 398

You will acquire extended experience working with program service individuals and families at risk. You will apply the knowledge gained through coursework and build helping skills needed for employment in work settings. You will assist with the assessment, planning, implementation and evaluation of case plans. You will facilitate, evaluate and revise program plans for established agency programs. You will lead agency programs and group work.

PRAC 399 Practicum 2

Credit Units: 12.0 Course Hours: 180.0

Prerequisite(s): ADMN 286, CLTR 180, COUN 180, HUMR 281, PRAC 398, PSYC 188, PSYC 189, SEM 105, SEM 200, SPSY 184, SPSY 290, YCW 281, YCW 283, YCW 285

You will have a second opportunity to acquire extended experience working with human services programs for at risk persons and groups. You will focus on the administration functions that youth care professionals carry out in the workplace. You will learn to develop your leadership, documentation, reporting and project management skills.

PRAC 399CE Practicum 2

Credit Units: 12.0 Course Hours: 180.0

Prerequisite(s): ADMN 286, CLTR 180, COUN 180, HUMR 281, PRAC 398, PSYC 188, PSYC 189, SEM 105, SEM 200, SPSY 184, SPSY 290, YCW 281, YCW 283, YCW 285

Equivalent Course(s): PRAC 399

You will have a second opportunity to acquire extended experience working with human services programs for at risk persons and groups. You will focus on the administration functions that youth care professionals carry out in the workplace. You will learn to develop your leadership, documentation, reporting and project management skills.

PRAC 484 Community Practicum

Credit Units: 11.0 Course Hours: 160.0

Prerequisite(s): COM 104, PHAR 188, PHAR 208, PHAR 209, PHAR 210, PHAR 211, PHAR 212, PHAR 213, PHAR 214, PHAR 218

You will practice as a pharmacy technician intern under the guidance and supervision of preceptor(s) in a community pharmacy. You will apply your knowledge of community pharmacy dispensing to actual practice. You will practice with the computer software systems and resources found in the community pharmacy to deliver professional pharmacy service. You will perform dispensary and front store functions required for pharmacy service. You will maintain patient confidentiality. You will effectively communicate with your patient, collaborate with the pharmacist and other healthcare providers to provide competent care. You will practice to your full scope of practice. Placements will be assigned in locations across the province.

PRAC 485 Hospital Practicum

Credit Units: 11.0 Course Hours: 160.0

Prerequisite(s): COM 104, PHAR 188, PHAR 208, PHAR 209, PHAR 210, PHAR 211, PHAR 212, PHAR 213, PHAR 214, PHAR 218

You will practice as a pharmacy technician intern under the guidance and supervision of preceptor(s) in a hospital. You will demonstrate aseptic technique to prepare sterile drug products. You will perform drug distribution, inventory, and checking functions required of a pharmacy technician in a hospital setting. You will maintain patient confidentiality and demonstrate professional behaviour. You will practice to your full scope of practice. Placements will be assigned in locations across the province.

PRNT 100 Blueprint Reading

Credit Units: 2.0 Course Hours: 30.0

You will study blueprint reading terminology and standards and interpret blueprints.

PRNT 106 Hand Drafting

Credit Units: 1.0 Course Hours: 15.0

You will apply the skills learned in drawing interpretation to sketch oblique, isometric, and orthographic drawings of three-dimensional objects.

PRNT 107 Drawing Interpretation and Welding Symbols

Credit Units: 2.0 Course Hours: 30.0

In this course you will be introduced to various technical drawings that are used in the construction and manufacturing industries. You will study the proper terminology and components of drawings. In this course students will be introduced to common structural, piping, vessel drawings and terminology. You will be introduced to weld joint design and welding symbol.

PRNT 108 Introduction to Computer Aided Design

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PRNT 106*, PRNT 107*

In this course you will be introduced to computer aided drawing methods used in the fabrication and welding industries. You will use computer assisted drawing software to draw parts and develop both two-and three-dimensional parts and assemblies.

PRNT 114 Drawing Interpretation

Credit Units: 2.0 Course Hours: 30.0

You will develop your ability to read and interpret welding and fabricating drawings.

PROC 180 General Laboratory Practice

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): INFC 180*, MTER 180*

You will learn the theory and practice required to perform basic procedures in a medical laboratory. The course content includes laboratory solution preparation with related calculation and standard laboratory equipment such as: glassware, centrifuges, balances, pipettes, thermal equipment, and microscopes. You will continue to apply previously learned laboratory theory and skills. You will learn the theory and practice required to perform basic procedures in a medical laboratory. The course content includes laboratory solution preparation with related calculation and standard laboratory equipment such as: glassware, centrifuges, balances, pipettes, thermal equipment, and microscopes. You will continue to apply previously learned laboratory theory and skills.

PROC 181 Specimen Collection and Handling

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): INFC 180

You will learn how to collect, handle and transport various laboratory specimens to ensure the quality of laboratory results. The collection of blood specimens will be emphasized. You will practice venous collection on a variety of simulation training aids.

PROC 181CE Specimen Collection and Handling

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): INFC 180

You will learn how to collect, handle and transport various laboratory specimens to ensure the quality of laboratory results. The collection of blood specimens will be emphasized. You will practice venous collection on a variety of simulation training aids.

PROC 182 Cytology Lab Procedures

Credit Units: 4.0 Course Hours: 61.0

Prerequisite(s): INFC 180

You will learn the theory and practice required to perform basic procedures in a laboratory. These include laboratory glassware, pipettes, use of balances, centrifuges and microscopes, and solution preparation with related calculations. Cytologic specimen preparation and staining will be emphasized.

PROC 183 Introduction to Basic Laboratory Procedures

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PROC 180*

You will receive the theory and practice required to perform basic procedures in the clinical laboratory areas of hematology and chemistry. You will demonstrate knowledge of quality management and the importance of critical thinking strategies. You will perform techniques required for erythrocyte sedimentation rate, preparing and staining peripheral smears, macroscopic urine testing, and point-of-care testing.

PROC 184 Basic Specimen Processing

Credit Units: 1.0 Course Hours: 12.0

Prerequisite(s): INFC 180, MTER 180

You will study the theory and practice required to perform basic specimen processing. You will focus on the use of centrifuges and transfer pipettes, specimen accessioning and aliquot techniques.

PROC 185 Laboratory Specimen Procurement

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): INFC 180*, MTER 180*

Equivalent Course(s): PROC 181, PROC 184

You will be introduced to the structure and function of the main medical laboratories in this course. Sample collection, handling, storage, and distribution will be covered, with an emphasis on the maintenance of specimen integrity.

PROF 100 Professional Practices 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): COMM 127

You will study professional practices and communication skills that are needed to work in a digital design and development environment. You will study personal management, employability, communication, teamwork, time management, and ethics. You will also explore the development of an online professional presence.

PROF 101 Professionalism in the Food Service Sector

Credit Units: 4.0 Course Hours: 60.0

You will learn strategies and skills needed to be successful in today's job market, as well as develop a resume and apply job search skills relevant to the field of food services and hospitality. You will also explore effective customer service in the food service industry.

PROF 102 Professionalism in Culinary Arts

Credit Units: 4.0 Course Hours: 60.0

You will learn the skills required to be a coach or leader in a food services setting. Your studies will also include the development of a cover letter and resume and the opportunity to practice job interview skills.

PROF 103 Professional Development

Credit Units: 3.0 Course Hours: 45.0

You will focus on your role as an administrative professional. This includes reflecting on professional development, lifelong learning, and goal setting. You will prepare for professional employment by learning interview strategies, developing a resume, cover letter and portfolio. You will review workplace topics such as employee rights and responsibilities, professionalism, and ethics.

PROF 200 Professional Practices 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PROF 100

You will develop the knowledge, skills, and attitudes to be a successful interactive project leader and team member. You will study freelance and project management processes and apply them to the creation of projects.

PROJ 101 Client Directed Project

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PROJ 202, PROF 200

You will develop a project according to an external client's specifications. You will learn and practice both technical soft skills as you create a project to a client's specifications and satisfaction. *Note: Students must complete either WORK 106 - Work Experience or PROJ 101 - Client Directed Project

PROJ 102 Shop Projects

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): PROJ 180

You will complete a welding project using the appropriate sequences of a job plan to fabricate, assemble and complete your project.

PROJ 104 Project

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MGMT 102, DGTL 204*, CIRC 102*

Corequisite(s): TCOM 104

You will design and construct a working electronic prototype. You will maintain appropriate documentation and provide regular progress updates to your advisor. You will present your research findings in a written report and oral presentation.

PROJ 105 Media Project

Credit Units: 3.0 Course Hours: 48.0

Prerequisite(s): MULT 131, AUDI 102, VDEO 103

You will select a media project of interest to you and produce it using the knowledge and skills developed in the previous courses. You will gain insight into your future career through an actual production project.

PROJ 108 Troubleshooting and Project

Credit Units: 3.0 Course Hours: 45.0

You will practice troubleshooting techniques through applying a logical course of action to problems. Your studies will consist of applied industry-standard, project-based troubleshooting focused on your Internet Protocol project. You will perform a presentation based on your Internet Protocol project.

PROJ 108CE Troubleshooting and Project

Credit Units: 4.0 Course Hours: n/a

You will practice troubleshooting techniques through applying a logical course of action to problems. Your studies will consist of applied industry-standard, project-based troubleshooting focused on your Internet Protocol project. You will perform a presentation based on your Internet Protocol project.

PROJ 109 Capstone Project

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): WORK 108

You will reflect on the skills, training, and knowledge you acquired throughout your work experience. Using the knowledge you acquired in the program, you will prepare a presentation recommending changes for the company for possible implementation.

PROJ 110 Project Initiation and Charter Development

Credit Units: 1.0 Course Hours: 15.0

You will learn the terminology, formal processes, and a systematic approach to project management. You will learn to analyze project stakeholders. You will define project requirements, establish project objectives, estimate project scale, determine project constraints and assumptions, and define the project manager's responsibilities and authority in a charter for a project that is relevant to your workplace.

PROJ 110CE Project Initiation and Charter Development

Credit Units: 1.0 Course Hours: n/a

You will learn the terminology, formal processes, and a systematic approach to project management. You will learn to analyze project stakeholders. You will define project requirements, establish project objectives, estimate project scale, determine project constraints and assumptions, and define the project manager's responsibilities and authority in a charter for a project that is relevant to your workplace.

PROJ 111 Project Planning, Scheduling & Budgeting

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PROJ 110*

You will develop practical project planning skills and knowledge through the systematic creation of a comprehensive project plan. You will identify and document project deliverables and tasks, estimate resources, develop a realistic project schedule, and create a complete project budget. You will learn to proactively manage project risks and use project management software.

PROJ 111CE Project Planning, Scheduling & Budgeting

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): PROJ 110*

You will develop practical project planning skills and knowledge through the systematic creation of a comprehensive project plan. You will identify and document project deliverables and tasks, estimate resources, develop a realistic project schedule, and create a complete project budget. You will learn to proactively manage project risks and use project management software.

PROJ 112 Project Execution and Control

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PROJ 111*

You will learn how to direct and manage project execution. You will develop the knowledge and skills to track project resources and tasks, evaluate and report project performance, and determine how to recover project variances and control changes. You will learn to plan and control project quality and perform quality assurance. You will also learn how to manage procurement processes and contracts on projects.

PROJ 112CE Project Execution and Control

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PROJ 111*

You will learn how to direct and manage project execution. You will develop the knowledge and skills to track project resources and tasks, evaluate and report project performance, and determine how to recover project variances and control changes. You will learn to plan and control project quality and perform quality assurance. You will also learn how to manage procurement processes and contracts on projects.

PROJ 113 Project Leadership & Communications

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PROJ 112*

You will develop practical leadership and communications skills required to manage project teams. You will learn to create, distribute, and store project information, and communicate effectively in mixed media. You will develop and use interpersonal skills to manage stakeholder expectations, motivate team members, negotiate agreements, and proactively manage relationships.

PROJ 113CE Project Leadership & Communications

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PROJ 112*

You will develop practical leadership and communications skills required to manage project teams. You will learn to create, distribute, and store project information, and communicate effectively in mixed media. You will develop and use interpersonal skills to manage stakeholder expectations, motivate team members, negotiate agreements, and proactively manage relationships.

PROJ 114 Project Closing & Continuous Improvement

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): PROJ 113*

You will develop the knowledge and skills to close a project and you will learn strategies for continuous improvement. You will learn to administer project closing processes and transfer a completed project to operations. You will also learn to adapt a scalable project management model to apply improve project management practices across your organization.

PROJ 114CE Project Closing & Continuous Improvement

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): PROJ 113*

Equivalent Course(s): PROJ 114

You will develop the knowledge and skills to close a project and you will learn strategies for continuous improvement. You will learn to administer project closing processes and transfer a completed project to operations. You will also learn to adapt a scalable project management model to apply improve project management practices across your organization.

PROJ 115 Applied Project Management Integration and Evaluation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PROJ 114*

You will complete a final integration project in which you will apply formal project management process to initiate, plan, execute, control and communicate a project based on lessons learned from all of the courses in the program. You will combine all of the project management processes into a comprehensive project management approach. You will also demonstrate your knowledge of project management concepts and processes on a comprehensive final examination.

PROJ 115CE Applied Project Management Integration and Evaluation

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): PROJ 114*

Equivalent Course(s): PROJ 115

You will complete a final integration project in which you will apply formal project management process to initiate, plan, execute, control and communicate a project based on lessons learned from all of the courses in the program. You will combine all of the project management processes into a comprehensive project management approach. You will also demonstrate your knowledge of project management concepts and processes on a comprehensive final examination.

PROJ 116 Project Teamwork

Credit Units: 1.0 Course Hours: 15.0

You will study various aspects of the work environment essential to effective teamwork. You will participate in effective meetings, understanding the various stages of team operation through a project, and effective communication with internal and external partners within the team environment.

PROJ 117 Applied Research Geographic Information Science

Credit Units: 2.0 Course Hours: 30.0

You will conduct a research project. You will integrate the skills, training and knowledge you acquired throughout the program to design, conduct, collect and analyze data then present the results of a Geographic Information Science (GIS) project.

PROJ 118 In-House Projects

Credit Units: 2.0 Course Hours: 30.0

You will plumb drainage waste and venting to a mockup house, you will install fixtures and install water lines to the fixtures.

PROJ 119 Geographic Information Science (GIS) Project Management

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): PROJ 287

You will be introduced to Geographic Information Science (GIS) project management. You will examine the basic theory of project planning and control, from project initiation to project close out. You will apply project management skills to work on a GIS related project.

PROJ 122 Projects

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): EQPT 126

You will apply the skills and knowledge acquired in EQPT 126 (Tools) to construct shop projects. Hands-on experience will help you acquire skills in using common tools of the trade.

PROJ 123 Fab, Form and Fit Projects

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): EQPT 118*

You will take previously learned skills including the use of hand and powered equipment to fabricate various projects.

PROJ 124 Tank and Vessel Project

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PROJ 123*

You will study and apply basic vessel drawing terminology. Students will fabricate a vessel using basic layout methods.

PROJ 125 Final Fabrication Project

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PROJ 124*

Using shop power equipment and welding techniques you will fabricate parts that will be assembled and welded to produce your final project.

PROJ 150 Tools Projects

Credit Units: 2.0 Course Hours: 27.0

You will apply the skills and knowledge acquired in EQPT 109 (Tools and Equipment) to shop projects. Hands-on experience will help you acquire skills in using common tools of the trade.

PROJ 184 Project

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DRFT 177, HYDR 173, MACH 108, MANU 205, MATE 170, MECH 161, WLDR 153

Corequisite(s): CAM 202, MANU 208, TCOM 104, WLDR 157

You will plan, develop, research, execute and present a manufacturing project. Your studies will also include consideration of contract law and documentation.

PROJ 200 Production Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PROF 100

You will examine various aspects of production management through the development of schedules and budgets. You will arrange for all the logistics of your projects.

PROJ 201 Dynamic Web Project

Credit Units: 2.0 Course Hours: 31.0

Prerequisite(s): COMP 205

You will have the opportunity to create a significant final project. The project should be a showcase piece that demonstrates a wide range of your strongest skills. You will develop your project topic in consultation with your instructor.

PROJ 202 Interactive Media Project

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 202, DSGN 210, MULT 217*

This course provides you the opportunity to explore a specific project for your portfolio. You will select the project, learn about its relevance/context in industry, critically assess their work, and obtain feedback.

PROJ 202CE Interactive Media Project

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): DSGN 202, DSGN 210, MULT 217*

This course provides you the opportunity to explore a specific project for your portfolio. You will select the project, learn about its relevance/context in industry, critically assess their work, and obtain feedback.

PROJ 205 Project Management in Occupational Health Nursing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 287

You will focus on project management knowledge and application. You will have the opportunity to practice using a project management framework to develop a project management plan for the development and revision of an occupational health and safety program. Your knowledge of needs assessment, gap analysis, and program evaluation skills will be enhanced.

PROJ 205CE Project Management in Occupational Health Nursing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): NRSG 287

You will focus on project management knowledge and application. You will have the opportunity to practice using a project management framework to develop a project management plan for the development and revision of an occupational health and safety program. Your knowledge of needs assessment, gap analysis, and program evaluation skills will be enhanced.

PROJ 206 Capstone Project

Credit Units: 2.0 Course Hours: 30.0

You will apply the engineering concepts and principles to develop a significant initiative or project. Working individually or in small groups, you will use interpersonal, problem solving, and project management skills to propose, conceptualize, design, and demonstrate an engineering project that is both significant and relevant to your field of practice. You will manage and schedule the project with minimal direction. You will develop a presentation appropriate for an industry client and demonstrate the communication skills necessary to defend the technical specifications and the relevance of project in relation to the initial engineering problem.

PROJ 207 Client Directed Project

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AUDI 203, VDEO 207, (VDEO 204 or VDEO 205 or VDEO 206)

You will develop a project according to a client's specifications. You will demonstrate technical and soft skills as you develop a project to the client's specifications and satisfaction. *Note: Students must complete either WORK 201-Work Experience or PROJ 207-Client Directed Project.

PROJ 208 Business Plan Development

Credit Units: 4.0 Course Hours: 60.0

You will work in a group to develop a new business. You will develop your entrepreneurial, team building, communication, problem solving, delegation and human relations skills.

PROJ 209 Wine and Dine Service

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PLAN 286*

Equivalent Course(s): FOOD 286

You will apply your theoretical knowledge to staff and control a full service formal dining room. You will act in various positions and perform duties associated with serving and managing within a dining room environment.

PROJ 210 Wine and Dine Production

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COOK 197, PLAN 286*

Equivalent Course(s): FOOD 291

You will receive practical hands-on instruction in all areas of the kitchen related to preparing and serving an a la carte menu.

PROJ 211 Capstone Project

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ENGL 101

You will conduct an applied research project. Working individually or in small groups, you will integrate the skills, training and knowledge you acquired throughout the program to design, conduct, analyze and present the results of a research project that is both significant and relevant to the library field of practice.

PROJ 212 Food Service Operations Management

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PLAN 201, PRAC 208

You will apply your food service management skills to direct and control the opening, operation and closing of a food service operation.

PROJ 213 Project

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to project management. You will examine the basic theory of project planning and control, from project initiation to project close out. You will apply research techniques and various tools to practice project management theory.

PROJ 214 Capstone Project

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): GRPH 213, GRPH 230, GRPH 234, GRPH 204*

You will apply the program concepts and principles to develop a significant initiative or project. Working individually, you will use interpersonal, problem-solving, and project management skills to propose, conceptualize, design, and demonstrate a large-scale campaign that is both significant and relevant to your field of practice. You will manage and schedule the project with minimal direction. You will develop a presentation appropriate for an industry client and demonstrate the communication skills necessary to present and defend the art direction, design rationale, and technical specifications in relation to the project.

PROJ 216 Project Management and Contracts

Credit Units: 2.0 Course Hours: 30.0

You will examine primary aspects of project management, spanning project initiation through to close out. Core project management processes and tools are examined as applicable to the major stages of a project life cycle. You will develop competency in developing and managing project schedules and resources with software. You will also identify contract documents and legal obligations / practices typical to engineering and industry activities in Canada.

PROJ 218 Capstone Project

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CAD 298*, CLTR 200*, DSGN 208*, DSGN 283*, MANU 204*

Equivalent Course(s): CAD 285

You will focus on the application of basic knowledge in the design of "real life" engineering problems from local industries. Based on your knowledge of several previous and concurrent courses, you will learn how to select and define a technical project, find design solutions for the problem and then, prepare and present your technical solutions to the industrial client.

PROJ 222 Capstone Research Project

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): COAP 222, COMP 207, COMP 217, ENGE 221

Corequisite(s): TCOM 104

You will apply knowledge you gained in previous semesters. You will conceive and design an original project that incorporates hardware and software. You will research alternative designs, select appropriate strategies and defend your design choices in a final presentation. You will manage the project scheduling and costs to meet broad goals with minimal direction. You will design, construct and test a working prototype; including, a printed circuit board to illustrate the soundness of your design choices.

PROJ 225 Applied Research Project

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): INST 205, INST 228, INST 230, PROJ 227

Corequisite(s): CNTR 227, INST 234, INST 236, TCOM 104

You will use project management software to develop an entire project. Working in small groups you will research, plan, design, cost and construct a prototype. Your final step of the project will be to prepare a manual.

PROJ 227 Project Management

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to project management. You will examine the basic theory of project planning and control, from project initiation to project close out. You will apply research techniques and various tools to practice project management theory.

PROJ 228 Applied Research: Capstone Project

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ADMN 104, ADMN 105, BLDG 220, CNST 222, CODE 201, DRFT 210, DSGN 232, TCOM 102, TCOM 103, (DRFT 233* or DRFT 234*), CODE 300*

You will use the technical problem-solving process, advanced research skills, and knowledge acquired in previous courses to complete an applied research project. You will present and defend your unique solution to an architectural design problem in a written report and oral presentation.

PROJ 284 Business Development

Credit Units: 3.0 Course Hours: 45.0

You will work in a group to develop a new business. You will develop your entrepreneurial, team building, communication, problem solving, delegation and human relation skills.

PROJ 287 Project Management

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): MGMT 222

You will be introduced to project management. You will examine the basic theory of project planning and control, from project initiation to project close out. You will apply research techniques and various tools to practice project management theory in a variety of projects. You will practice skills using project management software.

PROJ 288 Capstone Project

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PROJ 216, ENGM 202

You will develop a comprehensive solution for an industry-sourced engineering problem. Working with an industry client, you will define the project scope and deliverables. You will apply technical skills, develop subject matter specialization, and support your solution through appropriate technical documentation. You will communicate your solution to your industry client via a technical report and a project presentation.

PROJ 289 Applied Research 1

Credit Units: 9.0 Course Hours: 140.0

Prerequisite(s): COMP 175, COMP 179, CHEM 179, CHEM 282, CHEM 284, CHEM 290, LABT 187, LABT 287, MATH 192, MATH 289, STAT 185, SFTY 185, PHYS 187

You will be working in partnership with a government or industrial organization to complete an independent research project. You will work with a chemist, chemical engineer, or chemical technologist to design the experiments and manage the project. You will maintain a logbook, use statistical tools to assess your results and troubleshoot minor equipment problems. You will demonstrate good communication skills and work as a team member. You will demonstrate responsibility, initiative and accountability.

PROJ 290 Applied Research 2

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): COMM 289, WORK 203

You will use computer applications to analyze the data obtained during your project. You will conduct a review of recent literature relevant to your project. You will prepare a technical report and PowerPoint presentation.

PROJ 400 Capstone Project

Credit Units: 6.0 Course Hours: 90.0

You will build on the project management, construction science, and human resource skills developed in previous courses and complete a capstone project. You will select a construction project and prepare project plans, schedules, budgets and project monitoring documents. Your project will include quality control mechanisms, safety considerations and close-out procedures. The course culminates with the presentation of your capstone project.

PROJ 401 Applied Research in Resource Management

Credit Units: 2.0 Course Hours: 30.0

You will conduct a research project. You will integrate the skills, training and knowledge you acquired throughout the program to design, conduct, analyze and present the results of a resource management project.

PROJ 403 Leading Projects

Credit Units: 3.0 Course Hours: 45.0

You will develop the knowledge and skills to lead a project to successful completion. Your studies will combine operational aspects of managing a project with leadership qualities required to inspire a project team and to provide interaction with the project's key stakeholders. You will develop the knowledge and skills to analyze the feasibility of a project, develop processes to ensure the project work gets done, lead and motivate the project team, and create contingency plans to mitigate risk.

PROJ 600 Agile Project Management for IT

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COMP 600, CDBM 600

You will learn how to plan and execute an agile project while creating a working piece of software. Working in groups you will learn how to plan project sprints and conduct effective scrum meetings. You will learn how track progress using standard agile tracking tools and techniques.

PROJ 601 Capstone Project

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BCOM 600, ADMN 602, COMP 602, MGMT 606

You will apply the supply chain management concepts and principles to develop a significant initiative or project. Working individually or in small groups, you will use interpersonal, problem solving, and project management skills to propose, conceptualize, design, and demonstrate a supply chain management project that is both significant and relevant to your field of practice. You will manage and schedule the project with minimal direction. You will develop a presentation appropriate for an industry client and demonstrate the communication skills necessary to defend the specifications and the relevance of project in relation to the initial supply chain management problem.

PROJ 602 Capstone Project

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): COSC 604, CDBM 601, CWEB 603*

You will learn how to work in a group to plan and execute a major IT project. You will manage and monitor the project and produce documentation to communicate effectively with your stakeholders.

PROJ 603 Capstone Project

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): CSEC 607*, INTL 601*

You will learn how to work in a group to plan and execute a major information technology (IT) project. You will manage and monitor the project and produce documentation to communicate effectively with your stake holders.

PROJ 605 Fundamentals of Project Management

Credit Units: 3.0 Course Hours: 45.0

You will develop a basic knowledge of project management and its core principles. Key concepts include the role of the project manager, project constraints, the phases of project management and barriers associated with achieving the project goal.

PROJ 606 Project Initiation and Planning

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PROJ 605*

You will learn the key activities included in project planning such as project selections techniques, defining project requirements, determining scope and creating a project charter and project plan.

PROJ 607 Project Scheduling and Budgeting

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PROJ 606*

You will develop practical project planning skills and knowledge through the systematic creation of a comprehensive project schedule and budget. Building on the work completed in PROJ 606, you will identify and document project deliverables and tasks, estimate resources, develop a realistic project schedule, and create a project budget.

PROJ 608 Directing and Managing Project Work

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PROJ 605

Your studies will focus on practical approaches to effectively direct and manage project work. You will use project management techniques and tools to effectively allocate resources to project work. Using project management software, you will track project resources and tasks as well as evaluate and report project performance. You will also determine how to recover project variances and effectively control project changes.

PROJ 609 Alternative Methodologies for Project Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PROJ 605

You will study various project management methodologies such as Agile and its related project techniques such as Scrum and Kanban. In addition, you will use other project management techniques such as Lean and Six Sigma. You will discuss the strength of these methodologies and apply a best-fit decision making process to project methodology selection. You will apply an iterative, agile methodology to a small project. Working in groups, you will plan project sprints, conduct effective scrum meetings, and track project progress using Agile tools and techniques.

PROJ 610 Project Closing and Evaluation

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PROJ 605

You will acquire the knowledge and skills to close and evaluate a project. You will learn keys topics including the steps involved in ending the project, performance of closing processes, evaluation of a project's success and identification of strategies for continuous improvement of project management practices.

PROJ 611 Adoption of Cloud Computing and Blockchain Technology in the Industry

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): CCMP 600, CCMP 602, CCMP 605*

You will analyze a business case. You will propose a solution that integrates cloud services and blockchain technology to design and implement a hybrid architecture. You will prepare a report and present your solution.

PROJ 612 Capstone Project

Credit Units: 3.0 Course Hours: 45.0

You will have the opportunity to demonstrate critical thinking in applying what you have learned in a final project. The project may include an applied research, project in an industry setting, research on evidence-based practices. The project must be related to sustainability in the industry. The scope of the project will be decided with an assigned faculty member or project coordinator.

PROJ 613 Capstone Project

Credit Units: 3.0 Course Hours: 45.0

You will learn how to work in a group to plan and execute a major Artificial intelligence and Data analytics project. You will manage and monitor the project and produce documentation to communicate effectively with your stakeholders.

PROP 198 Plant and Process Operations

Credit Units: 2.0 Course Hours: 30.0

You will learn about industrial processes used to produce a variety of products. You will study the equipment used in these industrial processes.

PROP 280 Process Simulations 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PROP 198

You will operate and troubleshoot basic plant simulation models.

PROP 290 Process Simulations 3

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PROP 280

You will operate and troubleshoot a complex simulation model.

PRPL 284 Public Relations and Programming

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): PRPL 180

You will examine ways of marketing the library to the community. You will discuss current topics relating to programming for the entire community. Planning and executing visual displays and programs will be emphasized.

PRPL 284CE Public Relations and Programming

Credit Units: 3.0 Course Hours: n/a

You will examine ways of marketing the library to the community. You will discuss current topics relating to programming for the entire community. Planning and executing visual displays and programs will be emphasized.

PRST 280 Veterinary Parasitology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MICR 186

You will study helminths, protozoa, and arthropods that affect animals in North America. Your studies will focus on diagnostic features, life cycles, pathogenesis, control and zoonotic potential. In lab you will learn to identify various life stages of different parasites and to perform common diagnostic techniques used in parasitology.

PSYC 101 Introduction to Psychology

Credit Units: 3.0 Course Hours: 45.0

You will learn the theories and concepts that form the foundation of psychology as a science. You will explore the study of human behaviour by examining concepts including: social psychology, perception, sensation, learning, memory, human development, motivation, emotion, states of consciousness, cognition, personality, intelligence, psychological disorders, and the relationship between health and stress.

PSYC 101CE Introduction to Psychology

Credit Units: 3.0 Course Hours: n/a

You will learn the theories and concepts that form the foundation of psychology as a science. You will explore the study of human behaviour by examining concepts including: social psychology, perception, sensation, learning, memory, human development, motivation, emotion, states of consciousness, cognition, personality, intelligence, psychological disorders, and the relationship between health and stress.

PSYC 102 Introduction to Psychology 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): PSYC 188

You will learn about the history and evolution of psychology as a science. You will define and differentiate various research methods and theoretical perspectives. You will explore the study of human behaviour by examining concepts including: human development, personality, social psychology, psychological disorders and treatments, and the relationship between health and stress.

PSYC 103 Introduction to Psychology 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PSYC 102

Equivalent Course(s): PSYC 189

You will learn about the history and evolution of psychology as a science. You will learn to differentiate between various research methods and theoretical perspectives. You will explore the study of human behaviour by examining concepts including: perception, sensation, states of consciousness, learning, memory, thinking, reasoning, language, intelligence and intelligence testing, motivation, emotion, and the biological and neurological foundations of behaviour.

PSYC 104 Psychology of Health and Wellness Management

Credit Units: 1.0 Course Hours: 15.0

In this course you will be introduced to theories of stress and holistic concepts of wellness honouring different cultural perspectives. You will use the Medicine Wheel as a tool to examine the influence of stress on physical, mental, spiritual, and emotional health. Finally, you will create a personal stress management plan with a goal of respecting the four elements of health.

PSYC 160 Psychology 1

Credit Units: 2.0 Course Hours: 30.0

Your studies will include the theories and concepts that form the foundation of psychology as a science. You will explore the study of human behaviour by examining concepts including: perception, sensation, learning, memory, intelligence, motivation, emotion, states of consciousness, personality, and the relationship between health and stress.

PSYC 160CE Psychology 1

Credit Units: 2.0 Course Hours: n/a

Your studies will include the theories and concepts that form the foundation of psychology as a science. You will explore the study of human behaviour by examining concepts including: perception, sensation, learning, memory, intelligence, motivation, emotion, states of consciousness, personality, and the relationship between health and stress.

PSYC 163 Healthy Lifespan Development

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): NEPS 216

You will study human development from conception to death and examine theories and processes of human growth and development. You will discuss health promotion and health issues for each domain of development in relation to psychiatric nursing practice. You will explore physical, cognitive, social, and personality development across the lifespan.

PSYC 184 Introductory Psychology

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): PSYC 188

You will be provided with an introduction to the field of psychology. The course is structured to provide you with an increased awareness of human behavior. Included in the course is a general introduction to psychology including theories of learning, cognition, and motivation.

PSYC 188 Psychology A

Credit Units: 3.0 Course Hours: 40.0

Equivalent Course(s): PSYC 184

You will be introduced to the scientific study of human behaviour. You will study psychology as a discipline of neuroscience and behaviour, sensation and perception, states of consciousness, learning and memory.

PSYC 188CE Psychology A

Credit Units: 3.0 Course Hours: n/a

You will be introduced to the scientific study of human behaviour. You will study psychology as a discipline of neuroscience and behaviour, sensation and perception, states of consciousness, learning and memory.

PSYC 189 Psychology B

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): PSYC 188

You will continue to examine the scientific examination of human behaviour introduced in PSYC 188, Psychology A. You will study intelligence, cognition and language, motivation and emotion, social psychology personality, health and stress.

PSYC 189CE Psychology B

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PSYC 188

You will continue to examine the scientific examination of human behaviour introduced in PSYC 188, Psychology A. You will study intelligence, cognition and language, motivation and emotion, social psychology personality, health and stress.

PSYC 280 Psychology of Grief

Credit Units: 3.0 Course Hours: 45.0

You will discuss the emotional and psychological needs of the bereaved as well as appropriate communication skills and attitudes. You will be introduced to communication with and attitudes appropriate to grieving clients.

PSYC 280CE Psychology of Grief

Credit Units: 3.0 Course Hours: n/a

You will discuss the emotional and psychological needs of the bereaved as well as appropriate communication skills and attitudes. You will be introduced to communication with and attitudes appropriate to grieving clients.

PSYC 30 Psychology 30 (Core)

Credit Units: 1.0 Course Hours: 80.0

This course is primarily a human development course in which developmental tasks and stages as described by various psychologists are outlined. The nature of psychology as a science is studied initially followed by the study of human development which is divided into four areas: early childhood, middle childhood, adolescence and adulthood.

PSYN 208 Informatics for Health Care Professionals

Credit Units: 3.0 Course Hours: 39.0

You will learn about the health care professional's need for current technological knowledge and skills. You will learn to use relevant information and knowledge to support evidence-based health care. Using a hands-on, problem solving approach, you will learn to use information and communication technologies to support information synthesis within the current health care setting.

PSYN 209 Physical Assessment

Credit Units: 3.0 Course Hours: 39.0

Equivalent Course(s): NURS 227

You will establish a foundation for the development of wholistic physical health assessment skills. You will learn interviewing techniques and head-to-toe physical assessment of adults and specialty populations. You will have an opportunity to practice comprehensive physical health assessments.

PSYN 210 Health and Mental Health Literacy

Credit Units: 2.0 Course Hours: 26.0

You will be introduced to concepts of teaching and learning. You will examine a literacy model and develop strategies to support mental health literacy across selected populations.

PSYN 300 Research for Evidence-Based Nursing Practice

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): STAT 202

You will have an opportunity to broaden your understanding of professional inquiry through the acquisition of knowledge and practice of research concepts. You will be able to critically evaluate existing research as a foundation for evidence-based practice to advance the nursing profession.

PSYN 303 Economic, Social & Political Influences in Psychiatric Nursing

Credit Units: 3.0 Course Hours: 45.0

You will explore the professional role of the registered psychiatric nurse (RPN) in relation to economic, social and political influences in RPN practice. You will apply legal, moral and ethical principles to analyze the current issues that have implications in the delivery of psychiatric nursing practice.

PSYN 304 Integrating Leadership & Management in Psychiatric Nursing

Credit Units: 3.0 Course Hours: 45.0

You will examine leadership and management theory and skills in psychiatric nursing practice in the Canadian context. You will explore, analyze, synthesize and demonstrate the application of leadership and management in psychiatric nursing practice from personal, professional and organizational perspectives.

PSYN 307 Addictions

Credit Units: 3.0 Course Hours: 45.0

You will learn about selected addiction assessment tools, types of addictions, psychiatric nursing interventions, and concepts in health promotion, prevention, and harm reduction. You will examine theories and models including medical, disease, and biopsychosocial, and the various treatment options available.

PSYN 308 Open Elective 1

Credit Units: 3.0 Course Hours: 39.0

An open elective may include any three-credit university course or Saskatchewan Polytechnic approved course.

PSYN 309 Open Elective 2

Credit Units: 3.0 Course Hours: 39.0

Equivalent Course(s): SOCI 260

An open elective may include any three-credit university course or Saskatchewan Polytechnic approved course.

PSYN 400 Consolidated Collaborative Practice

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PSYN 208, PSYN 300, PSYN 303, PSYN 304, PSYN 308, ENGL 100, STAT 202, (SOCI 100 or PSYC 101), (PSYN 209, PSYN 210, PSYN 307, SOCI 200 or PSYN 309)

You will appraise and reflect on your ability to synthesize and apply the Bachelor of Psychiatric Nursing program's theoretical concepts during the work experience. You will critique your ability to demonstrate relevant psychiatric nursing competencies.

PYSL 180 Plant Physiology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BOTA 183

Corequisite(s): PYSL 181

You will examine plant function and interactions with the environment. You will identify plant tissue and cellular function with respect to plant growth regulators, mineral nutrition, water, and environmental factors. You will examine plant metabolism including cellular respiration and photosynthesis reactions.

PYSL 181 Plant Physiology Lab

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BOTA 184

Corequisite(s): PYSL 180

You will examine the effects of plant growth regulators, gravity, light, and mineral deficiency on plants. You will perform experiments as it relates to osmosis, respiration, and photosynthesis. You will manage plants in growth chambers.

Course Descriptions Q

QC 100 Quality Assurance

Credit Units: 1.0 Course Hours: 15.0

You will study the principles, components and benefits of a quality assurance program.

QC 101 Quality Management

Credit Units: 3.0 Course Hours: 45.0

This course focuses on the principles of quality management in the clinical laboratory. Quality assurance and quality control techniques will be emphasized to ensure the accuracy and precision of laboratory results. You will apply concepts of quality management in the medical laboratory as well as its role in point-of-care testing. You will use critical thinking strategies to ensure accuracy of results and demonstrate knowledge of risk management.

QC 179 Quality Assurance and Control

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SAFE 180

You will study quality management as it applies to bioscience. You will examine quality control practices in research, development, testing, and manufacture in food production. You will examine professional ethics and conduct.

QC 191 Quality Assurance and Control

Credit Units: 2.0 Course Hours: 30.0

You will study basic quality terminology and the importance of quality assurance and quality control in the mining industry. You will focus on the quality activities and quality programs that apply to the radiation and environmental department of the uranium industry. You will discuss the importance of documentation and data management as it pertains to quality standards. You will discuss the protocols for international standards of ISO 900x and ISO 1400x series.

QC 193 Best Practices in Point of Care Testing

Credit Units: 1.0 Course Hours: 15.0

You will study roles and responsibilities of the health care team in point of care testing (POCT). You will learn steps necessary to implement POCT, principles of quality management and correlation of POCT results.

QC 193CE Best Practices in Point of Care Testing

Credit Units: 1.0 Course Hours: n/a

You will study roles and responsibilities of the health care team in point of care testing (POCT). You will learn steps necessary to implement POCT, principles of quality management and correlation of POCT results.

QC 194 Quality Management

Credit Units: 2.0 Course Hours: 30.0

You will receive an overview of methods used to ensure the quality of laboratory results. Quality assurance and quality control techniques will be emphasized.

QC 250 Quality Control in Laboratories

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): STAT 281

Corequisite(s): QC 251

You will be provided with an in-depth understanding of the quality assurance methods used in industries and organizations. You will focus on the statistical and operational aspects of quality assurance in activities (such as sample handling, instrumentation, analysis, record keeping and management). You will discuss the quality assurance protocols used by various international agencies including International Standards Organizations (ISO), the Environmental Protection Agency (EPA), the Food and Drug Administration (FDA), and Good Laboratory Practices (GLP).

QC 251 Quality Control in Laboratories Project

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): STAT 281

Corequisite(s): QC 250

You will conduct a small-scale in-house validation on a common laboratory instrument. You will analyze the experimental findings and determine the optimal parameters for this instrumentation. You will write a standard operating procedure for the operation of this instrumentation.

QM 220 Quantitative Methods for Accountancy

Credit Units: 4.0 Course Hours: 64.0

Prerequisite(s): STAT 120

Equivalent Course(s): ACP 423

This course emphasizes the application of quantitative methods in the solution of business problems. This includes the selection of appropriate methods, formulation of problems in quantitative terms, performance of necessary computation, and the interpretation of results. The variety and depth of the quantitative methods are in accordance with CGA (Certified General Accountants) Association requirements.

Course Descriptions R

RDBG 184 Radiobiology and Protection

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to radiobiology and protection. You will acquire the knowledge and develop the skills needed to practice basic radiation protection during radiological examinations. The course content includes the biological effects of ionizing radiation, basic radiation protection principles and concepts, radiation monitoring, radiation protection guidelines and safety regulations, and techniques of minimizing patient dose during diagnostic imaging.

RDGR 160 Clinical Radiography 1

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): DENT 166*

You will prepare dental bitewing radiographs for diagnostic purposes. You will be introduced to radiographic film processors and digital imaging software.

RDGR 161 Radiography 1

Credit Units: 2.0 Course Hours: 30.0

You will study the principles of radiation physics, biology, chemistry and safety practices. You will study the theory for exposing, processing and interpreting dental images. You will discuss methods to manage various clients who require dental images. Working on dental manikins, you will learn to prepare film and phosphor storage plates (PSP) to take dental bitewing images for diagnostic purposes. You will learn about quality assurance procedures. You will be introduced to radiographic film processors and digital imaging software.

RDGR 162 Radiography 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): DENT 166, DNTL 167, RDGR 161

You will study the theory supporting the exposing, processing and interpreting of periapical, panoramic and occlusal images. You will learn how to take dental periapical and panoramic images for diagnostic purposes while following radiation safety measures and quality assurance procedures. You will also operate automatic radiographic film processors and digital imaging software. You will learn to mount dental images.

RDGR 163 Radiography 3

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): RDGR 162

You will produce maxillary and mandibular images on a manikin using the occlusal technique. You will also mount full mouth surveys and identify anatomic landmarks. You will produce full mouth radiographic surveys on manikins using the paralleling and bisecting techniques.

RDGR 179 Radiographic Positioning and Critique 1 (Theory and Lab)

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): RGAN 101, RSAP 103*

You will learn the theory and develop the skills of radiographic positioning and image critique for the appendicular skeleton.

RDGR 180 Radiographic Positioning and Critique 2 (Theory and Lab)

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): RDGR 179

Building on the theory and skills learned in Radiographic Positioning and Critique 1 (Theory and Lab) you will learn the theory and develop the skills of radiographic positioning and image critique for the axial skeleton.

RDGR 183 Diagnostic Imaging 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): APHY 101, APHY 102, VETR 182, VETR 187, CHEM 101, APHY 104*

You will learn about radiation, radiation safety and types of medical imaging, including film and digital radiology. In labs you will create diagnostic images for small animal, large animal, and dentistry. You will maintain equipment and logs and learn to identify and troubleshoot issues.

RDGR 190 Fluoroscopy

Credit Units: 2.0 Course Hours: 35.0

Prerequisite(s): RDGR 180*

You will learn how fluoroscopic equipment and related accessories function and operate. You will learn how to describe various fluoroscopic examinations within the department and in the surgical suite. You will also learn how to identify the radiographic appearance of organs and structures for various views and projections used in fluoroscopic examinations.

RDGR 201 Fluroscopy

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): RGAN 101, RSAP 103, MGMT 110, RDGR 180, PATH 203*

You will learn how fluoroscopic equipment and related accessories function and operate. You will become familiar with various fluoroscopic examinations within the department and in the surgical/angiography suite. The course content includes the radiographic appearance of organs, structures and pathologies seen in various views and projections used in fluoroscopic examinations. You will learn about contrast and drug administration and their applications in fluoroscopy.

RDGR 202 Advanced Radiographic Procedures

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): RDGR 180, RSAP 103

You will learn the theory and techniques used for mammographic imaging, including anatomy, pathology and positioning. You will discuss the application and uses of other imaging modalities within medical diagnostics. You will describe the role of an advanced practice technologist within interventional radiography.

RDGR 203 Adaptive Radiography

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): RDGR 180, MGMT 109, RDGR 204

Building on the skills you learned in Radiographic Positioning and Critique 1 (Theory and Lab), Radiographic Positioning and Critique 2 (Theory and Lab) and Patient Management 1, you will demonstrate adaptive approaches for a variety of patient demographics and situations. Using available data, you will plan and demonstrate correct patient positioning for multiple skeletal radiographic examinations. You will review transfer techniques and discuss immobilization methods. You will demonstrate modifications from routine radiographic positioning to accommodate patient condition and abilities, including mobile radiography, trauma radiography, foreign body localization and pediatric radiography.

RDGR 204 Advanced Image Critique

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): RSAP 103, RDGR 180

You will develop fundamental skills for evaluating radiographs of the human body.

RDGR 261 Radiography

Credit Units: 1.0 Course Hours: 20.0

Prerequisite(s): DENT 166

You will study the principles of radiation physics, biology, chemistry and safety. You will also study the theory supporting exposing, processing and interpreting dental radiographs. You will discuss methods to manage various clients who require radiographs.

RDGR 263 Clinical Radiography 2

Credit Units: 4.0 Course Hours: 55.0

Prerequisite(s): RDGR 160

Corequisite(s): RDGR 261

You will learn how to take dental periapical, panoramic and occlusal images for diagnostic purposes. You will also operate automatic radiographic film processors and digital imaging software. You will learn to mount dental radiographs.

RDGR 267 Radiology Theory

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): BIOL 101

You will study the principles of radiation physics, biology, chemistry and safety and will describe theories related to exposing, processing, and mounting radiographs. You will learn how to interpret radiographs. You will also discuss effective client management related to dental radiography.

RDGR 268 Dental Imaging Techniques

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ANAT 163, BIOL 101, RDGR 267

Equivalent Course(s): RDGR 260, RDGR 263

While observing radiation safety protocols, you will develop skill in exposing and processing high quality dental images using digital imaging techniques.

RDGR 282 Diagnostic Imaging 2

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): RDGR 183, ANIM 282

Corequisite(s): ANES 281, VETR 282, VETR 295

You will review your knowledge of common diagnostic imaging procedures of both small and large animals prior to entering the clinical rotations portion of the Veterinary Technology program.

RDGR 283 Advanced Radiographic Technique 1

Credit Units: 2.0 Course Hours: 32.0

Prerequisite(s): RDGR 180

You will learn about radiographic techniques used for localizing foreign bodies in the human body. You will discuss variations in techniques used for pediatric and geriatric patients. You will also learn the basic principles used in trauma radiography and mobile radiography.

RDGR 284 Advanced Radiographic Technique 2

Credit Units: 2.0 Course Hours: 35.0

Prerequisite(s): RDGR 180

You will learn how to describe specialized equipment and examinations of various body systems. You will also learn how to identify the radiographic appearance of specialized structures and/or systems specific to views and projections used in these examinations

RDTM 280 Computed Tomography Equipment

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): RSAP 101, RSAP 102, RSAP 103*

You will learn about the specialized equipment and accessories used for computed tomography (CT) scanning. You will study the principles of acquisition, reconstruction, post-processing and storage of CT images. You will learn about image quality, artifacts and quality control procedures, as well as use of automatic power injector and radiation dose in CT.

RDTM 281 Sectional Anatomy

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): APHY 103, RGAN 180

You will learn how to identify the sectional anatomy of the head, neck, chest, abdomen and pelvis on computed tomography (CT) and magnetic resonance imaging (MRI) images in transverse, coronal and sagittal planes. You will discuss topographical anatomy to aid in sectional anatomy and basic CT procedures.

RDTM 282 Computed Tomography Applications

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): RDTM 280, RDTM 281, MGMT 109, MGMT 110

You will learn the radiographer's role when performing computed tomography (CT) scans of the body. You will discuss pathologies and how to optimize scan parameters based on pathology. You will discuss topographical anatomy to aid in sectional anatomy and basic CT procedures. You will also learn the principles of using intravenous contrast for these procedures.

REHA 281 Program Planning

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): YCW 187

Building on YCW 187, Youth Care Practices 1, you will apply the problem solving process to planning supportive interventions to client groups. You will examine needs assessment and decision making as applied to group services in youth and family services. You will develop program goals and objectives, identify learning activities, write activity plans, and develop program resources. You will develop a 15 hour program for at risk youth and you will create a program manual to support delivery of the program.

REHA 281CE Program Planning

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): YCW 187

Building on YCW 187, Youth Care Practices 1, you will apply the problem solving process to planning supportive interventions to client groups. You will examine needs assessment and decision making as applied to group services in youth and family services. You will develop program goals and objectives, identify learning activities, write activity plans, and develop program resources. You will develop a 15 hour program for at risk youth and you will create a program manual to support delivery of the program.

RENO 220 Architectural Drafting: Renovation Working Drawings

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DRFT 224, CODE 200

Equivalent Course(s): DRFT 231, DRFT 252

As part of a team, you will create architectural drawings for a renovation and addition using Autodesk Revit. You will also study construction systems of the past to inform your design and drafting decisions.

RENO 222 Design Studio: Commercial Adaptive Re-use

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): DRFT 224, CODE 200

Equivalent Course(s): DSGN 233

As part of a team, you will create architectural drawings to adapt an existing house into a commercial space. You will also study construction systems of the past to inform your design and drafting decisions.

RFRG 103 Refrigeration Systems 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ELEC 149, SAFE 104, RFRG 104

You will practice workplace safety. You will troubleshoot and maintain refrigeration systems.

RFRG 104 Refrigeration and Air Conditioning Systems

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): THER 182

You will be introduced to principles and theories related to refrigeration systems. You will discuss refrigerants as well as refrigeration components and equipment. You will operate and maintain refrigeration equipment.

RFRG 106 Accessories, Head Pressure Control and Refrigerants

Credit Units: 3.0 Course Hours: 45.0

You will also learn the operation of different types of flow controls, accessories and basic cycling controls. You will also learn how to install and calibrate these components. You will learn about different types of refrigerants, refrigerant characteristics, environmental regulations and receive Canada's Ozone Layer Protection Awareness training.

RFRG 107 Fundamentals of Refrigeration

Credit Units: 4.0 Course Hours: 60.0

You will study temperature and temperature measurement, pressure and pressure measurement as well as heat and heat transfer. You will also study heat transfer in the basic cycle, pressure temperature relationships, the refrigerant condition in the system components and the basic cycle components.

RFRG 108 Electrical

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): RFRG 197

You will learn how to use electrical symbols, schematic diagrams and electrical test meters as well as design diagrams and learn troubleshooting techniques. You will also examine common electrical components.

RFRG 109 Motors and Defrost Systems

Credit Units: 4.0 Course Hours: 60.0

You will receive training on motors and motor-starting and protection devices. You will learn about defrost methods, defrost control, and defrost wiring.

RFRG 150 Refrigerants

Credit Units: 2.0 Course Hours: 24.0

You will learn about the different types of refrigerants and environmental regulations, and receive chlorofluorocarbon training.

RFRG 151 Accessories

Credit Units: 2.0 Course Hours: 24.0

You will learn about system flow controls, basic cycling controls, piping and evacuation.

RFRG 180 Fundamentals of Refrigeration

Credit Units: 2.0 Course Hours: 26.0

You will study temperature and temperature measurement, pressure and pressure measurement, and heat and heat transfer.

RFRG 181 Basic Refrigeration Cycle

Credit Units: 2.0 Course Hours: 26.0

You will study heat transfer in the basic cycle, pressure-temperature relationships, the refrigerant condition in the refrigeration system components and the basic cycle components.

RFRG 183 Air Conditioning

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): AIR 288

You will be introduced to theory and equipment used in air conditioning systems. You will study humidification, ventilation, air filters as well as duct design and various types of air conditioning coils.

RFRG 184 Basic Refrigeration System Components and Capacity Control

Credit Units: 4.0 Course Hours: 60.0

You will study the operation and design of compressors, condensers, evaporators and metering devices. You will examine the different methods used for controlling capacity on refrigeration systems.

RFRG 186 Hermetic Compressor Motors

Credit Units: 2.0 Course Hours: 31.0

You will receive training on single-phase motors, motor starting equipment, motor protection and motor troubleshooting.

RFRG 187 Defrost Systems and Piping

Credit Units: 2.0 Course Hours: 25.0

You will learn about defrost methods, defrost control systems and defrost wiring.

RFRG 188 Refrigeration Load Calculation

Credit Units: 2.0 Course Hours: 25.0

You will learn how to calculate refrigeration heat loads and to select refrigeration equipment.

RFRG 189 Enthalpy and Psychrometrics

Credit Units: 2.0 Course Hours: 25.0

You will learn how to use pressure enthalpy diagrams and psychrometric charts.

RFRG 190 Capacity and Head Pressure Control

Credit Units: 1.0 Course Hours: 19.0

You will locate and describe the different types and operations of a refrigeration unit capacity control. You will also analyze and describe the different systems of head pressure control used for refrigeration systems.

RFRG 191 Basic System Installation

Credit Units: 4.0 Course Hours: 60.0

You will set up a small commercial refrigeration unit and perform all installation and service procedures required to have a completed operating system.

RFRG 192 System Design and Operation

Credit Units: 4.0 Course Hours: 60.0

You will install an air cooled system on an insulated fixture and design this project in phases to learn variations in electrical and control systems. You will also develop troubleshooting skills by diagnosing typical system malfunctions.

RFRG 193 System Design and Installation

Credit Units: 4.0 Course Hours: 60.0

You will design and install a low temperature unit using an air cooled unit and refrigerated fixture. You will also design and install the control system including defrost timer, defrost termination, fan delay, defrost heaters, evaporator fans and the condensing unit.

RFRG 195 Refrigeration (4th Class)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): THER 185

You will be introduced to the principles of refrigeration used in power plants including operation and maintenance procedures. Common refrigerants and their environmental effects will be reviewed. You will practice refrigeration calculations and become familiar with CSA B52, Mechanical Refrigeration Code.

RFRG 197 Electrical Control Systems

Credit Units: 3.0 Course Hours: 40.0

You will learn how to use electrical test meters, wiring diagram symbols and schematic diagrams. You will also design basic electrical circuits.

RGAN 101 Radiographic Anatomy

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): APHY 103*, MTER 180*

You will develop an understanding of the structure and function of the skeletal system encompassing microscopic elements to macroscopic features. Your studies will focus on identifying the skeletal, thoracic, abdominal and respiratory anatomy in radiographic images. Topographical anatomy will be discussed to aid in radiographic positioning.

RGAN 180 Radiographic Anatomy

Credit Units: 3.0 Course Hours: 44.0

Prerequisite(s): MTER 180, APHY 191*, APHY 282*

Your studies will focus on identifying the skeletal, thoracic, abdominal and respiratory anatomy in radiographic images. Topographical anatomy will be discussed to aid in radiographic positioning.

RGAN 180CE Radiographic Anatomy

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): MTER 180, APHY 191*, APHY 282*

Your studies will focus on identifying the skeletal, thoracic, abdominal and respiratory anatomy in radiographic images. Topographical anatomy will be discussed to aid in radiographic positioning.

RIGG 100 Rigging

Credit Units: 2.0 Course Hours: 30.0

You will learn applicable occupational health and safety (OH&S) regulations. You will learn rigging techniques, how to maintain equipment and calculate load estimations.

RIGG 103 Rigging and Staging

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): WORK 144

You will learn about the types of rigging, staging equipment and devices used in underground mines. You will practice the hands-on skills needed to hang pipe and use fixed and mobile staging equipment.

RIGG 104 Rigging

Credit Units: 3.0 Course Hours: 48.0

You will develop skills in lifting and shifting loads of different shapes and sizes. It will prepare you to work safely. You will learn to install equipment. At the end of the course you will be eligible to receive Construction Safety Training System (CSTS) certification.

RIGG 105 Rigging and Crane Operation

Credit Units: 2.0 Course Hours: 30.0

You will study the types, operation and control of cranes, Occupational Health and Safety aspects, load estimation, and site evaluation. You will study the capacity of cranes, as well as rigging, signaling and maintaining the crane and log books.

RIGG 106 Rigging, Hoisting and Lifting

Credit Units: 2.0 Course Hours: 30.0

You will develop skills in lifting and shifting loads of different shapes and sizes. It will prepare you to work safely.

RIGG 141 Rigging and Staging

Credit Units: 4.0 Course Hours: 60.0

The course provides an introduction to the purpose and types of rigging and staging equipment and devices. You will also develop the skills needed to hang pipe and use fixed and mobile staging equipment.

RIGG 142 Rigging and Staging

Credit Units: 3.0 Course Hours: 40.0

You will learn about the types of rigging and staging equipment and devices. You will also practice hands-on skills to hang pipe and use fixed and mobile staging equipment.

RIGG 183 Safety, Knots and Rigging

Credit Units: 2.0 Course Hours: 30.0

You will study general safety as it applies to the plumbing/pipefitting trades. You will develop skill in the safe lifting and moving of materials and equipment used in the shop. You will become familiar with WHMIS and articles of the Occupational Health and Safety Act that apply to the trades.

RLAW 104 Introduction to Resource Legislation

Credit Units: 3.0 Course Hours: 45.0

You will describe the creation and construction of legislation, the Summary Offences Procedures Act and the provincial and federal resource protection statutes and regulations. As well, you will be provided an overview of the specific legislation, regulations and policies affecting forestry and natural resources management in Saskatchewan which will help you recognize the principles and theories of resource management and law enforcement.

RLAW 105 Indigenous Resource Rights

Credit Units: 3.0 Course Hours: 45.0

You will describe the treaties, Natural Resources Transfer Agreement, Constitution Act 1982 and case law with respect to the special rights of Indigenous people to the resources.

RLAW 107 Park Enforcement

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): RLAW 104

You will receive an introduction to park enforcement legislation and procedures. You will also learn radio communication procedures.

RLAW 108 Canadian Criminal Justice 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): RLAW 104

You will identify the fundamental principles of the Canadian judicial system. You will examine the Constitution Act, 1982, including the Charter of Rights and Freedoms, and the related jurisprudence. You will interpret the Criminal Code as it applies to a variety of offences and law enforcement procedures. You will describe the structure of the criminal court system in Canada.

RLAW 109 Canadian Criminal Justice 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): RLAW 104

You will examine the history and evolution of law enforcement in Canada with specific reference to the role of law enforcement in resource and environmental management. You will assess current trends in community-based policing and restorative justice. You will identify principles involving pleas, verdicts and sentencing options in Canada.

RLAW 200 Defense Tactics and Fitness

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): RLAW 104, RLAW 108, RLAW 109

Your studies will focus on the principles of dealing with hostility and managing aggressive behaviour. You will learn defensive control tactics.

RLAW 201 Responsibilities and Authorities

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): RLAW 104, RLAW 108, RLAW 109

You will learn the legal authorities and limitations of peace officers. You will also learn the responsibilities, obligations and duties of peace officers.

RLAW 202 Field Investigations 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): RLAW 104, RLAW 108, RLAW 109

You will describe the reasons and common methods of poaching and an officer's means of detection. You will gain practical experience completing enforcement documents.

RLAW 203 Field Investigations 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): RLAW 104, RLAW 108, RLAW 109

You will learn procedures and tactics for conducting patrols, surveillance, high-risk, and unknown risk takedowns. Your studies will include tactical and communication techniques and preliminary investigation into possible illegal resource harvesting and or violations.

RLAW 204 Gathering Evidence 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): GIS 101, RLAW 104, RLAW 108, RLAW 109

You will gain an understanding of the principles surrounding the continuity of evidence. You will describe proper evidence collection procedures. You will become familiar with using forensic analysis on firearms, tools, blood, hair and fibre. You will also learn procedures for conducting interviews, interrogations and property searches.

RLAW 205 Gathering Evidence 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GIS 101, RLAW 104, RLAW 108, RLAW 109

You will expand your understanding of the principles surrounding the continuity of evidence. You will apply proper evidence collection techniques and laboratory submission procedures in simulated investigations. Your investigation will include interviews, the preparation and execution of search warrants, and the georeferencing of the evidence using GIS technology.

RLAW 206 Courtroom Procedures 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): RLAW 104, RLAW 108, RLAW 109, RLAW 205

You will be introduced to the civil and criminal courtroom procedures of Canada. Your studies will examine the hierarchy of federal and provincial court structures and administrative procedures for the execution of law and justice. You will learn how to be professional in enforcement duties and courtroom procedures.

RLAW 207 Courtroom Procedures 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): RLAW 104, RLAW 108, RLAW 109, RLAW 205

You will continue your studies on procedures for preparing and presenting evidence in court. You will identify the principles of burden of proof, the role of a witness and enforcement agencies and their functions. You will develop court briefs to be used in mock court scenarios. You will learn how to be competent in enforcement procedures and be able to effectively present yourself as an officer during court proceedings.

RLAW 403 Environmental Legislation and Compliance

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): RLAW 104

You will describe provincial and federal legislation, and international treaty and its application to specific environmental issues. You will learn how to prepare and perform regulatory site inspections. You will apply compliance measures and documents. Environmental forensics and investigation will be introduced.

RLAW 406 Environmental Investigation

Credit Units: 2.0 Course Hours: 30.0

You will utilize skills obtained in investigation, evidence collection, interviewing witnesses and accused, search and seizure to conduct and document an environmental investigation. You will demonstrate the use of proper safety equipment and collection techniques to investigate a hazardous site.

ROOF 220 Roof Coverings

Credit Units: 1.0 Course Hours: 15.0

You will study the various materials used as roof coverings as well as roofing accessories such as flashing and vents. You will also learn the installation techniques for wood shingles and shakes, metal roofing, and asphalt shingles.

RS 200 Remote Sensing Applications

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GEOM 100, GIS 200, GIS 201

You will study fundamental principles of remote sensing and remote sensing platforms. You will study image characteristics and practice image correction and enhancement technics. You will also practice classification using visual and digital image interpretation and analysis techniques.

RS 201 Advanced Remote Sensing

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): RS 200

You will study principles of active remote sensing sensors and their platforms. You will acquire knowledge for interpretation and analysis of data from various sources including light detection and ranging (LIDAR), synthetic apparatus radar (SAR), unmanned aerial vehicle (UAV) and sonar.

RSAP 101 Radiation Science 1

Credit Units: 3.0 Course Hours: 45.0

You will learn the scientific principles related to the production of x-radiation, the properties and interaction with matter. The course content includes basic radiographic equipment specific to the production of x-rays. Your studies will focus on the fundamental radiation protection practices, which include monitoring, safety regulations, dose reduction and quality control procedures.

RSAP 102 Radiation Science 2

Credit Units: 3.0 Course Hours: 45.0

You will examine the primary technical factors and how to manipulate them based on variables such as radiographic equipment, patient anatomy and pathology, dose considerations, and image quality.

RSAP 103 Radiation Science 3

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): RSAP 101, RSAP 102

You will learn about digital radiographic equipment with respect to image acquisition, processing, archival storage, and digital quality control procedures.

RSAP 180 Radiation Science and Apparatus 1

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): PHYS 184*

You will be introduced to the function and operation of basic x-ray equipment in producing radiation. You will also study quality control and how it is applied in a practical setting.

RSCH 200 Research Literacy

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): THRC 188

You will be introduced to basic research and its relationship to operational decision making. You will review data collection, types of research, pose simple research questions and design surveys.

RSCH 280 Intro to Research

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): APHY 103, ETHC 101, MTER 180

Equivalent Course(s): COMM 289

You will receive an introduction to research concepts, methodologies, and issues in health care. You will demonstrate the practical application of research techniques.

RSCH 280CE Applied Investigation

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): APHY 103, ETHC 101, MTER 180

You will receive an introduction to research concepts, methodologies, and issues in health care. You will demonstrate the practical application of research techniques.

RSRC 101 Elements of Ecology

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): RSRC 340

You will cover the spatial and temporal variation of life. You will explore the factors that influence the distribution of life and the competitive forces that restrict or enhance population growth. You will receive a summary evaluation of human's role in ecosystems.

RSRC 102 Landscape, Soils and Ecoregions

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to processes and features that help shape and define the landscape of Saskatchewan. You will learn about fluvial and glacial geomorphologic processes and will be able to describe their associated landforms. This will provide you a foundation for the study of soils, parent material and corresponding vegetation. You will apply your knowledge of geology, soils and vegetation within the integrated context of ecological land classification.

RSRC 103 Forest Ecosystems

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to geological processes and physiography that define the landscape and soils of Saskatchewan. You will study Saskatchewan ecosystems and the relationship of soils, landforms, vegetation and land use. The course includes dendrology, students identify and describe tree and shrub species native to Saskatchewan regions. The course examines forest ecosites and tree growth performance.

RSRC 104 Introduction to Ecology

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): RSRC 101

You will discover the fundamental patterns of spatial and temporal variation in the biosphere. You will study the interconnectedness of biotic and abiotic elements in global systems. You will gain knowledge of ecology, population growth, land classification, and the influence of humans on other ecological components.

RT 170 Introduction to Recreation and Tourism Management

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): REC 286

You will study the various agencies and organizations that make up the recreation and tourism industry and their impact on community development. You will also have an opportunity to interact with various agencies and learn about opportunities for employment in this sector.

RT 171 Economic Development

Credit Units: 3.0 Course Hours: 45.0

You will study the concepts economic development as it applies to community growth. You will discuss how communities work with government, and private sectors to build strong communities, industries, and markets.

RT 172 Service Industry Operations Lab

Credit Units: 3.0 Course Hours: 45.0

You will evaluate relevant Recreation and Tourism service organizations in a specific region. Your studies will focus the role positive service plays in the success of an organization or service.

RT 185 Program Planning 1

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on strategies used to plan and deliver leisure services in communities. You will learn about the relationship between community planning and strategic development.

RT 186 Inclusive Leisure

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): THRC 182

You will explore the concepts of universal design as they apply to the delivery of recreation and leisure services. Your studies will also include content on the role of advocacy in supporting leisure participation.

RT 187 Program Planning 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): RT 185

Equivalent Course(s): TOUR 140

Building on the theory studied in Program Planning 1, you will apply a social planning model to an actual situation. Your studies will also include Saskatchewan Tourism Education Council (STEC) Service Best program certification.

RT 191 Introduction to Microeconomics

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ECON 120

You will become familiar with how consumption and production decisions are made in a market economy. You will study the applications of supply and demand analysis, the theory of consumer behaviour and the impact of government regulations and intervention on market performance. You will study the basic theory of the firm under perfect competition, monopoly and monopolistic competition and the principles of oligopoly.

RT 200 Event Planning and Facilitation

Credit Units: 3.0 Course Hours: 45.0

You will study the process involved in establishing festivals and special events. Emphasis will be placed on the importance of establishing and maintaining contracts.

RT 201 Feasibility Studies

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): ADMN 224

You will be introduced to the feasibility stage of planning for the development of community facilities. The course content includes defining feasibility studies, the rationale for feasibility studies, the sequence of steps that a study follows, and how terms of reference for contracts are established. You will study how to analyze information and develop recommendations.

RT 202 Diversity and Cultural Foundations

Credit Units: 4.0 Course Hours: 60.0

You will examine impact of cultural diversity in Saskatchewan and Canada. You will review the immigration process and the implications for recreation and community development. You will explore cultural values and the importance of understanding various cultures while working in recreation and leadership fields. Your studies will also include Saskatchewan's First Nations and Metis history and culture and an opportunity to participate in a culture camp.

RT 203 Event Management Lab

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): RT 200

You will become familiar with the process involved in establishing festivals and special events. Emphasis will be placed on the importance of establishing and maintaining contracts.

RT 204 Business Planning for Service Oriented Operations

Credit Units: 4.0 Course Hours: 60.0

You will learn how to develop a sustainable business plan. Your studies will include the importance of understanding feasibility, strategic planning and the steps that are to be taken to develop a sustainable business plan for their recreation or tourism industry. You will apply these steps to a simple business plan which could be utilized in a new or existing business plan from an entrepreneurial perspective.

RT 205 Group Tours Guiding Skills, and Local Capital

Credit Units: 4.0 Course Hours: 60.0

You will study the components of low-risk group tours and guiding opportunities. You will have an opportunity to practice specific skills related to delivering these events. Upon successful completion of this course you will receive certification from OCC/STEC.

RT 289 Community Development

Credit Units: 3.0 Course Hours: 45.0

You will be studying the concept and models of community development. You will discuss the concept of social capital and explore asset mapping to help mobilize individuals and organizations to make connections and build capacity.

RT 292 Outdoor Programming

Credit Units: 3.0 Course Hours: 45.0

You will examine the philosophy, development and management of outdoor programs in relation to various ages, cultures and environments. Your studies will focus on planning, developing, delivering and evaluating outdoor programs, the environmental impact the programs cause and methods that can be used to minimize recreation user impact and risk.

RVRS 220 River and Reservoir Engineering

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HYDR 221, INST 231

You will become familiar with how nature and humans interact with rivers. You will study how river geometry changes in response to changes in flow and sediment transport. You will analyze the impacts of human interaction on river regime. You will apply aspects of reservoir engineering including the morphology, operation and design of reservoirs.

Course Descriptions S

SAFE 103 Automotive Shop Safety

Credit Units: 4.0 Course Hours: 60.0

The course focuses on shop safety precautions and procedures used in the automotive service trade.

SAFE 105 Safety Systems

Credit Units: 3.0 Course Hours: 45.0

Your studies will address occupational health, safety and assurance systems, as well as electrical systems, driving, protective equipment and confined space. You will acquire the core requirements and responsibilities needed to work safely.

SAFE 106 Safety and Communication Techniques

Credit Units: 2.0 Course Hours: 30.0

You will learn the theoretical and practical activities related to safety and communication in the workplace.

SAFE 109 Introduction to Crisis Intervention

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): SFTY 184

You will examine the components of crisis situations and apply conflict de-escalation strategies.

SAFE 109CE Introduction to Crisis Intervention

Credit Units: 1.0 Course Hours: n/a

You will examine the components of crisis situations and apply conflict de-escalation strategies.

SAFE 110 Safety, Sanitation and Tools

Credit Units: 3.0 Course Hours: 45.0

You will gain an understanding of the procedures related to safety, sanitation, tools and equipment in a professional work environment. This will include the handling of workplace hazardous materials and the completion of WHMIS certification and Safe Food Handling certification.

SAFE 111 Firearms Safety

Credit Units: 2.0 Course Hours: 30.0

You will complete the Canadian Firearm Safety (CFSC) Course. You will learn about the evolution of firearms, basic firearm safety practices, ammunition, operating firearm actions, safe handling and carry of firearms and safe storage.

SAFE 112 Safety and Code Book Regulations

Credit Units: 1.0 Course Hours: 15.0

Your studies will focus on using Canadian Electrical Code (CEC) to select basic wiring circuits commonly found in industrial plants. You will study Occupational Health and Safety (OH&S) regulations and standard practices in electrical workplaces.

SAFE 113 Kitchen Safety

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): SFTY 111

You will gain an understanding of the procedures related to safety in a professional kitchen. This will include the handling of workplace hazardous materials. You will learn how to prepare foods for customers while avoiding injury to yourself and your colleagues.

SAFE 114 Safety and Electrical Control Systems

Credit Units: 4.0 Course Hours: 60.0

You will learn about the hazards associated with the refrigeration and air conditioning trade. You will also learn safe working practices and receive Workplace Hazardous Materials Information System (WHMIS) training. You will also learn the design and assembly of typical electrical systems used on refrigeration & air conditioning equipment. You will select and apply troubleshooting and diagnostic techniques for motors and electrical components.

SAFE 115 Safety in the Professional Kitchen

Credit Units: 3.0 Course Hours: 45.0

You will learn best practices regarding kitchen safety and complete training in WHMIS, safe food handling, and approved service.

SAFE 116 Safety and Wellbeing at Remote Work Sites

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to safe work practices while working at a remote site including the importance of professional behaviour and a healthy lifestyle.

SAFE 117 Safe Working Environment

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): EMPS 102

You will study the application of WHMIS in the Machinist trade. You will discuss the roles and responsibilities of employees and employers in the workplace.

SAFE 180 Laboratory Safety

Credit Units: 1.0 Course Hours: 15.0

You will study topics related to safe working practices and procedures in the bioscience laboratory. You will examine government regulations and industrial laboratory safety guidelines.

SANT 010 Sanitation, Safety and Hygiene for Nail Technicians

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on safety as it relates to a nail salon, personal health and sanitation. This course provides instruction in the study of bacteriology. You will also study relevant safety concerns such as fire safety, health risks and diseases.

SANT 108 Sanitation, Safety and Hygiene for Hairstylists

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on safety as it relates to a hair salon, personal health and sanitation. This course provides instruction in the study of bacteriology. You will also study relevant safety concerns such as fire safety, health risks and diseases.

SANT 108CE Sanitation, Safety and Hygiene for Hairstylists

Credit Units: 2.0 Course Hours: n/a

Your studies will focus on safety as it relates to a hair salon, personal health and sanitation. This course provides instruction in the study of bacteriology. You will also study relevant safety concerns such as fire safety, health risks and diseases.

SANT 109 Safe Food Management

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): SANT 111, SANT 181

You will learn sanitary food handling techniques that reduce the risk of food poisoning. You will develop management skills and tools to foster a culture of food safety.

SANT 110 Sanitation, Safety and Hygiene for Skin Care Technicians

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on safety as it relates to a spa, personal health and sanitation. This course provides instruction in the study of bacteriology. You will also study relevant safety concerns such as fire safety, health risks and diseases.

SANT 111 Safe Food Management

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): SFTY 111

You will learn sanitary food handling techniques that reduce the risk of food poisoning. You will develop management skills and tools to foster a culture of food safety.

SANT 181 FOODSAFE Level 1

Credit Units: 1.0 Course Hours: 9.0

Equivalent Course(s): SFTY 111

You will learn sanitary food handling techniques that reduce the risk of food poisoning.

SANT 185 FOODSAFE Level 2

Credit Units: 1.0 Course Hours: 13.0

Prerequisite(s): (SANT 181* or SFTY 111*)

Building on the knowledge in FOODSAFE Level 1, you will develop management skills and tools to foster a culture of food safety.

SCAF 103 Scaffolds

Credit Units: 2.0 Course Hours: 30.0

You will learn how to select and safely set up various types of scaffolding used in the masonry trade. The safety regulations in the Saskatchewan Occupational Health and Safety (OH&S) Act will be emphasized.

SCAF 105 Scaffolding and Power Mobile Equipment

Credit Units: 3.0 Course Hours: 45.0

You will learn how to select and safely set up various types of scaffolding used in the masonry industry. The safety regulations in the Saskatchewan Occupational Health and Safety (OH&S) will be emphasized. Basic rigging techniques will be introduced. You will be able to identify the safe operation of Power Mobile Equipment. You will have an opportunity to practice operating various types of forklifts.

SCAF 120 Scaffolds and Rigging

Credit Units: 1.0 Course Hours: 15.0

You will be able to describe procedures for safely using ladders and ramps. The course content includes procedures for erecting, maintaining, and dismantling various types of access scaffolds. You will also study basic rigging operations.

SCAF 152 Scaffolds

Credit Units: 1.0 Course Hours: 18.0

You will receive the theory and hands-on experience needed for the safe use of ladders, ramps and runways used in construction. The course content includes erecting, maintaining and dismantling various types of access scaffolds and rigging and hoisting equipment.

SCI 03 Science Level 3

Credit Units: 1.0 Course Hours: 100.0

The Circle of learning - Science Adult 10 Level Three curriculum develops knowledge and understanding in matter, energy, and life sciences to meet the standards of the curriculum guide.

SCI 108 Plumbing/Pipefitting Science

Credit Units: 1.0 Course Hours: 16.0

You will gain an understanding of basic scientific principles that apply to the Plumbing/Pipefitting trade. You will study classification, properties and states of matter, basic chemistry, and basic principles of Thermodynamics. You will also solve problems involving simple machines.

SCI 1500 Science Bridging

Credit Units: 0.0 Course Hours: 50.0

Provides generic science knowledge to prepare students for the Chemistry, Biology and Physics Preparation courses.

SCI 1800 Foundational Science Skills

Credit Units: 0.0 Course Hours: 100.0

Working collaboratively in a highly interactive, hands-on learning environment, students will build their skills and develop learning strategies which will help them become successful in chemistry and biology.

SCI 1801 St Assist Science

Credit Units: 0.0 Course Hours: 50.0

Student Assistance Science 10

SCI 31 Science 31 - Locally Modified Basic

Credit Units: 1.0 Course Hours: 100.0

A generalized science curriculum modified by including a minimum of 50% of regular curriculum objectives and up to 50% local objectives.

SECG 100 Crime Prevention and Technology

Credit Units: 3.0 Course Hours: 45.0

You will examine the processes and technologies involved in crime prevention. You will demonstrate skills necessary to maintain a safe work environment.

SECG 101 Legislation and Procedures for Security Officers

Credit Units: 4.0 Course Hours: 60.0

You will examine provincial and federal legislation, policy and procedures in the security field. Your studies will also include the successful completion of the Private Investigators and Security Guards Act (PISGA) exam.

SEM 100 Hairstylist Professional Development

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): PRAC 201*

You will participate in field trip experiences to enrich your industry contacts, increase your product knowledge and learn about the latest technology and techniques.

SEM 101 Technology Seminars

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): ENGM 181, ETHC 183, ORTN 120, SEM 104

Your orientation will include discussions regarding the role of technicians/technologists in the workplace and society. You will study time management skills, diversity in the workplace, principles of sustainability and safety requirements.

SEM 104 Technology Seminars

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): SEM 101

Your orientation will include discussions regarding the role of technicians/technologists in the workplace and society. You will study time management skills, diversity in the workplace, principles of sustainability, and safety requirements.

SEM 105 Youth Care Worker Diploma Integration Seminar 1

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): PRAC 385

You will reflect on professional practice with a focus on advanced knowledge and skills developed in youth care courses. You will develop a personal portfolio for practicum placement in PRAC 398, Practicum 1. You will explore the professional expectations of agencies involved in your placement.

SEM 105CE Youth Care Worker Diploma Integration Seminar 1

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): PRAC 385

You will reflect on professional practice with a focus on advanced knowledge and skills developed in youth care courses. You will develop a personal portfolio for practicum placement in PRAC 398, Practicum 1. You will explore the professional expectations of agencies involved in your placement.

SEM 107 Engineering Software Applications

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): COMP 113, MAT 110, MAT 111*

You will examine technical documentation production techniques and use software to solve engineering focused problems. You will receive an introduction to other relevant software and programming techniques that will be further utilized in upper level courses and in industry. You will utilize concepts and applications related to the Internet of Things (IoT). Emerging trends in mechanical engineering will be presented as time permits.

SEM 108 Innovative Manufacturing Seminar

Credit Units: 2.0 Course Hours: 30.0

You will study creative and critical thinking in order to apply those skills to roles in the organization, and professional and personal situations. You will be analyzing information in order to respond to a wide variety of work and personal situations.

SEM 109 Seminar

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): MHA 104, MHA 105, MHA 106, MHA 107, MHA 143, MHA 144, MHA 149, MHA 101*, MHA 102*

You will meet your cohort face-to-face to integrate theoretical concepts learned in your courses and practice essential skills. You will present on a topic of choice relevant to your professional development and further develop your counseling skills. You will learn how to recognize when someone is suicidal and assist a person at risk to avoid suicide. Upon completion, you will receive Applied Suicide Intervention Skills Training (ASIST) certification.

SEM 160 Orientation Seminar

Credit Units: 1.0 Course Hours: 18.0

You will learn how the dental assistant functions within the dental health team, the workplace and society. You will be introduced to employability skills required to be successful in the dental profession. You will participate in seminars to develop study and life management skills that will help you become a successful adult learner. The course content includes an introduction to professional portfolio development and Saskatchewan Polytechnic student policies.

SEM 200 Youth Care Worker Diploma Integration Seminar 2

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): PRAC 398, PRAC 385

You will reflect on practicum experiences and the application of advanced theories, knowledge and skills in practicum settings. You will discuss current issues in the provision of youth services. You will add to your personal portfolio for practicum placement in PRAC 399, Practicum 2. You will explore the expectations of agencies involved in your placement.

SEM 200CE Youth Care Worker Diploma Integration Seminar 2

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): PRAC 398, PRAC 385

You will reflect on practicum experiences and the application of advanced theories, knowledge and skills in practicum settings. You will discuss current issues in the provision of youth services. You will add to your personal portfolio for practicum placement in PRAC 399, Practicum 2. You will explore the expectations of agencies involved in your placement.

SEM 201 Practicum Seminar

Credit Units: 1.0 Course Hours: 15.0

You will prepare for your 120 hours practicum, by developing career goals, printed material and participating in an interview.

SEM 202 Individual Counselling Seminar

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MHA 203

This hands-on seminar will build on your counselling skills and assist in guiding a client through the stages of an integrative counselling framework. While demonstrating motivational interviewing, you will support a client to set a goal and develop a plan of action. You will receive and offer feedback.

SEM 208 Industry Engagement

Credit Units: 1.0 Course Hours: 15.0

You will engage with local industry and visit various manufacturing or industrial facilities. The course will include inviting local experts to present and share their expertise.

SEM 281 Animal Health and Nutrition

Credit Units: 3.0 Course Hours: 39.0

Prerequisite(s): APHY 281, VETR 279, VETR 287

Corequisite(s): ANES 279, CHEM 280, HEMA 281, HEMA 282, PRST 280, VETR 290

You will attend seminars on a wide range of animal health topics including parasitology, nutrition, husbandry, management practices, veterinary legislation and employment opportunities. You will practice dental scaling in preparation for the fourth semester dental lab. You will also learn about current industry trends and non-traditional employment fields. Attendance at all sessions is required to pass this course.

SEM 283 Seminar

Credit Units: 1.0 Course Hours: 15.0

You will learn about topics of interest in the computer technology field from speakers representing various companies in industry.

SFTY 103 Welding Safety

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SFTY 114

Your studies will focus on general safety as it applies to the welding trade. You will learn about firefighting equipment, organize a shop for safe welding operation and safely transport and store welding supplies. You will also learn basic rigging techniques. You will study the Workplace Hazardous Materials Information System (WHMIS) and be introduced to Occupational Health and Safety Act and regulations.

SFTY 106 Wilderness Survival

Credit Units: 1.0 Course Hours: 15.0

You will be introduced to the basic survival techniques involving clothing, shelter building, fire, signaling and collecting food and water. You will also study how to deal with wildlife during dangerous encounters.

SFTY 109 Basic Safety and Maintenance

Credit Units: 10.0 Course Hours: 150.0

Prerequisite(s): EQPT 107

You will review the general and company-specific basic safety principles and maintenance procedures required to operate a raise bore drilling system.

SFTY 111 Safety, Sanitation and WHMIS

Credit Units: 2.0 Course Hours: 30.0

You will gain an understanding of the procedures related to safety and sanitation in a professional kitchen. This will include the handling of workplace hazardous materials. You will learn how to prepare safe, sanitary foods for customers while avoiding injury to yourself and your colleagues.

SFTY 113 General Safety

Credit Units: 2.0 Course Hours: 30.0

You will acquire general construction safety knowledge based on the interpretation of the Occupational Health and Safety Act and Regulations, and the Saskatchewan Construction and Safety Association requirements.

SFTY 114 Trade Safety

Credit Units: 1.0 Course Hours: 12.0

You will learn safe working practices and study regulations related to the trade.

SFTY 116 Safety

Credit Units: 1.0 Course Hours: 18.0

You will learn about the hazards associated with the refrigeration and air conditioning trade. You will also learn safe working practices and receive Workplace Hazardous Materials Information System (WHMIS) training.

SFTY 119 Shop Safety, Tools and Procedures

Credit Units: 1.0 Course Hours: 21.0

You will cover various aspects of employing safe work procedures in the shop area. You will learn how to access service information using manuals, CD ROMs and web based information. You will learn about the metric and Imperial fasteners used in the power equipment trade. You will develop the skills needed to remove broken fasteners, repair damaged threads and use soldering tools. You will also learn about bearings and seals.

SFTY 126 Safe Working Procedures

Credit Units: 2.0 Course Hours: 30.0

You will study and follow the basic principles of shop safety when working with and around equipment, tools and chemicals used in the auto body trade.

SFTY 129 Safety Awareness

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SAFE 107, SFTY 101

You will acquire the knowledge and theory needed to recognize and protect yourself from unsafe conditions on the job site. You will learn how to apply Occupational Health and Safety regulations. You will focus on the theory needed to identify and describe personal protective equipment, fall protection, and work environment hazards.

SFTY 130 Safety and Personal Protective Equipment

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the Occupational Health and Safety requirements for the electrician trade. You will learn about personal protective equipment that is required when working in the electrical trade. You will learn about arc flash hazards. You will learn how to utilize ladders and scaffolds safely. You will be introduced to basic rigging equipment, calculations, and operations. You will learn about Occupational Health and Safety requirements for rigging operations and equipment.

SFTY 133 Trade Safety

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to safety regulations and legislations. Students will learn to work safely with scaffolds, walkways, and ladders. Students will learn about confined space procedures, lockout, tagout and fall protection. Students will also be introduced to WHMIS and the globally harmonized system.

SFTY 138 Safety

Credit Units: 2.0 Course Hours: 30.0

You will receive general safety information as related to the construction and engineering technology industry. You will study health and safety legislations relating to the Transportation of Dangerous Goods (TDG), Workplace Hazardous Materials Information System (WHMIS) and Occupational Health and Safety (OH & S). You will also review pertinent occupational health hazards in industry and methods of incident prevention.

SFTY 139 Trade Related Safety

Credit Units: 2.0 Course Hours: 30.0

You will study general safety as it applies to the plumbing and pipefitting trades. You will be introduced to the Workplace hazardous Materials Information System (WHMIS) and articles of the Occupational Health and Safety OH&S) Act & Regulations that apply to these two trades.

SFTY 151 Food Safety (National Sanitation Certificate)

Credit Units: 1.0 Course Hours: 12.0

You will complete a provincially recognized food safety course learning how to safely and hygienically handle food products. You will learn about the responsibility for keeping informed about food recalls, labelling regulations, and the traceability of food products.

SFTY 157 Defensive Tactics

Credit Units: 2.0 Course Hours: 30.0

You will apply tactical intervention techniques for the assessment and management of difficult situations.

SFTY 158 Introduction to Search and Rescue

Credit Units: 2.0 Course Hours: 30.0

You will learn methods to organize community members to participate in a search and rescue operation. As part of your studies you will be required to participate in a search and rescue operation.

SFTY 159 Community Response to Traumatic Events

Credit Units: 2.0 Course Hours: 30.0

You will learn methods to coordinate your community resources and respond to a traumatic event.

SFTY 171 Auditing Safety Management System

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): LAW 100, SFTY 173, SFTY 175

Your studies will focus on the audit processes from initial planning through to completion. The course will include an overview of why auditing is required. Specific topics covered include audit criteria, steps for planning and conducting the audit, as well as reporting and follow up on corrective actions.

SFTY 172 Safety, Legislation and Codes

Credit Units: 3.0 Course Hours: 45.0

You will study general safety information related to power engineering. You will study the basic principles of personal protective equipment (PPE), fire safety and WHMIS. You will study environmental pollutants and their methods of control. You will review the various provincial, Canadian and American Society of Mechanical Engineers (ASME) legislation and codes related to the construction and operation of boilers, pressure vessels and refrigeration plants.

SFTY 173 Risk Management

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): LAW 100*

Equivalent Course(s): HLTH 180

Hazard identification, risk analysis, and hazard control are cornerstones in a workplace health and safety system. Your studies will focus on these three important elements while developing your critical thinking and problem-solving skills.

SFTY 173CE Risk Management

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): LAW 100*

Hazard identification, risk analysis, and hazard control are cornerstones in a workplace health and safety system. Your studies will focus on these three important elements while developing your critical thinking and problem-solving skills.

SFTY 174 Emergency Management

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SFTY 173

Your studies will focus on potential workplace emergencies. You will examine the role of stakeholders, legislation, standards, and best practices used to develop Emergency Management plans. You will discuss the importance of a proactive approach to Emergency Management and how to address communication and post incident recovery.

SFTY 174CE Emergency Management

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): SFTY 173

Your studies will focus on potential workplace emergencies. You will examine the role of stakeholders, legislation, standards, and best practices used to develop Emergency Management plans. You will discuss the importance of a proactive approach to Emergency Management and how to address communication and post incident recovery.

SFTY 175 Safety Program Management

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): LAW 100*, SFTY 173*

Equivalent Course(s): HLTH 181

You will learn to develop and implement a Safety Management Program. You will have the opportunity to conduct a needs assessment and practice developing and implementing policies, procedures and plans. This will enhance your ability to determine prevention and training strategies.

SFTY 175CE Safety Program Management

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): LAW 100*, SFTY 173*

You will learn to develop and implement a Safety Management Program. You will have the opportunity to conduct a needs assessment and practice developing and implementing policies, procedures and plans. This will enhance your ability to determine prevention and training strategies.

SFTY 176 Safety and Tools

Credit Units: 4.0 Course Hours: 60.0

You will gain an understanding of the procedures related to safety, sanitation, tools and equipment in a professional work environment. This will include the handling of workplace hazardous materials. You will learn how to prepare safe, sanitary food products while properly utilizing tools and equipment of the trade. Upon completion of the course, you will receive the WHMIS certification and the Food Handlers Certificate.

SFTY 177 Auditing Safety Management

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): LAW 100, SFTY 173, SFTY 175

Equivalent Course(s): SFTY 171

Your studies will focus on both internal and external audit processes from initial planning through to completion. The course will include an overview of why auditing is necessary. Specific topics covered include audit elements, steps for planning and conducting the audit, and reporting and follow-up on corrective actions. A variety of audit strategies will be examined.

SFTY 177CE Auditing Safety Management

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): LAW 100, SFTY 173, SFTY 175

Your studies will focus on both internal and external audit processes from initial planning through to completion. The course will include an overview of why auditing is necessary. Specific topics covered include audit elements, steps for planning and conducting the audit, and reporting and follow-up on corrective actions. A variety of audit strategies will be examined.

SFTY 178 Switchyard Safety

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on safety issues related to installing, maintaining and testing energized electrical equipment. You will study the installation requirements for high-voltage services, metering and distribution equipment.

SFTY 179 Safety in Pharmacy Practice

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to workplace and safety legislation that affects the pharmacy technician. The course content includes an introduction to WHMIS (Workplace Hazardous Materials Information System), hand hygiene, needle safety, OH&S (Occupational Health and Safety) requirements and labour standards. You will review safety and practice legislation and guidelines for Saskatchewan Pharmacy practice. You will study the importance of quality assurance in the workplace to ensure safe outcomes for your patients. You review your responsibilities and ways to address safety and wellness in the workplace. You will receive WHMIS certification in this course.

SFTY 185 Laboratory Safety

Credit Units: 1.0 Course Hours: 15.0

You will discuss topics related to safe working practices and procedures in the chemical laboratory. Many of these topics are related to government regulations and industrial laboratory guidelines.

SFTY 186 Warehouse Safety

Credit Units: 1.0 Course Hours: 12.0

You will learn about proper lifting procedures and back care as well as the importance of a safe work environment.

SFTY 191 Safety Systems

Credit Units: 3.0 Course Hours: 52.0

Your studies will focus on an overview of occupational health and safety systems. You will examine societal and organizational aspects, core principles, essential elements and a variety of legislation.

SFTY 192 Kitchen Safety

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): EQPT 108, SFTY 111, SFTY 180

You will learn kitchen safety procedures that reduce the risk of injuries occurring on the job.

SFTY 194 Professional Assault Response Training (PART) ©

Credit Units: 1.0 Course Hours: 12.0

You will participate in professional assault response training to provide you with defensive and preventive skills. Upon successfully completing the course, you will receive a Professional Assault Response Training (PART) © Intermediate certificate from Saskatchewan Association for Safe Workplaces in Health (SASWH). IMPORTANT: Please note that as of July 1, 2023 the course code for PART Intermediate will change from SFTY 194 to SFTY 1000.

SFTY 194CE Professional Assault Response Training (PART) ©

Credit Units: 1.0 Course Hours: n/a

You will participate in professional assault response training to provide you with defensive and preventive skills. Upon successfully completing the course, you will receive a Professional Assault Response Training (PART) © Intermediate certificate from Saskatchewan Association for Safe Workplaces in Health (SASWH). IMPORTANT: Please note that as of July 1, 2023 the course code for PART Intermediate will change from SFTY 194 to SFTY 1000.

SFTY 197 Workplace Hazardous Materials Information System and Transportation of Dangerous Goods

Credit Units: 1.0 Course Hours: 12.0

You will learn the workplace hazardous materials information system (WHMIS) and the transportation of dangerous goods (TDG) regulations, symbols, classes and divisions including emergency action plans. You will also learn how to store and ship dangerous goods in a warehouse setting.

SFTY 198 Contractor Safety Systems

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on safety systems and their relationship with contractors. Most organizations require external services at some point in time. Students will explore how to manage the legal relationships between contractors, prime contractors, and sub-contractors within your safety management system. Specific topics covered include legislated roles and responsibilities of employers, contractors, and supervisors; requirements for a safety management system; and Workers' Compensation Board (WCB) relationship with contractors.

SFTY 198CE Contractor Safety Systems

Credit Units: 3.0 Course Hours: n/a

Your studies will focus on safety systems and their relationship with contractors. Most organizations require external services at some point in time. Students will explore how to manage the legal relationships between contractors, prime contractors, and sub-contractors within your safety management system. Specific topics covered include legislated roles and responsibilities of employers, contractors, and supervisors; requirements for a safety management system; and Workers' Compensation Board (WCB) relationship with contractors.

SFTY 199 Fire Prevention and Protection

Credit Units: 4.0 Course Hours: 60.0

Your studies will focus on applying current concepts, principles, and practices involved in the evaluation, control, prevention, reduction, and elimination of fire hazards resulting in the protection of workers and workplaces. Specific topics include fire chemistry, causes of fire, fire detection and suppression systems, legislated codes and regulations, emergency preparedness plans, and stakeholder responsibilities.

SFTY 199CE Fire Prevention and Protection

Credit Units: 4.0 Course Hours: n/a

Your studies will focus on applying current concepts, principles, and practices involved in the evaluation, control, prevention, reduction, and elimination of fire hazards resulting in the protection of workers and workplaces. Specific topics include fire chemistry, causes of fire, fire detection and suppression systems, legislated codes and regulations, emergency preparedness plans, and stakeholder responsibilities.

SFTY 201 Managing Health and Safety Systems from an Occupational Health Nursing Perspective

Credit Units: 3.0 Course Hours: 50.0

Prerequisite(s): NRSG 287

You will focus your studies on elements of organizational culture and behavior which directly impact the effectiveness of an occupational health and safety system. You will explore safety systems, safety culture, learning organizations, responsibility systems, legislation, risk management, accident causation, auditing program elements, and management theories relate to health and safety. You will develop inspection and accident investigation skills.

SFTY 201CE Managing Health and Safety Systems from an Occupational Health Nursing Perspective

Credit Units: 3.0 Course Hours: 50.0

Prerequisite(s): NRSG 287

You will focus your studies on elements of organizational culture and behavior which directly impact the effectiveness of an occupational health and safety system. You will explore safety systems, safety culture, learning organizations, responsibility systems, legislation, risk management, accident causation, auditing program elements, and management theories relate to health and safety. You will develop inspection and accident investigation skills.

SFTY 300 Firearm Safety

Credit Units: 3.0 Course Hours: 45.0

You will study the Government of Canada course developed to meet the mandatory requirements for the acquisition of firearms set out in the Criminal Code of Canada. You will also study the provincial Saskatchewan Association for Firearm Education (SAFE) Hunter Education course developed to meet the mandatory requirements set out in The Wildlife Act, 1998 for hunters. You will acquire the knowledge and skills to demonstrate basic firearms safety practices, ammunition, parts of firearms, firing techniques and procedures as well as safe storage, display, transportation and handling.

SFTY 405 Construction Safety and Site Management

Credit Units: 3.0 Course Hours: 45.0

You will learn the rights and responsibilities of each participant and how to manage the activities on a construction site in a safe and effective manner.

SHME 120 Front Sheet Metal

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SFTY 126*, (DOOR 120*, ELEC 120*)

You will learn how to remove, install and align bumpers, hoods, header panels, fenders, radiator supports and headlight assemblies.

SHOP 102 Fabrication Techniques

Credit Units: 5.0 Course Hours: 68.0

Equivalent Course(s): SHOP 144, SHOP 181

You will be introduced to the practical aspects of fabricating electronic prototypes and products. You will learn about soldering theory, component identification, wires and cables, electrostatic safety, surface mount devices and fasteners. The practical skills you will develop include soldering, wire wrapping, fabricating cables, chassis assembly and metalworking. These topics will be synthesized when you build an electronics project.

SHOP 107 Shop Projects

Credit Units: 4.0 Course Hours: 60.0

You will construct various masonry projects. These projects will focus on constructing masonry columns, pilasters, and various ornamental masonry patterns.

SHOP 109 Automotive Shop Fundamentals

Credit Units: 3.0 Course Hours: 45.0

You will become familiar with occupation related tools, equipment and road test procedures. You will gain an understanding of trade related documents.

SHOP 110 Fabrication Techniques

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to the practical aspects of fabricating electronic prototypes and products. You will learn about surface mount and through-hole component identification, safe component handling, leaded and lead-free soldering, wire and cable, connectors, fasteners, hardware and metalworking as they relate to the electronics field. The practical skills you will develop include soldering, de-soldering, wire harness assembly, chassis fabrication and chassis assembly. You will construct several electronic products as a core element of this course.

SHOP 124 Hand Tools and Shop Safety

Credit Units: 3.0 Course Hours: 45.0

You will develop skills that will help you choose the correct tools for the job at hand. You will develop a work place safety plan and identify hazards in the shop area. You will learn about fasteners and threading procedures, and develop skills in using precision measuring tools as well as basic hand fabrication.

SHOP 125 Machine Safety and Operation

Credit Units: 3.0 Course Hours: 45.0

You will learn about machine safety procedures when working around and operating agricultural equipment. You will learn to move tractors, towed equipment, windrowers and combines safely in a shop setting. You will experience the precision farming guidance capabilities. You will become certified in the operation of forklifts and skid steer loaders.

SHOP 144 Fabrication Techniques

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): SHOP 102

You will be introduced to the practical aspects of fabricating electronic prototypes and products. You will learn about surface mount and through-hole component identification, safe component handling, leaded and lead-free soldering, wire and cable, connectors, fasteners, hardware, chemicals and metalworking as they relate to the electronics field. The practical skills you will develop include soldering, de-soldering, wire harness assembly, chassis fabrication, chassis assembly and component and assembly testing. You will construct several electronic products as a core element of this course.

SHOP 145 Installation Practices

Credit Units: 4.0 Course Hours: 60.0

Your studies will include terminating cables and describing installation safety practices. You will practice your residential and commercial installation and troubleshooting skills using a variety of systems including coax, entertainment, security, telephone and wireless.

SHOP 184 Mechanical and Electrical Skills

Credit Units: 3.0 Course Hours: 42.0

You will learn how to disassemble and reassemble a compressor, set controls and learn troubleshooting skills using simulators. Your training will also include troubleshooting and repair of domestic refrigerators.

SHOP 186 Mechanical Components and Systems Lab

Credit Units: 2.0 Course Hours: 30.0

You will focus on the application and operation of the components and systems rather than their use in the design process. You will work with and disassemble or assemble some of the components (others will be demonstrated for you). Some of the items you will investigate include bearings, shafts, chain belt and gear drives, hydraulic pumps, motors and cylinders, pneumatic systems, conveyors, and pneumatic and hydraulic flow and pressure control valves.

SHOP 187 Shop Procedures and Safety

Credit Units: 6.0 Course Hours: 84.0

You will explore the basic occupational skills, work practices and procedures required in the agricultural machinery industry.

SHOP 220 Shed Construction

Credit Units: 2.0 Course Hours: 24.0

Using the skills and knowledge you attain in the program, you will receive hands-on experience constructing an actual building.

SIMU 100 Practical Skills and Simulation

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ECRD 180*, PROC 183, HSTC 188*, ETHC 101, MICR 111

You will participate in activities to help prepare you for clinical experience. The course will focus on skill development in laboratory and electrocardiogram (ECG). The experience will assist you to correlate your theory to real patient and laboratory situations. You will demonstrate your ability to prioritize, organize, and implement procedures. Your ability to apply professional practice will be stressed. You will continue to apply previously learned knowledge and skills.

SIMU 201 Microbiology Practical Skills and Simulation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): BIOL 104, CHEM 211, CHEM 212, ETHC 101, HSTC 210, HEMA 212, HEMA 213, TRFS 202, TRFS 203, MICR 212, CLIN 120, CLIN 121

You will participate in activities to improve laboratory skills, knowledge and professionalism required for clinical practicums. You will practice, build and demonstrate your abilities in Microbiology using assignments, practical labs, simulation and competency assessments. Upon successful completion, you will have enhanced laboratory skills including certain specific competencies that meet a nationally accepted standard.

SIMU 202 Hematology Practical Skills and Simulation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): BIOL 104, CHEM 211, CHEM 212, ETHC 101, HSTC 210, HEMA 212, HEMA 213, TRFS 202, TRFS 203, MICR 212, CLIN 120, CLIN 121

You will participate in activities to improve laboratory skills, knowledge and professionalism required for clinical practicums. You will practice, build and demonstrate your abilities in Hematology using assignments, practical labs, simulation and competency assessments. Upon successful completion, you will have enhanced laboratory skills including certain specific competencies that meet a nationally accepted standard.

SIMU 203 Transfusion Medicine Practical Skills and Simulation

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): BIOL 104, CHEM 211, CHEM 212, ETHC 101, HSTC 210, HEMA 212, HEMA 213, TRFS 202, TRFS 203, MICR 212, CLIN 120, CLIN 121

You will participate in activities to improve laboratory skills, knowledge and professionalism required for clinical practicums. You will practice, build and demonstrate your abilities in Transfusion Medicine using assignments, practical labs, simulation and competency assessments. Upon successful completion, you will have enhanced laboratory skills including certain specific competencies that meet a nationally accepted standard.

SIMU 204 Clinical Chemistry Practical Skills and Simulation

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): BIOL 104, CHEM 211, CHEM 212, ETHC 101, HSTC 210, HEMA 212, HEMA 213, TRFS 202, TRFS 203, MICR 212, CLIN 120, CLIN 121

You will participate in activities to improve laboratory skills, knowledge and professionalism required for clinical practicums. You will practice, build and demonstrate your abilities in chemistry using assignments, practical labs, simulation and competency assessments. Upon successful completion, you will have enhanced laboratory skills including certain specific competencies that meet a nationally accepted standard.

SIMU 205 Molecular Diagnostics Practical Skills and Simulation

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): BIOL 104, CHEM 211, CHEM 212, ETHC 101, HSTC 210, HEMA 212, HEMA 213, TRFS 202, TRFS 203, MICR 212, CLIN 120, CLIN 121

You will participate in activities to improve laboratory skills, knowledge and professionalism required for clinical practicums. You will practice, build and demonstrate your abilities in Molecular Biology using assignments, practical labs, simulation and competency assessments. Upon successful completion, you will have enhanced laboratory skills including certain specific competencies that meet a nationally accepted standard.

SIMU 206 Histotechnology Practical Skills and Simulation

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): BIOL 104, CHEM 211, CHEM 212, ETHC 101, HSTC 210, HEMA 212, HEMA 213, TRFS 202, TRFS 203, MICR 212, CLIN 120, CLIN 121

You will participate in activities to improve laboratory skills, knowledge and professionalism required for clinical practicums. You will practice, build and demonstrate your abilities in Histology using assignments, practical labs, simulation and competency assessments. Upon successful completion, you will have enhanced laboratory skills including certain specific competencies that meet a nationally accepted standard.

SIMU 280 Practical Skills and Simulation

Credit Units: 10.0 Course Hours: 150.0

Prerequisite(s): ECRD 180, CHEM 211, MGMT 109, ETHC 101, PROC 185, PATH 203, QC 101, RSAP 103, RDGR 203, HEMA 210, HEMA 211, RDGR 204, EDUC 303*, EDUC 304*, CLIN 190*, CLIN 193*

You will participate in a 150-hour simulation that will help prepare you for your clinical experience. The course will focus on skill development in x-ray, laboratory and electrocardiogram (ECG). The experience will assist you to correlate your theory to real patient and laboratory situations. You will demonstrate your ability to prioritize, organize and implement procedures in all disciplines. Your ability to apply professional practice will be stressed.

SIMU 281 Practical Skills and Simulation

Credit Units: 6.0 Course Hours: 90.0

Prerequisite(s): ETHC 101, RSAP 103, RDTM 282, MGMT 110, RDGR 201*, PATH 203*, RDGR 203*, RDGR 204*

You will participate in a simulation course designed to prepare you for your first clinical experience. The course will focus on skill development in the areas of patient care, diagnostic imaging procedures and equipment operation. You will assume a variety of roles as you engage in authentic scenarios typically encountered in clinical radiographic practice. This experience will assist you to correlate theory to real patient situations. Your ability to apply general employability skills will be emphasized.

SIMU 282 Simulation Laboratory

Credit Units: 3.0 Course Hours: 48.0

Prerequisite(s): ETHC 280, ETHC 185, HSTC 187, HEMA 191, BIOL 181, CYTO 184, CYTO 281, CYTO 282, CYTO 283, CYTO 286, CYTO 287, IMMU 183

You will participate in a 48-hour simulation laboratory designed to reflect clinical setting expectations. You will microscopically evaluate known gynecological and non-gynecological specimens using appropriate terminology and scientific knowledge.

SLGT 140 Beef and Pork Slaughtering

Credit Units: 2.0 Course Hours: 30.0

You will learn humane slaughtering and butchering skills for beef and pork. This includes stunning, sticking, skinning, gutting, splitting and dressing carcasses for federal inspection.

SMGT 200 Sport Partnership Development

Credit Units: 3.0 Course Hours: 45.0

You will acquire knowledge and skills to successfully develop sport partnerships. Specifically, you will discuss market trends in Canadian sport partnership, the value partnerships generate for sport organizations and their partners, implement a four-step approach to developing successful sport partnerships, and prepare a sport partnership proposal.

SMGT 201 Tournament, League, and Competition Management

Credit Units: 3.0 Course Hours: 45.0

You will gain the knowledge and skills required to successfully manage sport tournaments, leagues, and competitions. Specific topics include the impact of governing bodies, administration, operations, policies and procedures, and formats, as they relate to tournaments, leagues, and competitions. To demonstrate your learning, you will plan and manage a tournament, league, or competition.

SMGT 202 Sales, Revenue, and Value Generation in Sport 1

Credit Units: 4.0 Course Hours: 60.0

You will acquire a variety of skills to generate revenue and value for sport organizations. Specifically, you will study how sport organizations generate revenue and value, the role of branding and social media, governance and reporting in non-profit organizations, principles of relationship selling, a method for selling in sport, and then apply specific strategies for generating revenue. Key strategies include increasing recruitment and loyalty among members and participants, partnership development, fundraising, and grant writing.

SMGT 203 Sales, Revenue, and Value Generation in Sport 2

Credit Units: 4.0 Course Hours: 60.0

Building on sales, Revenue, and Value Generation in Sport 1, you will acquire additional strategies to generate revenue and value in sport. Specifically, you will discuss ticket sales, ticketing, sales, and customer relationship management software, and sales force management. Revenue generation strategies include relationship selling for ticket sales, fan engagement and loyalty, generating foundation revenues, and ancillary sources. You will prepare a revenue generation plan for a sport organization and discuss future trends in revenue generation in the sport industry.

SMGT 204 Sport Event Management

Credit Units: 4.0 Course Hours: 60.0

You will gain the skills required to plan and manage a sport event. Specifically, you will learn how to conceptualize and bid to host a sport event and implement a project management approach to event planning. Additionally, you will plan a sport event including event budgeting, partnership, marketing, media relations, promotion, contract and risk management, staffing, recruiting, organizing, and leading volunteers, logistics, and operations. After you have planned the event, you will manage and evaluate it.

SNOW 111 Fuel Systems

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SNOW 200

You will focus on carburetor theory and the servicing of fuel delivery systems on snowmobiles. You will also learn how to diagnose fuel system malfunctions and service oil injection systems.

SNOW 112 Engine Management Systems

Credit Units: 1.0 Course Hours: 21.0

Equivalent Course(s): SNOW 201

You will learn about the electronic engine management systems used on current model snowmobiles, including the theory of operation and testing procedures of electronic fuel injection (EFI) systems. You will also learn about carburetor compensating systems.

SNOW 113 Starting, Charging and Ignition Systems

Credit Units: 4.0 Course Hours: 54.0

You will focus on the repair of recoils and the servicing of snowmobile starting, charging and lighting systems. You will learn the theory of operation of various ignition systems used for snowmobile engines. You will also learn about the techniques and tools used to diagnose ignition malfunctions.

SNOW 114 Drive Systems

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SNOW 207

You will study snowmobile drive systems and learn how to recondition and align components.

SNOW 115 Two-Stroke Engines

Credit Units: 4.0 Course Hours: 66.0

You will focus on two-stroke engine overhauls, including pistons, rings, and crankshafts and diagnosing engine malfunctions. You will also study snowmobile cooling systems and learn how to service these systems.

SNOW 116 Snowmobile Four-Stroke Engines

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SNOW 205

You will learn the theory of operation and the servicing of snowmobile four-stroke engines. You will also be provided with the opportunity to research future trends in the snowmobile industry.

SNOW 117 Chain Cases and Suspensions

Credit Units: 3.0 Course Hours: 42.0

Equivalent Course(s): SNOW 208

You will learn how to service chain cases, brakes and track and rear suspensions.

SNOW 118 Steering Systems

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SNOW 209

You will learn how to service snowmobile front steering and suspension systems, including the procedures for recharging gas shock absorbers.

SOCI 100 Introduction to Sociology

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): SOCI 160

You will examine how to practice sociology, and learn about the importance of culture and socialization. You will discuss social inequality in Canada, the power of mass media and the dualism of sex and gender. You will examine race, ethnicity, social control, and deviance. Your studies will also include a discussion of collective behaviour, social movements, and social change.

SOCI 101 Cultural and Indigenous Awareness in Health Care

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the sociological imagination. You will discuss the relationship between culture, colonization, and land. The sociology of science and technology will be explained. You will learn to recognize forms of oppression, diversity, and inclusion. Next you will explore the need for reconciliation and decolonization. Finally, you will develop a personal awareness plan and social action plan.

SOCI 160 Foundations of Sociology

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): SOCI 184

Using your sociological imagination, you will examine how to practice sociology, and learn about the importance of culture, socialization, and the family. You will discuss social inequality in Canada, as well as explore the concepts of social control and deviance. Your studies will also include issues related to the power of mass media, the dualism of sex and gender, and race and ethnicity. You will have an opportunity to examine collective behavior, social movements, social change, and globalization.

SOCI 160CE Foundations of Sociology

Credit Units: 3.0 Course Hours: n/a

Using your sociological imagination, you will examine how to practice sociology, and learn about the importance of culture, socialization, and the family. You will discuss social inequality in Canada, as well as explore the concepts of social control and deviance. Your studies will also include issues related to the power of mass media, the dualism of sex and gender, and race and ethnicity. You will have an opportunity to examine collective behavior, social movements, social change, and globalization.

SOCI 170 Sociology

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): SOCI 282

You will be introduced to the field of sociology. The focus will be on patterns of social behavior and the relation of the individual to society. The social forces influencing behavior will also be examined. Topics include socialization, culture, family, deviance, economics, social change, population, and sociological perspectives.

SOCI 171 Culture and Diversity in Canadian Society

Credit Units: 3.0 Course Hours: 45.0

You will explore culture and diversity in Canada and the challenges they present. You will discuss the impacts of oppression, multiculturalism, immigration, social inequalities, and social justice at both personal and professional levels. You will discuss the historical and contemporary challenges of Indigenous peoples. You will also examine tools to foster social change and diversity competencies.

SOCI 184 Sociology A

Credit Units: 3.0 Course Hours: 40.0

Equivalent Course(s): SOCI 160

The course provides an introduction to the sociological perspective and addresses the study of people as social beings. You will examine culture, socialization processes and social inequality.

SOCI 184CE Sociology A

Credit Units: 3.0 Course Hours: n/a

The course provides an introduction to the sociological perspective and addresses the study of people as social beings. You will examine culture, socialization processes and social inequality.

SOCI 185 Sociology B

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): SOCI 184

Equivalent Course(s): SOCI 260, SOCI 282

Building on what you learned in SOCI 184, you will examine the importance of a sociological understanding in human service professions. You will study social institutions, social deviance, and issues facing mainstream and marginalized people in Canada.

SOCI 185CE Sociology B

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): SOCI 184

Building on what you learned in SOCI 184, you will examine the importance of a sociological understanding in human service professions. You will study social institutions, social deviance, and issues facing mainstream and marginalized people in Canada.

SOCI 200 Culture and Diversity in Health Sciences

Credit Units: 3.0 Course Hours: 49.0

Equivalent Course(s): NRSG 235, SOCI 261

You will explore the cultural diversity of Canadian society. You will discuss immigration trends, cultural values and the implications to the provision of health services. Cultural safety in healthcare and the role of the health care professional will be discussed in context.

SOCI 201 Culture and Diversity in Health Sciences

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SOCI 160

You will explore the cultural diversity of Canadian society. You will discuss immigration trends, cultural values and the implications to the provision of health services. Cultural safety in healthcare and the role of the health care professional will be discussed in context.

SOCI 201CE Culture and Diversity in Health Sciences

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): SOCI 160

You will explore the cultural diversity of Canadian society. You will discuss immigration trends, cultural values and the implications to the provision of health services. Cultural safety in healthcare and the role of the health care professional will be discussed in context.

SOCI 202 Sport in Society

Credit Units: 3.0 Course Hours: 45.0

You will study historical and current societal issues to recognize the unique role sport has in transforming society and culture. Specific topics include the history of sport sociology in Canada, the role of ethics and integrity, equity, diversity, inclusion, and accessibility, the Truth and Reconciliation Commission of Canada Calls to Action that relate to sport, the Indigenous Long-Term Participant Development Pathway, gender topics, violence and deviance, as well as the relationships between sport and the economy, media, and politics.

SOCI 300 Culture and Diversity in Canadian Society

Credit Units: 3.0 Course Hours: 45.0

You will explore culture and diversity in Canada. You will assess the impacts of oppression, multiculturalism, immigration, social inequalities, sex and gender, race, religion, and ability. You will explain the social, cultural and historical contexts of Indigenous peoples. You will also evaluate tools to foster social change and diversity competencies.

SOIL 100 Soil Analysis 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): TERR 100

Equivalent Course(s): SOIL 120

Your studies will focus on data collection, analysis and reports for the identification, classification and determination of properties of earth materials. You will perform industry-standard test procedures on soil and aggregate as well as evaluate the methods to determine results.

SOIL 101 Soil Analysis 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SOIL 100

Equivalent Course(s): SOIL 220

You will be introduced to the physical properties, mechanics and engineering applications of soils. You will study theoretical background for designing, inspecting and evaluating construction using earth materials.

SOIL 102 Soil Testing, Taxonomy and Classification

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): TERR 101

Equivalent Course(s): SOIL 120

Your studies will focus on data collection, analysis and report-writing for the identification, classification and determination of properties of earth materials. You will perform industry-standard test procedures on soil and aggregate. You will evaluate the methods and determine the results. This course is a foundation for the study of soils and parent material from a Saskatchewan landscape perspective.

SOIL 120 Soil Analysis

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): SOIL 100

You will study data collection, analysis and reports for the identification, classification and determination of properties of earth materials. You will perform industry-standard test procedures on soil and aggregate. You will evaluate the methods and determine the results.

SOIL 200 Soil and Crop Nutrition

Credit Units: 3.0 Course Hours: 45.0

You will examine the principles of soil formation, management and soil fertility. You will also learn soil sampling strategies, the interpretation of soil test reports and basic fertilizer blending.

SOIL 220 Soils

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SOIL 120

You will evaluate the physical properties and engineering applications of soils. You will study concepts for the design, construction and inspection of earth works.

SOIL 222 Geotechnical Design

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SOIL 220

You will calculate subsurface soil stresses and deformation associated with imposed construction loads. You will design foundations and gravity walls. You will assess temporary cut slopes of excavations. You will evaluate the stability of soil slopes. You will discuss soil slope stabilization techniques.

SOSC 03 Social Sciences Level 3

Credit Units: 1.0 Course Hours: 100.0

The Circle of Learning-Social Science Adult 10 Level Three curriculum develops further understanding our culture and self-identity, and systems of governance to meet the standards of the curriculum guide

SOSC 1800 St Assist Social Sciences

Credit Units: 0.0 Course Hours: 1.0

Social Studies/History/Psychology Student Assist

SOSC 1801 St Assist Social

Credit Units: 0.0 Course Hours: 50.0

Student Assistance Social Science

SOST 30 Social Studies/H30

Credit Units: 1.0 Course Hours: 80.0

High School Completion Course.

SPCR 100 Transferring Lifting Repositioning (TLR®) ©

Credit Units: 1.0 Course Hours: 8.0

You will participate in activities to move and position clients/objects in health care settings using minimal physical effort and maximizing the use of mechanical aids and equipment. The course focuses on client/caregiver safety. You will receive a Transferring Lifting Repositioning (TLR®) © certificate from Saskatchewan Association for Safe Workplaces in Health (SASWH) upon successfully completing the course. IMPORTANT: Please note that as of July 1, 2023 the course code for TLR will change from SPCR 100 to SPCR1004.

SPCR 100CE Transferring Lifting Repositioning (TLR®) ©

Credit Units: 1.0 Course Hours: n/a

You will participate in activities to move and position clients/objects in health care settings using minimal physical effort and maximizing the use of mechanical aids and equipment. The course focuses on client/caregiver safety. You will receive a Transferring Lifting Repositioning (TLR®) © certificate from Saskatchewan Association for Safe Workplaces in Health (SASWH) upon successfully completing the course. IMPORTANT: Please note that as of July 1, 2023 the course code for TLR will change from SPCR 100 to SPCR1004.

SPCR 101 Observing, Reporting, and Recording

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): COMM 198, NURS 171

You will learn written and oral communication skills required in the work place. The course content includes basic concepts of simple arithmetic, basic medical terminology, concept mapping, observing and reporting on client's status, client and personal work plans.

SPCR 101CE Observing, Reporting, and Recording

Credit Units: 2.0 Course Hours: n/a

You will learn written and oral communication skills required in the work place. The course content includes basic concepts of simple arithmetic, basic medical terminology, concept mapping, observing and reporting on client's status, client and personal work plans.

SPCR 102 End of Life Care

Credit Units: 2.0 Course Hours: 30.0

Your studies will cover death and dying in the Canadian context. You will study the basic needs and interventions of the dying client. You will also cover grief, the grieving process and the impact of life threatening illnesses on the family members.

SPCR 102CE End of Life Care

Credit Units: 2.0 Course Hours: n/a

Your studies will cover death and dying in the Canadian context. You will study the basic needs and interventions of the dying client. You will also cover grief, the grieving process and the impact of life threatening illnesses on the family members.

SPCR 104 Personal Care 1

Credit Units: 2.0 Course Hours: 30.0

You will have the opportunity to become skilled at assisting clients in meeting personal care needs. You will study infection control, body mechanics, bed making, positioning clients, oral care, and assisting to feed clients.

SPCR 104CE Personal Care 1

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SPCR 104

You will have the opportunity to become skilled at assisting clients in meeting personal care needs. You will study infection control, body mechanics, bed making, positioning clients, oral care, and assisting to feed clients.

SPCR 105 Personal Care 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SPCR 104

Building on the skills you learned in Personal Care 1, you will become skilled at assisting clients in meeting personal care needs. You will study grooming and dressing, foot and nail care, and elimination care.

SPCR 105CE Personal Care 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SPCR 104

Equivalent Course(s): SPCR 105

Building on the skills you learned in Personal Care 1, you will become skilled at assisting clients in meeting personal care needs. You will study grooming and dressing, foot and nail care, and elimination care.

SPCR 106 Introduction to Caregiving

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): SPCR 180

You will examine the role of the Continuing Care Assistant as part of the interprofessional team and discuss the attributes that are required to be a successful team member. Client and family-centered care will be discussed with the use of effective communication to build rapport and trust. Safe practices will be explored to ensure safety for the client and caregiver.

SPCR 107 Community Care

Credit Units: 3.0 Course Hours: 45.0

You will learn how to promote client independence in a safe home environment. Examination of community resources will help you learn how to promote socialization for seniors. Nutritional challenges and activity for seniors will be discussed as well as the employment standards for working alone in home care. This course includes a 1 day observed community exercise.

SPCR 108 Special Procedures

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to the Continuing Care Assistant's role in assisting with special procedures. You will learn about delegation and perform basic measurements and simple treatments. Client assessment will also be discussed. You will acquire the theory and skills required to assist clients who have post-acute surgical or medical conditions.

SPCR 192 Personal Competence

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): NEPS 113

Your studies will focus on the goals and philosophy of health care services in Saskatchewan. You will learn how these goals are reflected in the activities of the agency and on your role as a caregiver. You will learn about your role in providing care services within a multicultural dynamic setting. The course content also includes interprofessional work environments, personal health, employability skills, and types of abuse (for example: caregiver, neglect and abandonment, sexual and financial).

SPCR 192CE Personal Competence

Credit Units: 2.0 Course Hours: n/a

Your studies will focus on the goals and philosophy of health care services in Saskatchewan. You will learn how these goals are reflected in the activities of the agency and on your role as a caregiver. You will learn about your role in providing care services within a multicultural dynamic setting. The course content also includes interprofessional work environments, personal health, employability skills, and types of abuse (for example: caregiver, neglect and abandonment, sexual and financial).

SPCR 284 Special Needs 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): NEPS 291

Your studies will cover the basic needs and interventions of clients with disruptions in their sensory organs, body systems (i.e. cardiovascular, musculoskeletal, neurological and endocrine) and body functions (i.e. genitourinary and gastro-intestinal).

SPCR 284CE Special Needs 1

Credit Units: 3.0 Course Hours: n/a

Your studies will cover the basic needs and interventions of clients with disruptions in their sensory organs, body systems (i.e. cardiovascular, musculoskeletal, neurological and endocrine) and body functions (i.e. genitourinary and gastro-intestinal).

SPCR 285 Special Needs 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SPCR 284

Equivalent Course(s): NEPS 293

Your studies will cover the basic needs and interventions of clients with infectious diseases, cancer, altered mental abilities, disruption in mental health, and alcohol and drug dependency. You will learn the specific care required for bariatric clients.

SPCR 285CE Special Needs 2

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): SPCR 284

Your studies will cover the basic needs and interventions of clients with infectious diseases, cancer, altered mental abilities, disruption in mental health, and alcohol and drug dependency. You will learn the specific care required for bariatric clients.

SPSY 100 Ethics and Professionalism

Credit Units: 3.0 Course Hours: 45.0

You will learn the concepts of behavior and ethics as they apply to the field of victim services. You will also have the opportunity to develop a safety plan, resume/portfolio and practice job interview skills.

SPSY 100CE Ethics and Professionalism

Credit Units: 3.0 Course Hours: n/a

You will learn the concepts of behavior and ethics as they apply to the field of victim services. You will also have the opportunity to develop a safety plan, resume/portfolio and practice job interview skills.

SPSY 101 Introduction to Disability Support Worker and Services

Credit Units: 4.0 Course Hours: 60.0

You will examine the services available for persons with disabilities. You will study the professional role and expectations of disability support workers. You will be introduced to legislation that governs employer/employee relationships and to the importance of diversity and cultural inclusion in the workplace.

SPSY 101CE Introduction to Disability Support Worker and Services

Credit Units: 4.0 Course Hours: n/a

You will examine the services available for persons with disabilities. You will study the professional role and expectations of disability support workers. You will be introduced to legislation that governs employer/employee relationships and to the importance of diversity and cultural inclusion in the workplace.

SPSY 102 Introduction to Autism Spectrum Disorder

Credit Units: 3.0 Course Hours: 45.0

This introductory course will provide information on Autism Spectrum Disorder (ASD) You will study the characteristic of ASD, the diagnostic criteria as well as the historical and social implications of this diagnosis. You will also be introduced to evidence- based Interventions and personal program planning for supporting children with ASD.

SPSY 103 Programming for Children with Autism Spectrum Disorder in Inclusive School Settings

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SPSY 102

In this course you will examine the many aspects of programming for children with autism spectrum disorder. Theories and strategies for managing sensory, anxiety and processing challenges will be discussed. You will study how to incorporate strategies to support language, literacy, social skills, and behavioural concerns. You will examine evidence-based strategies, inclusion practices, and transition objectives that support children with autism spectrum disorder in an inclusive setting. You will examine program development and the process for creating a personal program plan for children with autism spectrum disorder.

SPSY 119 Interpersonal Violence

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): SPSY 141

You will study interpersonal violence in both family and community situations. You will apply this knowledge to understanding the perpetrator and the victim when planning interventions. You will examine the role of community resources available to support families in urban centres and Indigenous communities.

SPSY 119CE Interpersonal Violence Strat

Credit Units: 2.0 Course Hours: n/a

You will study interpersonal violence in both family and community situations. You will apply this knowledge to understanding the perpetrator and the victim when planning interventions. You will examine the role of community resources available to support families in urban centres and Indigenous communities.

SPSY 124 Professionalism and Ethics in Public Safety

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): LEGL 142, SPSY 184

You will examine the roles of values clarification and morals in the field of public safety You will apply these skills as they apply to professionalism and ethics in the workplace. You will examine the concepts of respectful communication in a workplace setting.

SPSY 140 Addictions and Mental Health

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): YCW 284

You will examine the theoretical perspectives of addictive behaviors with a focus on substance abuse and problematic gambling. You will examine the link between mental health issues and addictions. You will also apply intervention skills for dealing with individuals exhibiting problematic behaviors.

SPSY 141 Family Violence Strategies

Credit Units: 3.0 Course Hours: 42.0

You will study violence in a family setting. You will apply this knowledge to understanding the perpetrator and the victim when planning interventions in First Nations communities. You will examine the role of community resources available to support families in the community.

SPSY 160 Professional Behaviour and Ethics

Credit Units: 3.0 Course Hours: 45.0

You will learn the concepts of professional behaviour as they apply to the field of court services.

SPSY 184 Youth Criminal Justice

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 385

Equivalent Course(s): SPSY 183

You will be introduced to the Canadian criminal justice system. You will explore the history of juvenile justice and will examine the impact of custodial placement on youth in conflict with the law. You will examine sentencing, correctional placement, parole and conditional release for youth and adult offenders. You will be introduced to the roles of police, judges, prosecutors, and defence lawyers working with youth in conflict with the law.

SPSY 184CE Youth Criminal Justice

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 385

You will be introduced to the Canadian criminal justice system. You will explore the history of juvenile justice and will examine the impact of custodial placement on youth in conflict with the law. You will examine sentencing, correctional placement, parole and conditional release for youth and adult offenders. You will be introduced to the roles of police, judges, prosecutors, and defence lawyers working with youth in conflict with the law.

SPSY 186 Understanding Exceptionalities 1

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): SPSY 281

You will be introduced to the range of exceptionalities that persons with disabilities may experience across the lifespan. You will explore the role of the disability support worker who supports persons with exceptionalities. You will study principles and practices that underlie the care and education of people with exceptionalities, disabilities and disorders.

SPSY 186CE Understanding Exceptionalities 1

Credit Units: 3.0 Course Hours: n/a

You will be introduced to the range of exceptionalities that persons with disabilities may experience across the lifespan. You will explore the role of the disability support worker who supports persons with exceptionalities. You will study principles and practices that underlie the care and education of people with exceptionalities, disabilities and disorders.

SPSY 200 Communication Skills for Children with Autism Spectrum Disorder

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SPSY 102

You will develop strategies to assist children with Autism Spectrum Disorder (ASD) in developing communication and social skills. You will study the relationship between communication challenges and behaviour. Your studies will include the examination of evidence-based Interventions for improving communication skills of children with ASD.

SPSY 201 Manage Challenging Behaviors for Children with Autism Spectrum Disorder

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SPSY 102

You will develop skills to manage challenging behaviors common to children with Autism Spectrum Disorder (ASD). This course looks at designing and managing the environment to support positive behavior and strategies for managing challenging behaviors in early childhood environments. Your studies will also include the study of evidence-based Interventions in managing challenging behavior.

SPSY 202 Family and Community Relationships for Clients with Autism Spectrum Disorder

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SPSY 102

You will develop skills for supporting families of children with Autism Spectrum Disorder (ASD). This course will also explore the utilization of community resources to support children and their families with a focus on early intervention and evidence based strategies.

SPSY 203 Programming for Children with Autism Spectrum Disorder in Early Childhood Settings

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SPSY 102

You will examine theories and strategies for managing sensory processing challenges as part of creating an environment and curriculum that is supportive to children with Autism Spectrum Disorder (ASD). You will study evidence based interventions to support Language, Literacy, Social Skills, and Behaviour Concerns. Your studies will include practical strategies for inclusion of children with Autism Spectrum Disorder in a group setting.

SPSY 279 Children with Diverse Abilities 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 181 or PRAC 105

Equivalent Course(s): SPSY 281

The course provides an introduction to the study of children with diverse abilities and needs. You will examine practices related to identification, intervention and prevention of specific diverse abilities. You will also discuss historical and current approaches, trends, and issues.

SPSY 279CE Children with Diverse Abilities 1

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 181 or PRAC 105

The course provides an introduction to the study of children with diverse abilities and needs. You will examine practices related to identification, intervention and prevention of specific diverse abilities. You will also discuss historical and current approaches, trends, and issues.

SPSY 280 Introductory Psychology

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): PSYC 160, PSYC 184

The course provides an introduction to the field of psychology. You will develop an increased awareness of human behaviour. The course content includes a general introduction to psychology, learning, cognition, personality, motivation and personality disorders.

SPSY 281 Studies of Exceptionality A

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): ECD 223

You will be provided with an introduction to the area of exceptionalities. You will discuss issues and trends in the field and problems associated with defining and identifying individuals with exceptionalities. You will study, in depth, specific areas of exceptionality: speech and language differences, learning disabilities, intellectual disabilities and giftedness. Emphasis will be on the developmental consequences of having a disability and intervention strategies used with individuals with disabilities.

SPSY 281CE Studies of Exceptionality A

Credit Units: 3.0 Course Hours: n/a

You will be provided with an introduction to the area of exceptionalities. You will discuss issues and trends in the field and problems associated with defining and identifying individuals with exceptionalities. You will study, in depth, specific areas of exceptionality: speech and language differences, learning disabilities, intellectual disabilities and giftedness. Emphasis will be on the developmental consequences of having a disability and intervention strategies used with individuals with disabilities.

SPSY 282 Studies of Exceptionality B

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SPSY 281

Equivalent Course(s): ECD 224

You will study in-depth specific areas of exceptionality: emotional and behavioural disorders, sensory impairments, traumatic brain injury and other low-incidence disabilities, attention deficit/hyperactivity disorder, autism, and fetal alcohol spectrum disorder. Emphasis will be on the developmental consequences of having a disability and intervention strategies used with individuals with disabilities. You will review classroom organization and management with students with special learning needs, issues related to special education in secondary schools, and working with families of students with exceptionalities.

SPSY 282CE Studies of Exceptionality B

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): SPSY 281

You will study in-depth specific areas of exceptionality: emotional and behavioural disorders, sensory impairments, traumatic brain injury and other low-incidence disabilities, attention deficit/hyperactivity disorder, autism, and fetal alcohol spectrum disorder. Emphasis will be on the developmental consequences of having a disability and intervention strategies used with individuals with disabilities. You will review classroom organization and management with students with special learning needs, issues related to special education in secondary schools, and working with families of students with exceptionalities.

SPSY 289 Children with Diverse Abilities 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SPSY 279

Equivalent Course(s): SPSY 282

The course continues the study of children with diverse abilities by addressing developmentally appropriate programming for young children with diverse abilities. You will study assessment, individualized planning and program planning in inclusive settings.

SPSY 289CE Children with Diverse Abilities 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): SPSY 279

The course continues the study of children with diverse abilities by addressing developmentally appropriate programming for young children with diverse abilities. You will study assessment, individualized planning and program planning in inclusive settings.

SPSY 290 Abnormal Psychology

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 385

You will be introduced to the psychological and social disorders seen in youth at risk. You will learn how these disorders are manifested, screened, assessed, and treated.

SPSY 290CE Abnormal Psychology

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 385

You will be introduced to the psychological and social disorders seen in youth at risk. You will learn how these disorders are manifested, screened, assessed, and treated.

SPSY 291 Understanding Exceptionalities 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SPSY 186

Equivalent Course(s): SPSY 282

You will study health disorders, challenges with concurrent health conditions and the role of the disability support worker. You will focus on the developmental consequences of having a disability and intervention strategies.

SPSY 291CE Understanding Exceptionalities 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): SPSY 186

You will study health disorders, challenges with concurrent health conditions and the role of the disability support worker. You will focus on the developmental consequences of having a disability and intervention strategies.

SRVY 102 Surveying 1

Credit Units: 5.0 Course Hours: 75.0

Equivalent Course(s): SRVY 120

You will be introduced to basic surveying concepts. You will develop skills in leveling, angle and direction measurement, computations, traverses and drafting plans.

SRVY 103 Surveying 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MATH 138, SRVY 102

Equivalent Course(s): SRVY 222

You will focus on topographic surveys using Total Stations with data collection. You will study survey drawings and maps, contours, profiles and cross sections. You will practice calculating construction volumes and calculating horizontal as well as vertical curves. You will be introduced to survey control using local grids, Universal Transverse Mercator (UTM) and the Western Canada Land Survey System.

SRVY 104 Survey Data Interpretation

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to construction layout surveying. You will use 2D and 3D coordinate systems and relate survey data to engineering design. You will perform surveying activities using total station, Global Positioning System (GPS), and 3D scanning to create associated models.

SRVY 105 Introduction to Surveying 1

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): SRVY 106

You will study the basics of surveying. Your studies will focus on ground based techniques. The course topics include differential levelling, physical and electronic distance measurements, horizontal and vertical angle measurement and traversing. You will use electronics survey instrumentation and 2D coordinate systems in surveying. You will solve coordinate geometry (COGO) survey problems.

SRVY 106 Introduction to Surveying 1 Lab

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): SRVY 105

You will apply the basics of surveying. Your applications will focus on ground based techniques. The course topics include differential levelling, physical and electronic distance measurements, horizontal and vertical angle measurement and traversing. You will use electronics survey instrumentation and the use of 2D coordinate systems in surveying.

SRVY 107 Surveying 1

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): SRVY 102, SRVY 120

You will study the fundamentals of surveying. You will study horizontal, vertical, and angular measurements and make the required corrections and calculations using industry standard tools and techniques. You will develop proper chaining technique, calibrate your pace, and conduct a differential leveling survey to establish elevation control. You will use a combination of angular and horizontal measurements to establish horizontal survey control in the form of a traverse survey. You will explore the Global Navigation Satellite Systems (GNSS) and use receivers to conduct a static survey.

SRVY 108 Surveying 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SRVY 107

Equivalent Course(s): SRVY 222

You will study contour maps and survey plans. You will use profile and cross-sections views to calculate the required construction quantities. You will utilize various surveying techniques used in construction projects and determine land location using various types of coordinate systems such as the Dominion Land Survey System, geodetic coordinates, and the Universal Transverse Mercator projection. You will examine the Global Navigation Satellite System (GNSS) and explore the requirements for a Real Time Kinematic (RTK) survey. You will collect topographic data using a Total Station and GNSS receivers.

SRVY 109 Survey Camp

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): CADD 125, SRVY 108

Equivalent Course(s): CAMP 225

You will perform surveying activities to complete projects in the field. You will collect survey data in the field to produce a topographic map of the area using industry standard software. You will design a section of road with a horizontal and vertical component. You will layout a roadway in the field. You will gather elevation data using levels from the field for use in calculations of fill. You will create field notes meeting industry standard.

SRVY 120 Surveying 1

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): SRVY 102

You will receive an introduction to the basics of surveying. The course content includes horizontal measurements, levelling, angle and direction measurement, computations, traverses and drafting plans.

SRVY 123 Surveying 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): MAT 110, SRVY 120

You will focus on topographic surveys using Total Stations with data collection. You will be introduced to survey drawings and maps, contours, profiles and cross sections. You will complete calculations for construction surveys. You will be introduced to survey control using local grids, Universal Transverse Mercater (UTM) coordinate system and the Dominion Land Survey System.

SRVY 201 Introduction to Surveying 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SRVY 105, SRVY 106

You will study route location surveys, basic curve use in surveying, digital terrain modeling and topographic surveys. The course adds to your previous knowledge by exploring advanced topics in coordinate geometry (COGO) and digital data collection. You will also study safe work practices and gain practical experience working with survey instrumentation. Your studies and practical experience will prepare you for participation in small surveying projects.

SRVY 202 Least Squares 1 and Survey Instrumentation

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MAT 112, SRVY 201

You will be introduced to fundamental least squares topics with geomatics applications. You will discuss the topics of errors and weighting in least squares. You will solve basic least squares survey problems. Your studies will explore how survey instrumentation works and the basic process of instrument adjustment and calibration.

SRVY 203 Least Squares 2 and Control Surveys

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SRVY 202

You will study advanced least squares topics with geomatics applications. You will be introduced to the concept of control surveys. Your studies will explore least square use in traverse and control surveys. You will perform control surveys, adjust and analyze the results.

SRVY 204 Advanced Surveying Applications

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SRVY 202

You will study and gain practical experience in a range of surveying applications. The course covers azimuth determination, high precision levelling, introductory monitor surveys, advanced topics in digital data collection, automated survey instrumentation, introductory underground surveys and engineering/construction surveys.

SRVY 205 Surveying Field and Office Projects

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SRVY 204

You will learn the fundamental steps involved in successfully completing a geomatics project of your choice. You will draw on your previous technical and practical experience to complete the project within an established framework. You will analyze, present and discuss your project results.

SRVY 206 Underground Surveying

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CAMP 105, SRVY 123

You will apply the concept of coordinate systems in an underground mine. You will learn the fundamentals of underground surveying skills with the use of survey equipment.

SRVY 222 Surveying

Credit Units: 4.0 Course Hours: 65.0

Prerequisite(s): MAT 101, SRVY 120

Equivalent Course(s): SRVY 103

Building on the skills developed in SRVY 120 (Surveying 1), you will focus on topographic surveys using Total Stations with data collection. You will be introduced to survey drawings and maps, contours, profiles and cross sections, calculating construction volumes, and calculating horizontal and vertical curves. You will also be introduced to survey control using local grids, UTM and the Western Canada Land Survey System.

SRVY 228 Surveying: Introduction to Survey and Building Layout

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): SRVY 120

You will receive an introduction to the basics of surveying. The course content includes horizontal measurements, levelling, angle and direction measurement, computations.

STAT 100 Introductory Statistics

Credit Units: 3.0 Course Hours: 45.0

You will learn statistical methods of analysis and inference including descriptive measures, frequency distributions, probability, confidence intervals, hypothesis testing for population means and proportions, analysis of variance, as well as correlation and regression techniques.

STAT 101 Introductory Statistics and Computer Applications

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to basic statistical methods and the use of computers to solve statistical and related problems. You will learn about statistical topics related to central limit theorem and associated distribution functions, confidence intervals, regression and correlation analysis. You will learn the use of calculators, and spreadsheets to calculate statistical values.

STAT 102 Stats for Resource Managers

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the principles of data collection and analysis. You will study the role of bias and objective interpretation in the application of statistics. You will be introduced to study design and statistical software in resource management.

STAT 120 Business Statistics

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): ACP 374

You will gain knowledge of statistical concepts and techniques applicable to accounting and management. You will study descriptive statistics, measures of central tendency and dispersion, probability distributions, the Central Limit Theorem, and linear regression. This course is intended to build problem solving and critical thinking skills, and to demonstrate the importance of statistics in professional practices.

STAT 120CE Business Statistics

Credit Units: 4.0 Course Hours: n/a

You will gain knowledge of statistical concepts and techniques applicable to accounting and management. You will study descriptive statistics, measures of central tendency and dispersion, probability distributions, the Central Limit Theorem, and linear regression. This course is intended to build problem solving and critical thinking skills, and to demonstrate the importance of statistics in professional practices.

STAT 122 Introductory Statistics

Credit Units: 1.0 Course Hours: 15.0

You will be introduced to statistics for the purpose of summarizing and communicating scientific information. Your studies will include distributions of data summarized by central tendencies and patterns of dispersion. Data sets will be examined and students will prepare point estimates, confidence intervals and graphical representations of data (e.g. histograms).

STAT 181 Introductory Statistics and Computer Applications 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MATH 178*

You will be introduced to elementary probability theory. You will study frequency distributions, measures of central tendency, and variability. You will study sampling theory and statistical applications in bioscience. You will use spreadsheets to assist in learning the statistical concepts.

STAT 185 Introductory Statistics and Computer Applications

Credit Units: 5.0 Course Hours: 72.0

You will be introduced to basic statistical methods and the use of computers to solve statistical and related problems. You will learn statistical topics including elementary probability, random variables and their distributions, frequency distributions, measures of location and variability, sampling theory and an introduction to statistical applications. You will learn the use of calculators, computer basics and spreadsheets.

STAT 200 Statistics for Technology

Credit Units: 2.0 Course Hours: 30.0

You will gain knowledge of statistical concepts and techniques applicable to technologies. You will study descriptive statistics, measures of central tendency and dispersion, basic probability, the Central Limit Theorem, and linear regression. This course is intended to build problem solving and critical thinking skills, and to demonstrate the importance of statistics in professional practices.

STAT 201 Statistics for Engineering Technology

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): MAT 233, STAT 120, STAT 200, STAT 220

You will gain knowledge of statistical concepts and techniques applicable to engineering technology. You will study descriptive statistics, probability distributions, the Central Limit Theorem, inferential statistics and linear regression. This course is intended to build problem solving and critical thinking skills, and to demonstrate the importance of statistics in professional practices.

STAT 201CE Statistics for Engineering Technology

Credit Units: 3.0 Course Hours: n/a

You will gain knowledge of statistical concepts and techniques applicable to engineering technology. You will study descriptive statistics, probability distributions, the Central Limit Theorem, inferential statistics and linear regression. This course is intended to build problem solving and critical thinking skills, and to demonstrate the importance of statistics in professional practices.

STAT 202 Introductory Statistics

Credit Units: 3.0 Course Hours: 49.0

You will learn statistical methods of analysis and inference including descriptive measures, frequency distributions, probability, confidence intervals, hypothesis testing for population means and proportions, analysis of variance, as well as correlation and regression techniques.

STAT 260 Statistics for Health Sciences

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): STAT 190

You will learn statistical methods of analysis and inference including descriptive measures, frequency distributions, probability, confidence intervals, hypothesis testing, analysis of variance, and correlation and regression techniques. The emphasis in this course is on statistical applications, with problems chosen from the health sciences field.

STAT 260CE Statistics for Health Sciences

Credit Units: 4.0 Course Hours: n/a

You will learn statistical methods of analysis and inference including descriptive measures, frequency distributions, probability, confidence intervals, hypothesis testing, analysis of variance, and correlation and regression techniques. The emphasis in this course is on statistical applications, with problems chosen from the health sciences field.

STAT 281 Statistics and Computer Applications

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): STAT 101

You will be introduced to hypothesis testing, analysis of variance, experimental design, non-parametric tests, and the application of spreadsheets to statistical analysis.

STAT 284 Applied Statistics and Computer Applications

Credit Units: 4.0 Course Hours: 64.0

Prerequisite(s): MATH 278, STAT 283

You will study advanced statistical topics including analysis of variance, experimental design, non-parametric tests, advanced regression, and bioinformatics, and you will use standard statistical programs and spreadsheets to assist with the statistical applications

STAT 285 Introductory Statistics

Credit Units: 2.0 Course Hours: 32.0

Prerequisite(s): COMP 172

You will be introduced to basic statistical methods and the use of calculators and computers in solving statistical problems. Statistical applications relevant to the Veterinary Technology Program will be emphasized.

STAT 286 Statistics and Computer Applications 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): STAT 181

You will apply statistical concepts including confidence intervals, hypothesis testing, regression and correlation analysis, and categorical data analysis. You will study analysis of variance and non-parametric tests. You will use statistical programs and spreadsheets in the study of statistical applications.

STAT 300 Statistics and Risk Analysis

Credit Units: 3.0 Course Hours: 45.0

Your studies will focus on descriptive statistics and presentation techniques; probability theory and inferential statistics including applications based on simple random sampling, confidence intervals, hypotheses testing and regression-correlation analysis. You will also examine statistical methods related to risk management in the construction industry.

STAT 403 Statistics and Statistical Software for Resource Managers

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): STAT 122

Building predictive models from empirical data lies at the heart of resource management procedures. You will apply statistics to compare samples and make management decisions based on comprehensive data analysis. You will use statistical software to predict outcomes and compare samples. You will prepare data analyses to help you make resource management decisions.

STAT 600 Business Statistics

Credit Units: 3.0 Course Hours: 45.0

You will gain knowledge of statistical concepts and techniques applicable to accounting and management. You will study descriptive statistics, measures of central tendency and dispersion, probability distributions, the Central Limit Theorem, and linear regression. This course is intended to build problem solving and critical thinking skills, and to demonstrate the importance of statistics in professional practices.

STEA 100 Hydronic Heating Systems

Credit Units: 7.0 Course Hours: 100.0

Prerequisite(s): DRAW 101, PLMB 100, RIGG 183, TOOL 108

The course covers the various boilers and the components of a hot water heating system. You will briefly discuss hydronic cooling. You will study a typical boiler installation with associated piping. You will be introduced to the hydronics code and how it applies to a residential or small commercial heating system. You will cover the practice of installing various boilers and the components of a hot water heating system. You will briefly discuss hydronic cooling. You will demonstrate a typical boiler installation with associated piping. You will put into practice the hydronics code and apply it to a residential or small commercial heating system.

STEA 101 Introduction to Steam Boilers

Credit Units: 2.0 Course Hours: 35.0

Your studies will include various low pressure steam systems. You will cover terms and definitions and the basic operation of LPS heating systems. You will discuss an overview of equipment use and low pressure steam accessories. Piping arrangements for LPS will also be discussed.

STEA 286 Steam Generation (3rd Class)

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENGP 190, ENGP 191

Your studies will focus on larger steam generators found in industrial plants. You will study specialized boiler types, construction, auxiliaries, operating procedures, firing equipment, and control systems used for steam generation. You will study various welding procedures, inspection methods and pressure vessels.

STEA 287 Steam Generation (Second Class)

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): STEA 286

You will learn the design factors of various steam generators and their components. You will study the specialized designs of boilers and their operations and the maintenance and inspection techniques required to operate them safely. You will learn to install and operate large centrifugal pumps in large power plants.

STER 102 Steering Systems Theory

Credit Units: 2.0 Course Hours: 30.0

You will focus on basic steering geometry and wheel alignment angles, wheels and tires and tire balancing.

STER 103 Steering Systems Shop

Credit Units: 2.0 Course Hours: 30.0

You will service steering system components and perform a wheel alignment. You will also remove and replace a wheel assembly. Also covered will be hub removal and installation using industry approved procedures. Tire removal, replacement and balancing will also be covered.

STER 104 Steering and Directional Control Systems Theory

Credit Units: 1.0 Course Hours: 15.0

You will study steering systems that are specific to off road equipment. Orbital and pilot control will be discussed. You will also discuss various types of auxiliary steering systems used on heavy trucks.

STER 105 Steering and Directional Control Systems Shop

Credit Units: 1.0 Course Hours: 15.0

You will perform inspections and repairs on various types of off road steering systems. You will also evaluate various types of auxiliary steering systems such as tandem and trailing axle steering. Pilot control and orbital steering systems will be analyzed.

STER 106 Steering and Suspension 1

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to the operation, diagnosis and repair of suspension and steering systems.

STER 107 Steering and Suspension 2

Credit Units: 4.0 Course Hours: 60.0

You will learn the operation, diagnosis and repair of steering gears and columns. Your studies will help you acquire knowledge and skills in wheel alignment principles and procedures.

STRS 120 Wood Stairs

Credit Units: 4.0 Course Hours: 60.0

You will learn how to calculate and construct basic wood stairs. You will also learn how to calculate the dimensions for basic stairwell opening in residential construction.

STRU 100 Erect and Dismantle Steel Building

Credit Units: 4.0 Course Hours: 66.0

You will learn the process of erecting a steel building, as well as the process of dismantling and safe placing of building components. At the completion of the course, you will be eligible to receive a certificate in the use of powder actuated tools.

STRU 101 Structural Steel

Credit Units: 2.0 Course Hours: 24.0

You will be able to apply safety regulations in the erection of a steel structure. At the completion of the course, you will be eligible to receive Fall Protection Certification in accordance with Occupational Health and Safety standards.

STRU 104 Structural Drafting

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DRFT 205

You will study structural steel design and drafting. You will produce 2D drawings and 3D parametric models. You will construct shop drawings and reinforced concrete drawings. You will create drawings with reference to best practices and technical standards. You will use software such as Autodesk Revit to an intermediate skill level.

STRU 200 Structural Design 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ENG 201

You will apply Canadian codes and standards to the design of basic steel structures. You will learn how to calculate loads using limit states design principles. You will also learn how to design steel beams and columns, detail basic steel connections.

STRU 201 Structural Design 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ENG 201

You will apply Canadian codes and standards to the design of timber and concrete members. You will learn how to calculate loads using limit states design principles. You will also learn how to detail timber connections, and detail concrete beams and footings.

STRU 202 Structural Drafting Project

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): STRU 104, STRU 200, STRU 201

Corequisite(s): BIM 300

You will complete an industrial building structural steel drafting project. You will create 3D models to prepare 2D drawings. You will create structural steel and reinforced concrete design and drawings. You will create drawings with reference to best practices and technical standards. You will use software such as Autodesk Revit to an intermediate skill level.

STRU 225 Structural Steel Design

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): STRU 236, STRU 237

You will design and analyze basic structural steel members using the Limit States Design Method in accordance with the National Building Code of Canada and the Canadian Standards Association.

STRU 231 Mechanics of Materials

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): STRU 236

You will study the buckling potential of structural columns in this advanced mechanics of materials course. You will use Mohr's circle to evaluate stresses in beams and evaluate combined loading. You will calculate statically indeterminate beams.

STRU 235 Applied Mechanics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): MAT 111

You will study the effects of forces and moments applied to various objects in static equilibrium stationary objects. You will use the engineering problem solving approach.

STRU 236 Mechanics of Materials

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): STRU 235*

You will study stress and strain relationships in this introductory mechanics of materials course. You will review centroids and moments of inertia. You will study structural shapes and calculate shear and bending moment in beams allowing you to draw shear force. You will study bending moment diagrams and calculate shear stress, flexural stress and deflection at any point on a loaded beam.

STRU 237 Structures

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): STRU 235*

You will study the various types of structures. You will learn how to read structural drawings and interpret specifications. You will learn how to determine design loads using the Limit States Design Method in accordance with the National Building Code of Canada. You will use the design loads to calculate the loads on the various structural components.

STRU 240 Building Construction: Structural Design

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PHYS 227

You will learn how to do a preliminary design of timber and steel structures as used in commercial buildings, considering internal and external loads. Your studies will also include an introduction to concrete design.

STRU 241 Wood and Concrete Design

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): STRU 237

You will study the design and analysis of timber components and structural reinforced concrete components using the Limit States Design Method in accordance with the National Building Code of Canada. You will become familiar with standard industry practices. You will be introduced to computer applications where appropriate.

STUC 100 Stucco Application

Credit Units: 4.0 Course Hours: 58.0

The course focuses on stucco application. You will learn the theory of application and acquire hands-on experience. You will also be provided with foundation parging information and experience.

STUC 101 Stucco Preparation

Credit Units: 3.0 Course Hours: 45.0

The course focuses on preparing the surface for stucco application.

SUPP 135 Introduction to Mining Safety

Credit Units: 4.0 Course Hours: 54.0

Prerequisite(s): SUPP 155

You will become familiar with the range of personal protection/fall arrest/respiratory and fire equipment, safe working practices, WHMIS and OH&S regulations.

SUPP 152 Heavy Equipment Operator

Credit Units: 1.0 Course Hours: 16.0

Your studies will include the minimum training requirements of Saskatchewan Occupational Health and Safety's Power Mobile Equipment Table 14.1 for Operators.

SUPP 155 Introduction to Mining Industry

Credit Units: 3.0 Course Hours: 40.0

You will gain an understanding of the types of mineral and metal resources in Saskatchewan, the exploration, development, operations and de-commissioning cycle, and types of surface and underground mining operations.

SUPR 115 Supervisory Skills

Credit Units: 2.0 Course Hours: 30.0

You will examine the fundamentals of supervision. It will cover the role of a supervisor, managing change, communication, working with groups and other supervisory skills.

SUPR 115CE Supervisory Skills

Credit Units: 2.0 Course Hours: n/a

You will examine the fundamentals of supervision. It will cover the role of a supervisor, managing change, communication, working with groups and other supervisory skills.

SYST 147 Automated Accounting

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BKPG 140

You will learn the procedures and develop the skills to use the following Sage 50 Accounting modules: the company, receivable, payable, payroll, inventory, and banking. You will develop practical and relevant automated accounting skills used in business and industry.

SYST 401 Remote Sensing 1

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): SYST 340

You will be introduced to satellite imagery. Your studies will include remote interpretation techniques for natural resource management applications.

SYST 402 Remote Sensing 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): SYST 401*

You will learn important image processing and analysis techniques for remotely sensed data. The techniques include geocorrection, enhancements, filtering, vegetation indices, classification and mosaicking. Your studies will include analyzing lidar imagery.

Course Descriptions T

TAX 100 Plant Taxonomy and Identification

Credit Units: 4.0 Course Hours: 60.0

You will learn how to identify specific terrestrial and aquatic vegetation by field characteristics and site characteristics.

TAX 200 Tax Fundamentals

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): FIN 235

You will learn the fundamentals of personal taxation that include calculating income, deductions, taxable income, and tax payable. The culmination of these steps is the actual preparation of personal tax returns.

TAX 201 Taxation 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 125

Your studies will include an introduction to the Income Tax Act including the structure of fiscal legislation, administration, and enforcement practices as they pertain to personal income tax. The course includes the calculation of taxable income, calculation of tax, and the completion of personal income tax returns.

TAX 202 Taxation 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): TAX 201

Your studies will include an introduction to capital cost allowance, net business income, and net property income. Goods and services tax (GST) and harmonized sales tax (HST) obligations for businesses are also introduced.

TAX 221 Tax 1

Credit Units: 6.0 Course Hours: 96.0

Prerequisite(s): ACCT 125

Your studies will include an introduction to the Income Tax Act including the structure of fiscal legislation, administration, and enforcement practices as they pertain to personal income tax. The course includes the calculation of taxable income, calculation of tax, and the completion of personal income tax returns.

TAX 221CE Tax 1

Credit Units: 6.0 Course Hours: n/a

Prerequisite(s): ACCT 125

Your studies will include an introduction to the Income Tax Act including the structure of fiscal legislation, administration, and enforcement practices as they pertain to personal income tax. The course includes the calculation of taxable income, calculation of tax, and the completion of personal income tax returns.

TAX 222 Taxation 3

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): TAX 202

Your studies will expand on the material covered in Taxation 1 and Taxation 2, and you will learn the skills required to solve more complex problems for individual taxpayers. You will study the calculation of taxable income, calculation of corporate tax and the completion of corporate income tax returns.

TAX 222CE Tax 2

Credit Units: 5.0 Course Hours: n/a

Prerequisite(s): TAX 202

Your studies will expand on the material covered in Taxation 1 and Taxation 2, and you will learn the skills required to solve more complex problems for individual taxpayers. You will study the calculation of taxable income, calculation of corporate tax and the completion of corporate income tax returns.

TAX 600 Taxation 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ACCT 601

Your studies will include an introduction to the Income Tax Act including the structure of fiscal legislation, administration, and enforcement practices as they pertain to personal income tax. The course includes the calculation of taxable income, calculation of tax, and the completion of personal income tax returns.

TAX 601 Taxation 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): TAX 600

Your studies will expand on the material covered in Taxation 1 (TAX 600) and you will learn the skills required to solve more complex problems for individual taxpayers. You will study the calculation of taxable income, calculation of corporate tax and the completion of corporate income tax returns.

TAX 602 Income Tax for Financial Professionals

Credit Units: 3.0 Course Hours: 45.0

You will learn important income tax considerations when recommending financial or investment strategies to clients. You will focus on the implications of client advising in the areas of investing, retirement, and estate planning. You will explore tax-deferred strategies using registered plans, and the tax implications of registered and nonregistered investments.

TAXO 100 Plant Taxonomy and Identification

Credit Units: 4.0 Course Hours: 60.0

You will learn how to identify specific terrestrial and aquatic vegetation by field and site characteristics. The identification will consist of the binomial classification based upon phylogenetic and morphological characteristics. The course includes classifying rare and invasive species and understanding the significance of these species in Saskatchewan. You will be introduced to the Canadian Wetland Classification system as it pertains to identification of wetland vegetation. You will learn the significance of herbaria and conservation data centres and how to access their resources for the purpose of plant identification and species ranking.

TAXO 101 Edible Plants of the Boreal Forest

Credit Units: 2.0 Course Hours: 30.0

You will learn how to identify, harvest and prepare common, wild plants of the boreal forest. You will learn how to preserve and prepare plants for food and beneficial purposes.

TCOM 102 Workplace Communication

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): COM 160, COMM 191, JOBS 190, JOBS 288, JOBS 290, TCOM 120, TCOM 140, TMGT 180

You will examine the employability skills required in the workplace. You will discuss the communication process, and practice effective interpersonal communication techniques and conflict resolution. You will use workplace writing and job search skills.

TCOM 102CE Communication in Technology

Credit Units: 3.0 Course Hours: n/a

You will examine the employability skills required in the workplace. You will discuss the communication process, and practice effective interpersonal communication techniques and conflict resolution. You will use workplace writing and job search skills.

TCOM 103 Technical Communication

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): TCOM 102 or COM 170

Equivalent Course(s): COMM 181, COMM 190, TCOM 106, TCOM 123, TCOM 141, TCOM 190

You will use research skills to find technical information and cite it correctly. You will conduct effective meetings and produce supporting documents. As well, you will discuss technical report purposes and formats, write short technical reports and present technical information.

TCOM 103CE Workplace Communication

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): TCOM 102 or COM 170

You will use research skills to find technical information and cite it correctly. You will conduct effective meetings and produce supporting documents. As well, you will discuss technical report purposes and formats, write short technical reports and present technical information.

TCOM 104 Applied Research in Technology

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): TCOM 103 or ENGL 101

Equivalent Course(s): COMM 115, COMM 182, COMM 290, TCOM 239

You will develop a technical proposal and apply advanced research skills to a technical problem. You will use the technical problem-solving process in an applied research project and present your research findings in a written report and oral presentation.

TCOM 105 Communications for Technicians

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): COMM 127, TCOM 102

You will learn and practice written, oral and interpersonal communication for the workplace. You will apply these skills as team members and in short presentations. You will also develop effective job search strategies.

TCOM 105CE Communications for Technicians

Credit Units: 2.0 Course Hours: n/a

You will learn and practice written, oral and interpersonal communication for the workplace. You will apply these skills as team members and in short presentations. You will also develop effective job search strategies.

TCOM 106 Communications

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): TCOM 105

Equivalent Course(s): TCOM 103

You will apply basic research skills to create workplace documents. Your studies will focus on the workplace skills of creating effective client relations, conducting meetings and giving presentations.

TCOM 107 Call Processing 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PLPR 100*

You will be introduced to the various components and functions of telephone technology and Computer Aided Dispatch (CAD) systems . You will practice call taking and dispatch of multiple incidents in a simulated laboratory setting.

TCOM 108 Call Processing 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): TCOM 107*

Building on the skills learned in Call Processing 1 you will continue to develop skills in call taking and dispatch in a simulated laboratory setting. This course will provide opportunities to apply these skills in situations specific to various emergency services.

TCOM 110 Workplace Communications

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): TCOM 102

You will examine the employability skills required in the workplace. You will discuss the communication process, and practice effective interpersonal communication techniques. You will use workplace writing and job search skills.

TCOM 111 Technical Communication

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): TCOM 103

You will develop technical research, writing, and presentation skills. This course will establish understanding and appropriate application of scientific and technical writing standards (e.g.: IEEE Citation Reference, IEEE Editorial Style Manual). You will examine and produce a variety of technical documents.

TCOM 140 Basic Communication for Technicians

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): TCOM 102, TCOM 120

You will be introduced to communication theory and learn how to apply communication skills in the workplace. You will gain an understanding of the role of communication in your profession. You will develop effective writing skills, including preparation of meeting documents.

TCOM 141 Applied Communication for Technicians

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): COMM 127, EMPL 180, TCOM 103, TCOM 120

You will continue to develop your technical writing skills. Your studies will focus on the interpersonal skills you will need when communicating with colleagues and customers. The course content includes oral presentations, meetings, and customer service. You will also prepare for a job search.

TCOM 190 Technical Communications

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): TCOM 102

Equivalent Course(s): BCOM 121, TCOM 103

You will be introduced to the basic principles of effective technical writing in the computer industry. The necessity of following company standards for documentation will be emphasized. You will review grammar and style, and learn technical formats and report design. The production of technical documentation for a variety of user groups will also be emphasized.

TCOM 291 Career Path Search

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): JOBS 288, TCOM 295

You will prepare a career path portfolio based on your accumulated skills, qualifications and accomplishments. You will prepare your resume and cover letter to target an IT job posting. In a simulated job interview, you will answer behavioural questions and demonstrate the use of a career path portfolio.

TCOM 600 Business Technology Communications

Credit Units: 3.0 Course Hours: 45.0

You will learn how to manage communication in a business environment using best practices and common software tools. You will learn how to produce effective content delivered with appropriate tools.

TCOM 601 Technical Communications

Credit Units: 3.0 Course Hours: 45.0

You will conduct effective meetings and produce supporting documents including emails. You will discuss technical report purposes and formats, write short technical reports and present technical information. You will also practice job search skills.

TELE 113 Optical Fiber Basics

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to telecommunication transport technologies. You will practice your fiber cable measuring, splicing and installation skills. Your studies will help prepare you to be recognized by the Fiber-Optics-Association (FOA).

TELE 113CE Optical Fiber Basics

Credit Units: 3.0 Course Hours: n/a

You will be introduced to telecommunication transport technologies. You will practice your fiber cable measuring, splicing and installation skills. Your studies will help prepare you to be recognized by the Fiber-Optics-Association (FOA).

TELE 114 Wireless Systems

Credit Units: 2.0 Course Hours: 30.0

Your studies will focus on cellular systems, wireless-data techniques and the wireless evolution. You will practice your skills by setting-up a transmit-receive link.

TELE 115 Networking Essentials 1

Credit Units: 3.0 Course Hours: 45.0

Your studies will include a variety of topics to build your skills and understanding of networking. You will learn about networking devices and the IOS operating system. You will also learn how networks are set up, how devices are configured, how communication takes place on a network, and the basics of implementing network security best practices. You will enhance your confidence in communicating your knowledge and your ability to work in networking-related profesions. Note: Upon completion of post course learning activities, you will be eligible to receive a Cisco Certificate of Completion.

TELE 116 Networking Essentials 2

Credit Units: 3.0 Course Hours: 45.0

You will learn the essential skills to configure Cisco devices as well as test and troubleshoot networks. Your studies will also focus on routing within the "cloud" and voice-over-internet-protocol (VOIP). You will practice some fundamental IP-Routing commands and VOIP skills in a lab environment. The course builds on knowledge and skills you developed in Networking Essentials 1. Note: Upon completion of post course learning activities, you will be eligible to receive a Cisco Certificate of Completion.

TELE 117 Legacy Telephony

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ELTR 149

You will describe the telephone handset and its cabling. You will study signal characteristics and suB.Sc.riber loops. Your studies will focus on cable characteristics while transmitting voice and line frequencies as well as cable types used as a transmission medium, frequency response & noise tests. You will practice your troubleshooting skills in a lab setting repairing faulty telephone circuits.

TERR 100 Engineering Geology

Credit Units: 5.0 Course Hours: 75.0

Equivalent Course(s): TERR 121

You will be provided with an introduction to physical geology and geomorphology. You will study the origins and classification of rocks and minerals, the geomorphological processes of erosion, water, and wind, and the landforms created by these processes. There will be an emphasis on Saskatchewan's glaciated terrain. Labs will provide you opportunities to display spatial data and create map layouts using current GIS software, as well as an overview on map reading.

TERR 101 Engineering Geology

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): TERR 102

Equivalent Course(s): TERR 121

You will study physical geology including the origin, composition and characteristics of the major minerals and rock classifications. You will study geologic processes, landforms and geologic structures created by these processes referencing Saskatchewan's glaciated terrain.

TERR 102 Engineering Geology Laboratory

Credit Units: 2.0 Course Hours: 30.0

Corequisite(s): TERR 101

Equivalent Course(s): TERR 121

This course will introduce fundamental mapping concepts and map reference systems. You will be introduced to how to read and extract information from topographic maps. You will study aerial photo interpretation as a tool to help identify natural surface features. You will study the characteristics of features formed by the advance and retreat of massive ice sheets during the last glacial period.

TERR 103 Terrain Evaluation

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to physical geology beginning with the study of the origin, composition and characteristics of the major minerals and rock classifications. You will also study geologic processes and the landforms and geologic structures created by these processes. This class will provide you with an opportunity to study map reading and air photo interpretation.

TERR 121 Engineering Geology

Credit Units: 5.0 Course Hours: 80.0

Equivalent Course(s): TERR 100

You will be provided with an introduction to physical geology and geomorphology. You will study the origins and classification of rocks and minerals, the geomorphological processes of erosion, water, and wind, and the landforms created by these processes. There will be an emphasis on Saskatchewan's glaciated terrain. Labs will provide you opportunities to display spatial data and create map layouts using current GIS software, as well as an overview on map reading.

THER 100 Heat Treatment Processes

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): MATE 100*

You will study and perform various heat treatment processes and hardness-testing procedures.

THER 101 Thermo-Fluid Fundamentals

Credit Units: 2.0 Course Hours: 30.0

You will study typical primary thermal-fluid systems and their associated mechanical components. You will study media properties, pressure, energy, efficiency and performance. You will assess the implication of energy transfer or specific systems configuration and design as seen through developed pressure, volume, force or temperature changes. You will examine devices such as motors, engines and measuring devices.

THER 180 Basic Thermodynamics

Credit Units: 5.0 Course Hours: 77.0

Prerequisite(s): FMEC 288, MATH 182

You will study the fundamental properties and energies associated with matter; primarily liquids, gases and vapours. The principles of mass and energy conservation will be used to define and examine the relationships between heat, work and other forms of energy. You will develop analytical competency in simplified thermodynamics processes and devices such as the piston-cylinder, heat engines, nozzles, turbines, compressors, etc. You will apply the concept of efficiency and its consequences explored. The impact of thermodynamic processes (energy transfer) on physical systems will also be assessed through an examination of resulting changes in pressure, temperature, volume, force and/or stress.

THER 181 Applied Thermodynamics

Credit Units: 5.0 Course Hours: 77.0

Prerequisite(s): THER 180, MATH 182, CALC 181

You will apply thermodynamic theories of cycles/systems. Your studies will include examining power producing cycles (engines), refrigeration systems and industrial compressors. You will develop analytical techniques for unsteady and compressible/sonic flow systems. You will apply the principle modes of heat transfer (conduction, convection and radiation) and you will determine thermal resistances and heat transfer co-efficients.

THER 182 Thermodynamics and Mechanics

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): PHYS 224

You will receive an introduction to the field of thermodynamics. You will learn the quantities, units and principles involved in elementary thermodynamics. You will learn the concepts of basic mechanics.

THER 183 Applied Mechanics 1

Credit Units: 2.0 Course Hours: 32.0

Equivalent Course(s): MECA 121

You will receive an introduction to the field of mechanics. You will learn the quantities, units and principles involved in statics and dynamics.

THER 185 Thermodynamics (4th Class)

Credit Units: 2.0 Course Hours: 30.0

You will solve introductory problems related to the study of matter, thermodynamics, and chemistry. You will study heat and the modes, methods, and effects of heat transfer.

THER 200 Thermo-Fluid Systems 2

Credit Units: 2.0 Course Hours: 30.0

You will study flowing fluids and typical flow thermal-fluid systems. You will analyze piping systems and evaluate their associated components and equipment. You will compare heat engines and refrigeration performance. You will study concepts and devices in hydraulics and pneumatics.

THER 201 Vapour Systems and Heat Transfer

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): FMEC 101

You will investigate steam-based systems for process heating, as well as primary power (electrical) generation. You will examine typical refrigeration cycles, media, and equipment. You will also investigate and apply the principal modes of heat transfer (conduction, convection, and radiation) to determine thermal resistances and related energy losses / gains. You will examine methods to limit or enhance heat transfer, as well as evaluate heat exchanger operation and performance.

THER 202 Energy System Alternatives and Management

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): THER 201

You will explore established as well as emerging energy conversion and storage technologies, along with their implications for industry and society. Significant focus is placed on technologies such as hydropower, wind, solar, and hydrogen fuel cells. The production and relevant combustion / conversion processes for fuels (fossil / hydrocarbon, bio-sourced, hydrogen, nuclear) will be investigated. You will also consider methods of energy storage to manage energy use / production. Throughout, you will identify and utilize design principles, industrial standards, analytical software, and governing agencies related to the environmental and economic impact of energy use choices.

THER 280 Energy Conversion Systems

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CALC 181, THER 181

Equivalent Course(s): THER 284

You will study conventional energy conversion systems. These include steam power plant cycles, gas turbines and refrigeration systems. You will also study the design of the basic components of the plants and some basics of alternative energy systems (such as solar, wind, tidal and geothermal power).

THER 281 Thermodynamics (3rd Class)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): THER 185

You will solve intermediate problems involving thermal equilibrium, thermal expansion, heat transfer and heat power, steam properties and production, boiler formulae, perfect gas properties and work production.

THER 282 Thermodynamics (2nd Class)

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): THER 281

You will expand your understanding of the behaviours of gases and vapours in relation to steam production and use, and power generation. You will solve complex problems involving gases, steam and mixtures, heat and work transfers to and from gases and steam, and practical thermodynamic cycles.

THER 283 Thermodynamics

Credit Units: 4.0 Course Hours: 64.0

You will study the basic laws of thermodynamics as applied to energy conversion devices and the fundamentals of heat transfer. You will apply these principles to mechanical equipment (such as internal combustion engines, compressors, steam plants, refrigeration systems and heat exchangers). Performing experiments in the lab will provide you with hands-on experience. You will gain a working knowledge of the broad subject areas of thermodynamics.

THER 284 Energy Conversion Systems

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): CALC 181, THER 181

Equivalent Course(s): THER 280

You will study energy system engineering and explore how energy is employed to achieve beneficial functions in industry, transportation and in the home. You will evaluate thermal/fluid systems by studying principles of thermodynamics, fluid dynamics and heat transfer. Your studies will focus on design principles, industrial standards and governing agencies as they pertain to conventional and non conventional energy conversion, conservation and storage.

THRC 182 Foundations of Therapeutic Recreation

Credit Units: 4.0 Course Hours: 60.0

You will study the basic concepts necessary for formulating a philosophical and theoretical foundation in therapeutic recreation. You will explore the definitions, terms and concepts used in the field, the philosophy behind the profession, the history and development of the profession and current service delivery models.

THRC 182CE Foundations of Therapeutic Recreation

Credit Units: 4.0 Course Hours: n/a

You will study the basic concepts necessary for formulating a philosophical and theoretical foundation in therapeutic recreation. You will explore the definitions, terms and concepts used in the field, the philosophy behind the profession, the history and development of the profession and current service delivery models.

THRC 183 Physical and Cognitive Disabilities in Therapeutic Recreation Practice

Credit Units: 4.0 Course Hours: 60.0

You will study the etiology, symptoms and characteristics of common physical and cognitive disabilities and their impact on individuals. You will be introduced to the current practices of therapeutic recreation when supporting individuals with physical and cognitive disorders.

THRC 183CE Physical and Cognitive Disabilities in Therapeutic Recreation Practice

Credit Units: 4.0 Course Hours: n/a

You will study the etiology, symptoms and characteristics of common physical and cognitive disabilities and their impact on individuals. You will be introduced to the current practices of therapeutic recreation when supporting individuals with physical and cognitive disorders.

THRC 184 Therapeutic Recreation Process

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): THRC 182

You will study the principles and procedures of the therapeutic recreation process. You will examine the various responsibilities that the therapeutic recreation professional has in providing accountable, client-based service. You will learn client assessment, individual and group program planning. You will examine activity analysis, adaptation, protocols, documentation and evaluation in terms of their importance in developing therapeutic recreation programs.

THRC 184CE Therapeutic Recreation Process

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): THRC 182

You will study the principles and procedures of the therapeutic recreation process. You will examine the various responsibilities that the therapeutic recreation professional has in providing accountable, client-based service. You will learn client assessment, individual and group program planning. You will examine activity analysis, adaptation, protocols, documentation and evaluation in terms of their importance in developing therapeutic recreation programs.

THRC 187 Introduction to Therapeutic Recreation Profession

Credit Units: 3.0 Course Hours: 45.0

You will develop an understanding of the diversity of the field of therapeutic recreation. You will focus on understanding the agency, the needs of the client population and the role of therapeutic recreation in supporting individuals with disability, illness, and/or chronic illness. You will learn the specific skills needed to work in this field.

THRC 187CE Introduction to Therapeutic Recreation Profession

Credit Units: 3.0 Course Hours: n/a

You will develop an understanding of the diversity of the field of therapeutic recreation. You will focus on understanding the agency, the needs of the client population and the role of therapeutic recreation in supporting individuals with disability, illness, and/or chronic illness. You will learn the specific skills needed to work in this field.

THRC 188 Research and Evaluation in Therapeutic Recreation

Credit Units: 3.0 Course Hours: 45.0

You will examine the research process, learn how to develop a research plan, identify the steps in a research implementation plan and describe how to report research. You will explore the needs and issues specific to conducting research related to therapeutic recreation.

THRC 188CE Research and Evaluation in Therapeutic Recreation

Credit Units: 3.0 Course Hours: n/a

You will examine the research process, learn how to develop a research plan, identify the steps in a research implementation plan and describe how to report research. You will explore the needs and issues specific to conducting research related to therapeutic recreation.

THRC 189 Therapeutic Recreation for Children and Youth

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): THRC 186

You will study the etiology, symptoms and characteristics of a number of common childhood and youth related disabilities, illnesses and/or health conditions. You will be introduced to the current practices and the role of therapeutic recreation when working with children and youth in a variety of settings.

THRC 189CE Therapeutic Recreation for Children and Youth

Credit Units: 3.0 Course Hours: n/a

You will study the etiology, symptoms and characteristics of a number of common childhood and youth related disabilities, illnesses and/or health conditions. You will be introduced to the current practices and the role of therapeutic recreation when working with children and youth in a variety of settings.

THRC 190 Health Promotion in Therapeutic Recreation

Credit Units: 4.0 Course Hours: 60.0

You will be introduced to the core concepts of health promotion discussing the determinants of health, and the relationship between heath and leisure. You will explore the Health Promotion/Health Protection model as it relates to therapeutic recreation. You will explore strategies and resources to encourage and promote involvement in physical activity and healthy eating for all ages as well as for Indigenous peoples. You will be introduced to physical literacy and its importance. You will explore skills for managing risk, stress and the life/work balance and will describe the role of therapeutic recreation in health promotion and disease prevention.

THRC 190CE Health Promotion in Therapeutic Recreation

Credit Units: 4.0 Course Hours: n/a

You will be introduced to the core concepts of health promotion discussing the determinants of health, and the relationship between heath and leisure. You will explore the Health Promotion/Health Protection model as it relates to therapeutic recreation. You will explore strategies and resources to encourage and promote involvement in physical activity and healthy eating for all ages as well as for Indigenous peoples. You will be introduced to physical literacy and its importance. You will explore skills for managing risk, stress and the life/work balance and will describe the role of therapeutic recreation in health promotion and disease prevention.

THRC 281 Therapeutic Recreation Assessment

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): THRC 184

You will develop an in-depth understanding of the process and components of assessment in therapeutic recreation. You will review, analyze and apply a variety of therapeutic recreation assessment tools and techniques.

THRC 281CE Therapeutic Recreation Assessment

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): THRC 184

You will develop an in-depth understanding of the process and components of assessment in therapeutic recreation. You will review, analyze and apply a variety of therapeutic recreation assessment tools and techniques.

THRC 283 Mental Health, Addictions and Therapeutic Recreation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): PSYC 102, PSYC 103

You will be provided an overview of the current practices of therapeutic recreation when working with individuals with mental illness, addiction and people in corrections. You will study the etiology, symptoms and impact considerations of these populations. You will also study mental health in Indigenous peoples.

THRC 283CE Mental Health, Addictions and Therapeutic Recreation

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): PSYC 102, PSYC 103

You will be provided an overview of the current practices of therapeutic recreation when working with individuals with mental illness, addiction and people in corrections. You will study the etiology, symptoms and impact considerations of these populations. You will also study mental health in Indigenous peoples.

THRC 284 Therapeutic Recreation and Leisure Education

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): THRC 182

You will explore the role of leisure education in assisting individuals in leading a fulfilling leisure lifestyle. You will examine philosophical consideration, models and facilitation techniques common to leisure education. You will have the opportunity to apply this theory by developing leisure education programs.

THRC 284CE Therapeutic Recreation and Leisure Education

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): THRC 182

You will explore the role of leisure education in assisting individuals in leading a fulfilling leisure lifestyle. You will examine philosophical consideration, models and facilitation techniques common to leisure education. You will have the opportunity to apply this theory by developing leisure education programs.

THRC 285 Therapeutic Recreation and Inclusive Leisure Services

Credit Units: 4.0 Course Hours: 60.0

You will develop an understanding of the importance of inclusive leisure services. In addition, you will examine the role of inclusive programming for Indigenous peoples. You will learn strategies to help facilitate individual participation, meaningful recreation and leisure opportunities.

THRC 285CE Therapeutic Recreation and Inclusive Leisure Services

Credit Units: 4.0 Course Hours: n/a

You will develop an understanding of the importance of inclusive leisure services. In addition, you will examine the role of inclusive programming for Indigenous peoples. You will learn strategies to help facilitate individual participation, meaningful recreation and leisure opportunities.

THRC 286 Therapeutic Recreation Program Management

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): THRC 184

You will learn the principles of program management/leadership and how they relate to delivering therapeutic recreation services. You will study organization and planning, department policies and procedures, human resource planning and volunteer management. Course content will include decision making, problem solving and conflict management as they relate to therapeutic recreation.

THRC 286CE Therapeutic Recreation Program Management

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): THRC 184

You will learn the principles of program management/leadership and how they relate to delivering therapeutic recreation services. You will study organization and planning, department policies and procedures, human resource planning and volunteer management. Course content will include decision making, problem solving and conflict management as they relate to therapeutic recreation.

THRC 289 Therapeutic Recreation and Aging

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): HUMD 188, THRC 183, THRC 184, THRC 190

Equivalent Course(s): REC 288, THRC 185

You will explore the relationship between leisure and aging and learn how to apply current therapeutic recreation practices (including physical activity and exercise), to support older adults, in a variety of settings. You will examine the myths, realities and considerations relative to aging, including the impact of retirement on older adults. You will study the etiology, symptoms and characteristics of cardiovascular, musculoskeletal system, and Parkinson's disease in older adults. The health care system will be discussed as well as how the delivery of leisure and health services affects older adults.

THRC 289CE Therapeutic Recreation and Aging

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): HUMD 188, THRC 183, THRC 184, THRC 190

You will explore the relationship between leisure and aging and learn how to apply current therapeutic recreation practices (including physical activity and exercise), to support older adults, in a variety of settings. You will examine the myths, realities and considerations relative to aging, including the impact of retirement on older adults. You will study the etiology, symptoms and characteristics of cardiovascular, musculoskeletal system, and Parkinson's disease in older adults. The health care system will be discussed as well as how the delivery of leisure and health services affects older adults.

THRC 290 Issues and Trends in Therapeutic Recreation

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 177

You will examine the trends and issues that influence the provision of therapeutic recreation services. You will study cultural competence, be introduced to Indigenous culture in therapeutic recreation, and study considerations related to the lesbian, gay, bisexual, transgender, queer/questioning, two-spirited (LGBTQ2+) community. You will examine the role of spirituality within therapeutic recreation.

THRC 290CE Issues and Trends in Therapeutic Recreation

Credit Units: 2.0 Course Hours: n/a

Prerequisite(s): PRAC 177

You will examine the trends and issues that influence the provision of therapeutic recreation services. You will study cultural competence, be introduced to Indigenous culture in therapeutic recreation, and study considerations related to the lesbian, gay, bisexual, transgender, queer/questioning, two-spirited (LGBTQ2+) community. You will examine the role of spirituality within therapeutic recreation.

THRC 291 Facilitation Techniques in Therapeutic Recreation

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): THRC 184

You will examine a number of techniques and activity-based therapies that therapeutic recreation professionals may employ. You will explore your role in utilizing these techniques and interventions as part of a comprehensive therapeutic recreation program.

THRC 291CE Facilitation Techniques in Therapeutic Recreation

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): THRC 184

You will examine a number of techniques and activity-based therapies that therapeutic recreation professionals may employ. You will explore your role in utilizing these techniques and interventions as part of a comprehensive therapeutic recreation program.

THRC 292 Therapeutic Recreation Integration Seminar 1

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): EMPL 180*, HUMR 186*, PSYC 103*, THRC 183*, THRC 184*, THRC 189*, THRC 285*, APHY 160, HUMD 188, MTER 100, PSYC 102, THRC 182, THRC 187, THRC 188, THRC 190

You will discuss practicum placement experiences to identify professional practice as it applies to therapeutic recreation services. You will have an opportunity to discuss the application of theory and knowledge on practice. You will begin to develop a framework for a professional portfolio outlining career goals as well as the knowledge and skills you have developed.

THRC 292CE Therapeutic Recreation Integration Seminar 1

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): EMPL 180*, HUMR 186*, PSYC 103*, THRC 183*, THRC 184*, THRC 189*, THRC 285*, APHY 160, HUMD 188, MTER 100, PSYC 102, THRC 182, THRC 187, THRC 188, THRC 190

You will discuss practicum placement experiences to identify professional practice as it applies to therapeutic recreation services. You will have an opportunity to discuss the application of theory and knowledge on practice. You will begin to develop a framework for a professional portfolio outlining career goals as well as the knowledge and skills you have developed.

THRC 293 Therapeutic Recreation Integration Seminar 2

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): PRAC 177, SOCI 171*, THRC 281*, THRC 283*, THRC 284*

You will discuss practicum placement experiences to begin identifying career opportunities in therapeutic recreation. You will have an opportunity to reflect on professional practice and discuss the application of theory and knowledge on practice. You will develop a professional portfolio that will prepare you to showcase your career goals, your abilities and secure a practicum placement of your choice.

THRC 293CE Therapeutic Recreation Integration Seminar 2

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): PRAC 177, SOCI 171*, THRC 281*, THRC 283*, THRC 284*

You will discuss practicum placement experiences to begin identifying career opportunities in therapeutic recreation. You will have an opportunity to reflect on professional practice and discuss the application of theory and knowledge on practice. You will develop a professional portfolio that will prepare you to showcase your career goals, your abilities and secure a practicum placement of your choice.

THRC 294 Therapeutic Recreation Integration Seminar 3

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): PRAC 280, SOCI 171, THRC 281, THRC 283, THRC 284, THRC 293, THRC 286*, THRC 290*, THRC 291*

You will reflect on practicum placement experiences to identify professional practice as it applies to therapeutic recreation services. You will complete a portfolio to integrate personal career goals with the practicum learning outcomes. You will prepare for practicum by developing a professional resume and cover letter and applying for a practicum placement with an agency. You will complete an interview upon selection by an agency.

THRC 294CE Therapeutic Recreation Integration Seminar 3

Credit Units: 1.0 Course Hours: n/a

Prerequisite(s): PRAC 280, SOCI 171, THRC 281, THRC 283, THRC 284, THRC 293, THRC 286*, THRC 290*, THRC 291*

You will reflect on practicum placement experiences to identify professional practice as it applies to therapeutic recreation services. You will complete a portfolio to integrate personal career goals with the practicum learning outcomes. You will prepare for practicum by developing a professional resume and cover letter and applying for a practicum placement with an agency. You will complete an interview upon selection by an agency.

TOOL 101 Machine Tool Operation

Credit Units: 3.0 Course Hours: 45.0

You will learn the basic theory and operation of a lathe.

TOOL 102 Hand Cut Tools

Credit Units: 3.0 Course Hours: 45.0

You will learn the theoretical and practical application of hand cutting tools.

TOOL 103 Assembly and Measuring Tools

Credit Units: 4.0 Course Hours: 60.0

You will experience the theoretical and practical application of assembly tools, precision measuring tools, and threading applications.

TOOL 104 Power Tools

Credit Units: 3.0 Course Hours: 45.0

You will learn theory and practical operation of grinders, drills and other power tools.

TOOL 108 Basic Tools and Materials

Credit Units: 6.0 Course Hours: 95.0

You will learn to use most of the hand and power tools utilized in the plumbing and pipefitting trades. You will be introduced to all types of pipes, tubing and fittings. You will learn to identify and join the different kinds of pipe used in the plumbing and pipefitting trades and learn to join the different kinds of pipe. Another component of the course is an introduction to natural and LP gas.

TOOL 113 Shop Tools, Procedures and Safety

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): TOOL 170

You will explore the occupations safe work practices and procedures required in these trades.

TOOL 114 Hand Threading Tools, Threads and Fasteners

Credit Units: 3.0 Course Hours: 45.0

You will learn the theoretical and practical application of hand threading tools, threads and fasteners.

TOOL 115 Assembly and Measuring Tools

Credit Units: 3.0 Course Hours: 45.0

You will experience the theoretical and practical application of assembly and precision measuring tools.

TOOL 116 Power Tools

Credit Units: 4.0 Course Hours: 60.0

You will learn theory and practical operation of grinders and drilling machines.

TOOL 118 Basic Tools and Materials Theory

Credit Units: 3.0 Course Hours: 45.0

You will identify hand and power tools utilized in the Plumber and Steamfitter trades. You will study rigging techniques associated with crane lifts and hand rigging equipment. You will discuss crane types, crane safety and signaling techniques. You will study slings, sling configurations and knots used during hoists and lifts. You will also discuss soldering and brazing procedures for similar and dis-similar metals.

TOOL 119 Basic Tools and Materials Shop

Credit Units: 2.0 Course Hours: 30.0

You will use hand and power tools utilized in the plumbing and pipefitting trades. You will practice safe lifting and moving techniques for materials and equipment used in the shop. You will apply basic rigging techniques and crane signals for hoisting pipe bundles, valves and other trade related materials and equipment. You will practice soldering and brazing with similar and dissimilar metals.

TOOL 149 Tools and Fasteners

Credit Units: 3.0 Course Hours: 45.0

You will learn how to use hand and power tools common to the electrician trade. You will learn how to safely operate and maintain powder actuated tools. You will learn about common fasteners used for wood, metal, masonry, and other materials.

TOOL 150 Shop Tools, Procedures and Safety

Credit Units: 5.0 Course Hours: 70.0

You will explore the occupations safe work practices and procedures required in these trades.

TOOL 151 Tools

Credit Units: 2.0 Course Hours: 30.0

You will learn the theoretical and practical application of hand and power tools.

TOOL 154 Basic Tools Theory

Credit Units: 1.0 Course Hours: 15.0

You will learn to identify, use and maintain hand tools and shop equipment. You will learn to read and use various measuring instruments and the proper method of sawing, filing, drilling, thread cutting, tool sharpening, and layout procedures. You will also learn to identify and use threaded fasteners and fittings, chemical fasteners and sealants. The course content includes safety rules, basic firefighting techniques and Occupational Health and Safety (OHS) and Workplace Hazardous Materials Information Systems (WHMIS) regulations.

TOOL 155 Basic Tools Shop

Credit Units: 2.0 Course Hours: 30.0

You will use and maintain hand tools and shop equipment. You will use various measuring instruments and perform sawing, filing, drilling, thread cutting, tool sharpening and layout procedures. You will use threaded fasteners and fittings, chemical fasteners and sealants. You will demonstrate safety rules and Occupational Health and Safety (OHS) and Workplace Hazardous Materials Information Systems (WHMIS) regulations.

TOOL 156 Lay-Out and Hand Cutting Tools

Credit Units: 2.0 Course Hours: 30.0

You will learn the theoretical and practical applications of lay-out tools and hand cutting tools.

TOOL 188 Basic Hand Tools

Credit Units: 1.0 Course Hours: 15.0

You will study threaded fastener systems and practice the use of hand tools most commonly used in metalwork applications in the refrigeration trade.

TOUR 280 Hospitality and Tourism

Credit Units: 2.0 Course Hours: 24.0

You will learn how the various sectors relate to and impact the tourism industry.

TOUR 287 Community Based Tourism

Credit Units: 3.0 Course Hours: 45.0

You will study how the municipal recreation practitioner can work with the local tourism industry to ensure tourism planning results in a beneficial and lasting fit with other aspects of community and area well-being. You will apply The Community- Based Tourism Planning (CBTP) Process Model to diverse communities.

TRAN 181 Transportation of Dangerous Goods (TDG) Train the Trainer

Credit Units: 1.0 Course Hours: 15.0

You will prepare to train workers on the basic requirements for road transport under the Transportation of Dangerous Goods (TDG) act.

TRAN 181CE Transportation of Dangerous Goods (TDG) Train the Trainer

Credit Units: 1.0 Course Hours: n/a

You will prepare to train workers on the basic requirements for road transport under the Transportation of Dangerous Goods (TDG) act.

TRAN 222 Transportation Engineering

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SRVY 109

You will design a section of highway using Computer Aided Drafting (CAD) to produce a drawing showing a centerline plan and profile, and a mass haul diagram. You will study drainage control, spiral curves and superelevation, cost considerations and the interpretation and proper presentation of highway drawings. You will compare and contrast various Global Navigation Satellite Systems.

TRAN 223 Transportation Engineering

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): TRAN 222

You will study the highway design standards including curve lengths and stopping sight distances. You will evaluate traffic volume counts, highway capacity analysis and intersection capacity and control.

TRFS 180 Transfusion Science 1

Credit Units: 3.0 Course Hours: 52.0

Prerequisite(s): PROC 180, IMMU 183*

You will acquire the theory and practice needed to perform basic techniques to detect antigen-antibody reactions. You will also learn how to perform ABO forward and reverse grouping, Rh grouping and the antiglobulin test (direct and indirect).

TRFS 181 Transfusion Science 2

Credit Units: 4.0 Course Hours: 55.0

Prerequisite(s): TRFS 180

You will acquire the theory and practice needed to detect and identify antigens and antibodies and other blood group systems. You will learn how to help diagnose, treat and prevent hemolytic disease of the fetus and newborn (HDFN). Diagnosing and treating immune hemolytic anemias will also be covered.

TRFS 182 Transfusion Science 3

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): TRFS 181

You will acquire the theory and practice needed to provide and issue compatible products for transfusions and investigating adverse effects of transfusions.

TRFS 182CE Transfusion Science 3

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): TRFS 181

You will acquire the theory and practice needed to provide and issue compatible products for transfusions and investigating adverse effects of transfusions.

TRFS 201 Transfusion Science

Credit Units: 3.0 Course Hours: 45.0

You will acquire the theory needed to perform transfusion medicine techniques. You will learn about blood donation and blood products, antigen phenotyping/genotyping, ABO and Rh inheritance, discuss compatibility testing, as well as the major blood group systems and proper nomenclature used in the laboratory.

TRFS 202 Transfusion Science 2 (Theory)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): TRFS 201, TRFS 203*

You will continue to apply previous knowledge as well as acquire the theory needed to perform and resolve discrepancies of ABO and Rh groups, detect and identify blood group system antibodies, and ho help diagnose, manage and prevent hemolytic disease of the fetus and newborn (HDFN). You will acquire the theory needed to provide and issue compatible products for transfusion and investigate adverse effects of transfusion.

TRFS 203 Transfusion Science 3 (Lab)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): TRFS 201, TRFS 202*

You will apply previously acquired knowledge in the practice and performance of transfusion medicine techniques to identify antigen-antibody reactions in ABO forward and reverse grouping, Rh grouping, both direct and indirect antiglobulin testing, and the detection and identification of antigens and antibodies of the major blood group systems. You will practice and perform testing to help diagnose, manage and prevent hemolytic disease of the fetus and newborn (HDFN). You will practice and perform testing needed to provide and issue compatible products for transfusions.

TRFS 301 Blood Product Management

Credit Units: 1.0 Course Hours: 15.0

You will acquire the knowledge and skills to transport, receive, store, and issue blood components and products. You will learn about the basic workup for the investigation of a suspected transfusion reaction to infused blood products.

TRLR 100 Truck and Trailer Systems Theory

Credit Units: 1.0 Course Hours: 15.0

You will discuss various trailer frame and suspension designs. Saskatchewan Government Insurance inspections procedures will also be discussed.

TRLR 101 Truck and Trailer Systems Shop

Credit Units: 2.0 Course Hours: 30.0

You will evaluate various trailer frame and suspension designs. Saskatchewan Government Insurance inspection procedures will be performed and defects repaired.

TRLR 102 HVAC and Auxiliary Power Systems Theory

Credit Units: 1.0 Course Hours: 15.0

You will discuss various auxiliary heaters and power generation systems. You will also study trailer heating, ventilation and air conditioning systems.

TRLR 103 HVAC and Auxiliary Power Systems Shop

Credit Units: 2.0 Course Hours: 30.0

You will analyze and repair auxiliary heating and power generation systems. Trailer heating, ventilation and air conditioning systems will also be evaluated.

TRNM 109 Final Drive Assemblies

Credit Units: 3.0 Course Hours: 45.0

The course focuses on the operation, diagnosis and repair of final drive assemblies.

TRNM 110 Clutches and Transmissions Part 1

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): TRNM 111

You will examine the operation, diagnosis and repair of clutch assemblies. The course also combines the removal and replacement of manual transmissions.

TRNM 111 Clutches and Transmissions Part 2

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): TRNM 110

Your studies will focus on the maintenance procedures for transmissions, transaxles, transfer case and differentials. You will develop skills in removal and installation of automatic transmissions.

TRNM 190 Primary Driveline Components, Belts and Chains

Credit Units: 2.0 Course Hours: 30.0

You will learn about basic driveline components and the importance of proper alignment and design. You will perform belt and chain adjustments, explore various bearing types and perform driveline inspections. You will explore agricultural equipment steering axle geometry.

TRNM 191 Clutch Drive Systems

Credit Units: 2.0 Course Hours: 30.0

You will learn about various clutch drive systems used in the agricultural equipment industry. You will describe various types of clutch systems and applications for clutch components. You will safely separate a tractor engine from the transmission and inspect the clutch drive system.

TRNM 192 Differentials and Final Drives

Credit Units: 4.0 Course Hours: 60.0

You will learn about the principles of gear reduction systems and differentials. You will study hydraulic braking systems used on today's agricultural equipment. Your focus will be on various gear boxes, axles, and final drives.

TS 1000 Transition to Trades

Credit Units: 0.0 Course Hours: 480.0

Assist learners to acquire the skills and meet requirements for admission and success in pre-trades training through a combination of hands on and classroom training.

Course Descriptions V

VDEO 100 Electronic Field Production Hardware

Credit Units: 1.0 Course Hours: 16.0

Your studies will focus on the fundamental technical concepts of video production. Cameras and recording devices will be emphasized and you will study their components and care.

VDEO 101 Electronic Field Production Equipment

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AUDI 103*, PHOT 126*

Your studies will expose you to electronic field production (EFP) equipment including setup, basic operations, and care and maintenance of the equipment.

VDEO 102 Videography

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): VDEO 101, DSGN 105

You will learn to compose shots and sequences with meaning and energy. You will develop the skills and techniques required to effectively communicate a message to the viewer.

VDEO 103 Video Editing

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): VDEO 102*

You will learn how to edit video and audio using video editing software. Your studies will familiarize you with the interface and help you attain skills in importing, layout, mixing audio, editing video and applying pre-set effects and filters.

VDEO 104 Post-Production 1

Credit Units: 3.0 Course Hours: 38.0

Prerequisite(s): COMP 102

You will receive an introduction to post-production editing. You will study linear and non-linear post-production editing systems and learn basic techniques.

VDEO 200 Effective Imagery

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): AV 200, VDEO 102

You will practice a variety of shooting techniques using the camera to define, enhance, and control imagery. You will explore creative concepts for producing effective imagery.

VDEO 201 Editing Support Equipment

Credit Units: 2.0 Course Hours: 32.0

Prerequisite(s): VDEO 103

Your studies will cover supplementary equipment used in an editing system. You will learn about formats and standards and audio and video monitoring equipment.

VDEO 202 Video Titling and Graphics

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 105, VDEO 103

You will learn methods of preparing, selecting, and presenting titles in the context of a video production. Your studies will help you develop the skills needed to ensure graphics have the appropriate look and format.

VDEO 203 Post-Production

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): DSGN 105, VDEO 103

You will explore advanced video editing techniques including introducing motion to titles and still images, colour correction, and complex editing techniques while studying the relationship and the interaction of sequencing, time, and motion.

VDEO 204 Dramatic Production

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): VDEO 200, VDEO 203, AUDI 200

Building on the skills you have acquired throughout this program, you will write, direct, and produce a short dramatic production from treatment through to finished presentation as part of your capstone project.

VDEO 205 Corporate Video Production

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): VDEO 200, VDEO 203, AUDI 200

Building on the skills you have acquired throughout this program, you will find a client and produce a corporate-style video production as part of your capstone project.

VDEO 206 Documentary Production

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): VDEO 200, VDEO 203, AUDI 200

Building on the skills you have acquired throughout this program, you will develop and produce a documentary based on your own ideas and research as part of your capstone project.

VDEO 207 Multi-Camera Video Production

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): VDEO 200

You will learn systems and use techniques for producing live multiple-camera events. You will learn to determine remote production requirements. You will participate in the system set up and perform various roles in a production crew.

VDEO 208 Introduction to Streaming Media

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): GRPH 109, VDEO 102, AUDI 201

You will learn the fundamental concepts required to stream audio and video on the internet. You will discuss the technologies available for streaming and determine appropriate systems for the stream required. You will create and deliver a live stream presentation.

VDEO 209 Interviews

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): VDEO 202*, VDEO 203*

You will learn the art of the interview and produce a series of short video stories on various topics, while focusing on the various aspects of electronic field production (EFP) including conducting interviews, producing, camera operation, and post-production editing. You will analyze and critique final stories.

VETR 100 Animal Diseases 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): APHY 101, APHY 102, CHEM 101, MATH 280, MICR 186*, VETR 182, APHY 104*

Equivalent Course(s): VETR 279

Your studies will cover general principles of disease in both large and small animals. You will learn about temperature regulation, hydration, shock, wound care, cardiac, respiratory and gastrointestinal disease.

VETR 182 Veterinary Nursing Skills 1

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): APHY 101*, APHY 102*, VETR 187*

You will practice common veterinary nursing skills such as handling syringes and biologicals, safe animal restraint, various injection techniques, blood collection, small animal bandaging and small animal physical assessment.

VETR 183 Clinical Rotations 1

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): VETR 182*, VETR 186*, VETR 187*, VETR 188*, APHY 101*, APHY 102*, MATH 280*

You will be introduced to veterinary practices through assigned rotations at local veterinary clinics. You will learn about the roles in the veterinary team, apply veterinary technology professionalism, and use effective veterinary team communication. You will practice safe animal restraint, vitals assessment, and taking patient history with emphasis on the wellness exam. You will assist with animal husbandry and management of clinic spaces, including clinic hygiene.

VETR 184 Animal Production and Livestock Tours

Credit Units: 1.0 Course Hours: 15.0

You will be introduced to dairy, beef, poultry, swine, and equine production through lecture, tours, and research assignments. Topics include variations in housing, health management, producer goals, and National Farm Animal Codes of Practice. You will be introduced to referencing and research on veterinary topics and use these skills to write reports.

VETR 186 Human-Animal Bond, Ethics and the Law

Credit Units: 2.0 Course Hours: 30.0

You will learn about regulation of veterinary medicine and discuss welfare and ethics as it pertains to the veterinary profession. You will also explore the human-animal bond in the context of individual and cultural influence and euthanasia.

VETR 187 Animal Behaviour

Credit Units: 2.0 Course Hours: 30.0

You will be introduced to the study of domesticated animal behaviour, behaviour modification, and learn how to adapt handling techniques based on animal behaviour. This knowledge provides a theory basis to safe work around the four main domestic species.

VETR 188 Veterinary Medical Terminology

Credit Units: 1.0 Course Hours: 15.0

You will learn to use the prefixes, suffixes, and combining forms from which veterinary medical terms are derived. You will learn the correct way to use medical abbreviations and translate veterinary medical and animal health terminology for use with clients.

VETR 189 Veterinary Client Relations

Credit Units: 1.0 Course Hours: 15.0

You will be introduced to personality type in relation to effective communication and stress management strategies. You will participate in customized activities to gain an understanding of effective listening and customer service skills.

VETR 190 Veterinary Nursing Skills 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): APHY 101, APHY 102, MATH 280, VETR 182, VETR 187, APHY 104*

You will practice commonly used nursing skills, including intravenous catheter placement, fluid administration, intravenous injections, and constant rate infusions. You will also practice techniques related to eye and ear exams.

VETR 191 Large Animal Health and Medicine

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): ANIM 282, MICR 186, VETR 100, VETR 184, APHY 104, VETR 190, GENE 182*, IMMU 281*

Equivalent Course(s): VETR 279

Your studies will cover principles of herd health and specific disease conditions in dairy and feedlot cattle, horses and small ruminants.

VETR 192 Veterinary Office Procedures

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): VETR 188

You will be introduced to the day-to-day activities involved in managing clients, patients, and medical records within a veterinary clinic setting. You will also be introduced to front office management and a veterinary software program.

VETR 193 Exotics

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): ANIM 282, APHY 281

You will be familiarized with the anatomy, physiology, breed identification, handling, and common diseases of avian, reptile, amphibian, ferret and pocket pet species.

VETR 200 Animal Diseases 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): GENE 182, MICR 186, VETR 100, APHY 104, IMMU 281, VETR 190

Equivalent Course(s): VETR 279

You will examine pathological mechanisms and specific diseases common to small animals. Topics include etiology, prevention and treatment, diagnostic testing, patient monitoring and nursing care. Emphasis is placed on triage and the technologist's role in case management.

VETR 201 Introduction to Exotic and Laboratory Animals

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): APHY 104, VETR 100, VETR 190

You will study anatomy, husbandry, and diseases of common exotic and lab animal species, including birds, reptiles, ferrets, rabbits and rodents. You will discuss species commonly used in research and how they are used. In the labs, you will practice handling and restraint, as well as perform common clinical techniques in poultry, rabbits, and rodents.

VETR 279 Animal Diseases

Credit Units: 5.0 Course Hours: 76.0

Prerequisite(s): APHY 190

Corequisite(s): APHY 280, APHY 281

Equivalent Course(s): VETR 181

You will study the major animal diseases that involve various body systems of domestic animals and selected exotic species. The course content includes infectious and non-infectious diseases, aspects of diagnosis, prevention and treatment, zoonotic potential and nursing care.

VETR 282 Large Animal Skills 2

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): ANES 279, NUTR 200, VETR 191, PATH 202, RDGR 183, VETR 293, PHAR 281*, VETR 292*

Corequisite(s): ANES 281, VETR 296

You will perform common techniques in live horses and cattle including handling, physical assessment, sample collection, and treatments. You will learn about large animal theriogenology techniques.

VETR 286 Veterinary Technology Dentistry

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): RDGR 183, APHY 104, VETR 190

Your studies will focus on the components of dental care in small animals and horses. You will develop skills in oral examination, disease recognition, care and use of dental equipment, and client education and homecare. You will also perform routine dental prophylaxis and dental radiography on models and cadavers.

VETR 287 Clinical Rotations 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): VETR 182, VETR 183, VETR 187, VETR 188, MATH 280, RDGR 183*, VETR 190*, APHY 101, APHY 102, VETR 186, APHY 104*, VETR 100*

You will build skills and knowledge through assigned rotations at local veterinary clinics. You will integrate as a member of the veterinary team, apply veterinary technology professionalism, and use effective veterinary team communication. You will apply the following competencies: safe animal restraint, vital assessment, history taking for wellness and sick patients, practice discharge instructions. You will assist with animal husbandry and management of clinic space, including hygiene. You will assist with technical skills where appropriate including: sample collection, xray, carrying out treatment orders. You will observe routine surgeries and anesthesia.

VETR 288 Seminars

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): VETR 184

Building on the skills you developed in Veterinary Tours 1 (VETR 184), you will participate in tours associated with the animal industry. You will attend a seminar on employment opportunities in non-traditional employment fields.

VETR 289 Clinical Surgical Nursing

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): PRAC 284

Corequisite(s): ANES 282, CLIN 238, CLIN 239

You will perform as a circulating and scrub nurse in small and large animal operating rooms according to gold standards of practice.

VETR 290 Veterinary Pharmacology

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): APHY 281, CHEM 190, MATH 280, MICR 186, VETR 279

Corequisite(s): ANES 279, CHEM 280, HEMA 281, HEMA 282, PRST 280, SEM 281

Equivalent Course(s): VETR 185

You will discuss the requirements of dispensing and record keeping in a veterinary clinical practice. You will be introduced to common medications used in veterinary medicine.

VETR 291 Veterinary Information Systems

Credit Units: 1.0 Course Hours: 16.0

Prerequisite(s): VETR 183

Corequisite(s): VETR 287

You will be introduced to a veterinary software package. You will learn how to input and manage clients and patients in a veterinary database package.

VETR 292 Surgical Nursing Skills

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): VETR 293, PHAR 281*, VETR 282*, VETR 296*

You will learn the skills required to perform circulating and scrub nurse duties in the operating room. There is emphasis on surgical asepsis, preparing a patient for surgery, and equipment and instrument management.

VETR 293 Veterinary Nursing Skills 3

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): VETR 190, APHY 104, VETR 287

You will be introduced to common nursing skills, including urine collection, fine needle aspirates, electrocardiography, capnography, measuring blood pressure and oxygen saturation, intubation, and performing cardiopulmonary resuscitation (CPR).

VETR 294 Veterinary Nursing Skills 4

Credit Units: 1.0 Course Hours: 15.0

Prerequisite(s): VETR 286, VETR 292, VETR 293

You will review and refresh your skills in common nursing procedures previously learned. These skills are frequently used in veterinary clinics and will be utilized during your second year clinical rotations and senior practicum.

VETR 295 Small Animal Medicine

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): ANES 279, PATH 201, PATH 202, PHAR 203, PRST 280, VETR 200, VETR 294*

Corequisite(s): ANES 281, PRAC 284, RDGR 282, VETR 282

You will learn how to handle, restrain and perform specified procedures on small companion animals. Safety requirements involved in dealing with small animals will be emphasized.

VETR 296 Small Animal Skills

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): ANES 279, RDGR 183, VETR 286, VETR 287, VETR 293, ANES 281*, VETR 282*, VETR 292*

You will expand on previously learned small animal technical skills and be introduced to acceptable variations on procedures. This course covers skills including restraint, injection, venipuncture, sample collection, physical examination, radiology, dental charting and prophylaxis, fluid therapy, advanced CPR, and safe practices. This course includes essential skills testing in live animals.

Course Descriptions W

WALL 100 Walls

Credit Units: 4.0 Course Hours: 60.0

Corequisite(s): MSON 100

You will gain hands-on practical experience in the design, layout and construction of various wall systems according to the building code requirements.

WELD 102 Welding Operations

Credit Units: 2.0 Course Hours: 30.0

You will operate welding equipment to perform welding operations including joining materials and metal cutting.

WELD 114 Cutting Processes

Credit Units: 1.0 Course Hours: 18.0

You will acquire skill in using freehand and guided methods for cutting mild steel. The freehand method is used to make straight cuts in 14 gauge and to make straight cuts, bevelled cuts and holes in plate. The guided method is used to do straight cuts, bevelled cuts and cut circles from plate. You will also be introduced to plasma arc and air carbon arc cutting.

WELD 115 Gas Metal Arc Welding

Credit Units: 11.0 Course Hours: 162.0

You will be introduced to the gas metal arc welding process that is most commonly called MIG welding. The course content includes setting and adjusting welding equipment for MIG welding of steel and/or aluminum, and selecting the mode of metal transfer, the size and type of filler wire and the type of shielding gas to be used. You will learn how to make MIG fillet welds in the flat, vertical, horizontal and overhead positions.

WELD 178 Welding

Credit Units: 7.0 Course Hours: 100.0

Prerequisite(s): SFTY 126*

You will learn how to fusion weld light gauge metal used in the auto body industry using metal inert gas (MIG) welding procedures. You will also learn how to perform resistance spot welds. You will learn to cut metals using both a cutting torch and plasma arc cutters.

WELD 283 Gas Welding (OFC, TB)

Credit Units: 2.0 Course Hours: 28.0

You will focus on safety procedures, equipment set up, and correct operating procedures of oxy-fuel cutting, torch brazing and plasma arc cutting. You will gain experience through cutting various types and thicknesses of metal and complete various beads while torch brazing.

WELD 287 ARC Welding (SMAW)

Credit Units: 1.0 Course Hours: 0.0

You will focus on safety procedures, equipment set up, and correct operating procedures of shielded metal arc welding (SMAW). You will gain experience through welding various thicknesses of metal in multiple positions.

WELD 289 Welding

Credit Units: 1.0 Course Hours: 19.0

You will learn how to safely operate, assemble and maintain an oxy-fuel system while torch brazing (TB) and oxy-fuel cutting (OFC).

WELD 387 Welding for Technologists

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): WELD 102

You will observe and perform welding, thermal cutting and metal forming operations. You will develop an understanding of processes rather than skill. Supervised hands-on training will help you develop an understanding of Shielded Metal Arc Welding, Gas Metal Arc Welding, Flux Cored Arc Welding, Gas Tungsten Arc Welding, Oxy-Fuel Welding and Submerged Arc Welding. Your metal cutting activities will include Oxy-fuel Cutting and Plasma Arc Cutting. You will perform metal forming activities on a plate roll, press brake and structural roll.

WHMS 182 WHMIS

Credit Units: 1.0 Course Hours: 4.0

Equivalent Course(s): PART 191, WHMS 100

The course provides an introduction to the Workplace Hazardous Material Information System for identifying hazards associated with materials found in the workplace. The system helps to prevent personal injury and long-term negative health effects.

WHMS 184 Workplace Hazardous Information System (WHMIS) Train the Trainer

Credit Units: 1.0 Course Hours: 15.0

Your studies will focus on the preparation required to successfully facilitate in-house Workplace Hazardous Materials Information System (WHMIS) sessions for front line workers. You will learn about relevant legislation including requirements of worker training, controlled product classification, and required documentation and labeling. You will also develop skills to design specific workplace training sessions.

WHMS 184CE Workplace Hazardous Information System (WHMIS) Train the Trainer

Credit Units: 1.0 Course Hours: n/a

Your studies will focus on the preparation required to successfully facilitate in-house Workplace Hazardous Materials Information System (WHMIS) sessions for front line workers. You will learn about relevant legislation including requirements of worker training, controlled product classification, and required documentation and labeling. You will also develop skills to design specific workplace training sessions.

WILD 101 Ecology, Biology and Management of Saskatchewan Wildlife

Credit Units: 2.0 Course Hours: 30.0

You will explore the science of wildlife management and develop a sense of connection between human activities, wildlife populations, and landscapes. You will study the contemporary challenges, strategies, and goals for the sustainable management of Saskatchewan wildlife populations.

WILD 102 Humane Trapping

Credit Units: 1.0 Course Hours: 15.0

You will learn the skills to trap animals humanely and process the hide for resale.

WILD 103 Tanning and Beading Hides

Credit Units: 2.0 Course Hours: 30.0

You will learn the process of hide tanning utilizing both traditional and modern methods. You will also learn to bead on a prepared hide.

WILD 301 Wildlife Anatomy and Systematics

Credit Units: 4.0 Course Hours: 60.0

You will study how to identify over 300 vertebrate species of birds, mammals, reptiles, and amphibians. You will examine the anatomy of birds and mammals. You will conduct basic necropsy and sample processing for animal protocols.

WILD 404 Wildlife Management Field Techniques

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): CAMP 416*

You will study fundamental field skills in wildlife damage prevention, data and sample collection, and age/sex determination. You will also study how to ethically capture and handle wildlife and learn about wildlife diseases in Saskatchewan.

WILD 405 Wildlife Population Assessment and Regulation

Credit Units: 3.0 Course Hours: 45.0

You will assess wildlife populations using a variety of survey techniques that wildlife managers use to quantify the size, distribution, and density of wildlife populations. You will also examine the tools managers use to regulate the sustainable harvest of wildlife.

WILD 406 Assessment of Wildlife Physiological Condition

Credit Units: 2.0 Course Hours: 30.0

You will use physiological parameters to assess the health and reproductive status of wildlife populations. You will examine the principles of wildlife nutrition and learn methods to assess the reproductive and nutritional status of wildlife.

WILD 409 Wildlife Habitat Assessment

Credit Units: 3.0 Course Hours: 45.0

You will study techniques to assess habitat quality to determine its capability for supporting wildlife. You will learn the fundamentals of and current guidelines for the protection of wildlife and their habitats within a variety of human resource developments.

WILD 411 Wildlife Mgmt Field Techniques

Credit Units: 4.0 Course Hours: 60.0

You will demonstrate the fundamental field skills in wildlife damage prevention, data and sample collection, and age/sex determination. You will also demonstrate the ethical capture and handling of wildlife.

WLDR 103 Welding and Cutting

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): WELD 103

You will study the basics of oxy-acetylene cutting and welding. You will learn to safely use and store material involved with these operations.

WLDR 121 Wire Feed Welding Processes Theory

Credit Units: 1.0 Course Hours: 15.0

You will be introduced to the wire fed welding processes. You will study the correct adjustment of parameters for safe use of wire fed welding equipment. Maintenance and troubleshooting procedures will be described.

WLDR 127 Flame Cutting

Credit Units: 2.0 Course Hours: 30.0

You will study the basics of oxy-acetylene cutting and welding. You will learn to safely use and store material involved with these operations.

WLDR 135 Welding

Credit Units: 2.0 Course Hours: 30.0

You will identify the safe assembly, operation and maintenance of oxy-fuel cutting (OFC) and Gas Metal Arc Welding (GMAW) processes. You will also demonstrate the safe operation of oxy-fuel cutting (OFC) and Gas Metal Arc Welding (GMAW).

WLDR 137 Oxy Fuel, Cutting and Welding, Gas Metal Arc Welding (GMAW)

Credit Units: 3.0 Course Hours: 45.0

You will learn the theory and practical basic skills of Oxy fuel welding and cutting and Gas Metal Arc Welding, short circuit and spray welding.

WLDR 138 Shielded Metal Arc Welding (SMAW)

Credit Units: 3.0 Course Hours: 45.0

You will learn the theory and practical basic welding skills of shield metal arc welding (SMAW).

WLDR 142 Shielded Metal Arc Welding Theory

Credit Units: 1.0 Course Hours: 15.0

Equivalent Course(s): WLDR 124

You will be introduced to the safe operation and maintenance of shielded metal arc welding (SMAW) equipment and accessories. You will examine the proper classification and application of SMAW electrodes.

WLDR 143 Shielded Metal Arc Welding Shop 1

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): WLDR 125

You will develop skills in welding steel in flat and horizontal positions. You will perform surface buildup and weld bead placement.

WLDR 144 Oxy-Fuel Processes Theory

Credit Units: 1.0 Course Hours: 15.0

You will develop the knowledge required to select, set up, operate and maintain oxy-fuel welding (OFW) equipment.

WLDR 145 Oxy-Fuel Processes Shop

Credit Units: 2.0 Course Hours: 30.0

You will set up and use oxy-fuel equipment to weld, braze and solder.

WLDR 146 Oxy-Fuel and Thermal Cutting

Credit Units: 3.0 Course Hours: 45.0

Equivalent Course(s): WELD 104

You will use freehand and guided methods for cutting mild steel. You will perform straight cuts, bevel cuts and pierce holes in the plate. You will use a guide to do straight cuts, bevel cuts and cut circles from plate. You will perform plasma arc cutting and gouging. Air carbon arc gouging will be performed.

WLDR 147 Wire Feed Welding Process Theory

Credit Units: 1.0 Course Hours: 15.0

You will develop the knowledge required to safely select, setup and maintain power supply components, electrodes, flux, and shielding gases.

WLDR 149 Canadian Welding Bureau W47.1 Welder Qualification

Credit Units: 3.0 Course Hours: 45.0

You will complete the Canadian Welding Bureau (CWB) welder qualification W47.1 assessments using the shielded metal arc welding (SMAW), gas metal arc welding (GMAW) and flux-cored arc welding (FCAW) processes for the flat groove-fillet (1GF) assessment.

WLDR 150 Introduction to Gas Tungsten Arc Welding

Credit Units: 2.0 Course Hours: 30.0

You will use the gas tungsten arc welding (GTAW) process on carbon steel, stainless steel and aluminum material.

WLDR 152 Cutting Processes and Shielded Metal Arc Welding

Credit Units: 3.0 Course Hours: 45.0

You will practice appropriate safety protocols and become familiar with shielded metal arc welding (SMAW) equipment, accessories and consumables. You will perform basic SMAW welds.

WLDR 153 Gas Metal Arc Welding 1

Credit Units: 2.0 Course Hours: 30.0

You will practice appropriate safety protocols and become familiar with Gas Metal Arc Welding (GMAW) equipment, accessories and consumables. You will set up a weld station and perform basic GMAW welds.

WLDR 154 Automation and Gas Metal Arc Welding

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): WLDR 153

You will practice appropriate safety protocols and apply gas metal arc welding (GMAW) to the certified CWB 1GF weldment exam. You will practice appropriate safety protocols and apply GMAW to the automated welding processes.

WLDR 155 Flux-Cored, Metal-Cored and Advanced Wire Feed Processes

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): WLDR 154*

You will practice appropriate safety protocols and apply flux-cored arc welding (FCAW) and metal-cored arc welding (MCAW) in welding mild steel. You will also continue your gas metal arc welding (GMAW) studies in welding aluminum and advanced wave form processes.

WLDR 157 Fabrication Equipment

Credit Units: 3.0 Course Hours: 45.0

You will practice appropriate safety protocols and study the application and operation of fabrication equipment including press brake, shear, plate rolls, structural rolls and other metal forming tools. You will apply your skills by completing a welding and fabrication project.

WLDR 158 Oxy Fuel Cutting (OFC) and Plasma Arc Cutting (PAC)

Credit Units: 2.0 Course Hours: 30.0

You will focus on safety procedures, equipment set-up, and correct operating procedures of oxy-fuel cutting (OFC) and plasma arc cutting (PAC). You will gain experience cutting different types of metal with varying degrees of thickness.

WLDR 159 ARC Welding (Shielded Metal Arc Welding)

Credit Units: 2.0 Course Hours: 30.0

You will focus on safety procedures, equipment set-up and correct operating procedures of shielded metal arc welding (SMAW). You will gain experience through welding various thicknesses of metal in multiple positions.

WLDR 160 Welding 1

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): SFTY 126*

Corequisite(s): WLDR 161

You will learn how to safely perform resistance spot welds. You will learn to cut metals using both a cutting torch and plasma arc cutters.

WLDR 161 Welding 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): SFTY 126*

Corequisite(s): WLDR 160

You will learn how to fusion weld light gauge metal used in the auto body industry using gas metal arc welding (GMAW) procedures.

WLDR 163 Shielded Metal Arc Welding Shop 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): WLDR 143*

Equivalent Course(s): WLDR 126

You will perform welds in flat, vertical, and overhead positions using F3 and F4 electrodes. You will be introduced to open root welding.

WLDR 164 Wire Feed Welding Processes Shop 1

Credit Units: 4.0 Course Hours: 60.0

In this course you will be introduced to solid wire welding procedures such as weld sequencing, metal transfer types, weld positions and advanced waveforms on lite gauge materials. You will perform multiple pass welds using pulsed wave forms.

WLDR 165 Wire Feed Welding Processes Shop 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): WLDR 148*

You will develop your abilities with solid wire GMAW in the horizontal and overhead positions. You will be introduced to flux cored, metal cored and aluminum wire feed welding processes. You will perform open root welds with solid wire in the flat and vertical positions.

WLDR 166 Oxy Fuel and Thermal Cutting Theory

Credit Units: 1.0 Course Hours: 15.0

You will develop the knowledge required to select, set up, operate, and maintain oxyfuel cutting, plasma arc cutting and air carbon arc cutting equipment.

WLDR 167 Oxy Fuel and Thermal Cutting Shop

Credit Units: 3.0 Course Hours: 45.0

You will use freehand and guided methods for cutting mild steel. You will perform straight cuts, bevel cuts and pierce holes in the plate. You will use a guide to do straight cuts, bevel cuts and cut circles from plate. You will perform plasma arc cutting and gouging, as well as air carbon arc gouging.

WLDR 168 Wire Feed Processes Theory

Credit Units: 1.0 Course Hours: 15.0

You will develop the knowledge required to safely select, setup and maintain power supply components, electrodes, flux, and shielding gases.

WLDR 169 Wire Feed Processes Shop 1

Credit Units: 4.0 Course Hours: 60.0

You will setup and use wire feed equipment to weld mild steel with hard wire, flux cored, and metal cored wire. You will weld aluminum fillet welds.

WLDR 170 Wire Feed Processes Shop 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): WLDR 169*

You will weld flat and vertical up on 3/8 mild steel V-groove butt joints, and weld around structural shapes using solid and flux cored wire in the flat position.

WLDR 171 Shielded Metal Arc Welding Theory

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): WELD 107

You will be introduced to the Shielded Metal Arc Welding (SMAW) process and study the types of power sources, electrical characteristics of welding circuits, and mild steel and low alloy electrodes.

WLDR 172 Shielded Metal Arc Welding Shop 1

Credit Units: 4.0 Course Hours: 60.0

Equivalent Course(s): WELD 108

You will develop your welding skills in the flat position and the horizontal positions.

WLDR 173 Shielded Metal Arc Welding Shop 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): WLDR 172*

You will perform horizontal multi-pass and vertical downhill welds using various electrodes.

WLDR 174 Shielded Metal Arc Welding Shop 3

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): WLDR 173*

You will perform vertical welds with the uphill progression using E7018 electrodes. You will assemble and weld a weldment for carbon arc cutting – air (CAC-A) exercise.

WLDR 175 Shielded Metal Arc Welding Shop 4

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): WLDR 174*

You will be introduced to open root welding. You will practice the preparation, assembly, and welding of open root v-groove weldments in the flat position.

WLDR 176 Shielded Metal Arc Welding Shop 5

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): WLDR 174*

You will perform the preparation, assembly, and welding of open root v-groove weldments in the horizontal position.

WLDR 177 Shielded Metal Arc Welding Shop 6

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): WLDR 174*

You will perform the preparation, assembly, and welding of open root v-groove weldments in the vertical position. You will perform welding in the overhead position.

WLDR 178 Gas Tungsten Arc Welding

Credit Units: 3.0 Course Hours: 45.0

You will set-up and adjust Gas Tungsten Arc Welding (GTAW) equipment required for welding mild steel, stainless steel and aluminum. You will examine the types of electrodes, shielding gases and electrical current types used in the GTAW process. You will weld mil steel, stainless steel and aluminum.

WLDR 179 Welding

Credit Units: 1.0 Course Hours: 15.0

You will learn how to safely operate, assemble and maintain an oxy-fuel system while torch brazing (TB) and oxy-fuel cutting (OFC).

WM 131 Wiring Methods (Cables)

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): BT 100*, SFTY 130*

You will be introduced to installation requirements for electrical circuits using various types of cables. You will become familiar with the minimum Canadian Electrical Code requirements and practice installing typical circuits using various types of cables.

WM 132 Wiring Methods (Raceways)

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): BT 100*, SFTY 130*

You will be introduced to installation requirements for electrical circuits using various types of raceways. You will become familiar with the minimum Canadian Electrical Code requirements and practice installing typical circuits using various types of raceways. You will learn how to bend electrical metallic tubing, PVC conduit, and how to install cable tray.

WORK 100 Industrial Attachment

Credit Units: 0.0 Course Hours: 40.0

You will study workplace and employer needs as you participate in a work placement.

WORK 1000 Work Experience

Credit Units: 0.0 Course Hours: 25.0

Work Experience is an arranged work placement to assist students in gaining knowledge and expertise in a field related to their career choice or assist students whose goal after completing their BE program was finding employment.

WORK 104 Work Placement Practicum

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): PRAC 200*

To help you in your final preparations for employment, you will spend one week in industry. You will have the opportunity to observe in the work environment and become familiar with the everyday customer relations and working schedules of a salon.

WORK 105 Work Experience

Credit Units: 0.0 Course Hours: 60.0

You will gain valuable experience through a two-week (60 hour) job placement in industry. You will have the opportunity to apply your trade-related technical skills as you increase your understanding of the workplace and employer's needs.

WORK 106 Work Experience

Credit Units: 0.0 Course Hours: 120.0

Prerequisite(s): MULT 114, PROF 200

You will observe, practice, and work in an interactive media environment. You will be able to complement your education and practical skills training with experiential learning. *Note: Students must complete either WORK 106 - Work Experience or PROJ 101 - Client Directed Project.

WORK 108 Work Experience

Credit Units: 0.0 Course Hours: 60.0

You will have an opportunity to observe and participate in the operation of a boiler in the workplace. This experience will help you relate the theory you learned to an operational plant. It will also help you develop contacts for possible future employment.

WORK 112 Work Placement

Credit Units: 0.0 Course Hours: 60.0

You will spend two weeks gaining experience in the construction industry. This will allow you to apply the technical skills and knowledge you acquired during the program. You will have the opportunity to select a company where you would like to complete your work experience.

WORK 113 Work Experience

Credit Units: 0.0 Course Hours: 60.0

You will spend one week in industry to demonstrate trade and essential workplace skills. Industrial placements provide the learner with on-the-job training and access to potential employment.

WORK 114 Work Experience

Credit Units: 0.0 Course Hours: 30.0

You will participate in a work placement to further your understanding of industry requirements. Your training will be provided by a journeyperson.

WORK 115 Work Experience

Credit Units: 0.0 Course Hours: 80.0

You will participate in a work placement on a construction site to further your understanding of workplace employer needs. You will become familiar with the industry and develop employability skills for the trade.

WORK 117 Work Experience

Credit Units: 0.0 Course Hours: 80.0

You will participate in a work placement to further your understanding of workplace employer needs.

WORK 118 Work Experience

Credit Units: 0.0 Course Hours: 60.0

You will participate in a work placement to further your understanding of workplace employer needs. You will become familiar with the industry and gain practical experience in the ironworker field.

WORK 119 Work Experience

Credit Units: 0.0 Course Hours: 30.0

You will spend one week in industry to demonstrate trade and essential workplace skills. Industrial placements provide the learner with on-the-job training and access to potential employment.

WORK 121 Field Work

Credit Units: 2.0 Course Hours: 30.0

This course exposes the students to actual on-the-job drywalling activities as well as other tasks of the Interior Systems Mechanic. This course provides the student with first-hand experience in the drywall trade.

WORK 125 Work Placement

Credit Units: 0.0 Course Hours: 80.0

You will spend two weeks gaining experience in the construction industry. This will allow you to apply the technical skills and knowledge you acquired during the program. You will have the opportunity to select a company where you would like to complete your work experience.

WORK 126 Work Preparation

Credit Units: 2.0 Course Hours: 30.0

You will develop skills that allow you to successfully compete for jobs in the field of resources, as well as other related careers.

WORK 128 Work Experience

Credit Units: 0.0 Course Hours: 300.0

Prerequisite(s): CAPL 102

You will apply the knowledge and skills you have gained during your classroom based courses in a real world setting. Your role in the work place will be determined by your interests and occupational goals, as well as the needs of your employer. Your work placement will give you the opportunity to show an employer what you can do and how you fit into their organization.

WORK 129 Work Experience

Credit Units: 0.0 Course Hours: 60.0

You will have the opportunity to create a resume, apply job search and job interview skills.You will participate in workplace tours and complete a related practical field experience. The placement offers the unique opportunity to observe and participate in a variety of learning activities related to the field. You will be expected to demonstrate professionalism and ethics in industry settings.

WORK 132 Work Experience

Credit Units: 0.0 Course Hours: 120.0

You will be placed in a typical work situation in industry. You will observe and work with qualified technicians to reinforce content you have previously learned and to become familiar with on-the-job routines and job requirements.

WORK 133 Work Experience

Credit Units: 0.0 Course Hours: 120.0

You will be placed in a typical work situation in industry. You will observe, work with qualified technicians, and demonstrate the skills you have previously learned. You will become familiar with on-the-job routines and job requirements.

WORK 134 Work Experience

Credit Units: 0.0 Course Hours: 120.0

You will be placed in a typical work situation in industry. You will observe and work with qualified technicians. You will demonstrate the previously learned skills and on-the-job routines and job requirements.

WORK 135 Work Experience

Credit Units: 0.0 Course Hours: 40.0

You will participate in a variety of law enforcement agency experiences and perform traffic stops in a simulated environment.

WORK 136 Private Pilot Work Term

Credit Units: 0.0 Course Hours: 240.0

In this work term, you will gain first-hand experience of day-to-day operations at an air transport company. You will work under close supervision and be assigned various tasks necessary to provide the safe and efficient operation of the company.

WORK 137 Industrial Attachment

Credit Units: 0.0 Course Hours: 30.0

Prerequisite(s): (METL 111, METL 112, METL 113, GLAS 120, PNTG 100, PNTG 101), SFTY 126*

You will become familiar with the industry as you spend one week in an auto body repair shop.

WORK 138 Work Experience

Credit Units: 0.0 Course Hours: 75.0

Prerequisite(s): CKNG 152, CKNG 149, CKNG 151, FOOD 102, FOOD 110, FOOD 111, FOOD 112, FOOD 113, FOOD 114, HLTH 200, NUTR 102, NUTR 103, NUTR 105, PLAN 100, PLAN 101, PLAN 179, PROF 101*, SAFE 113, SANT 111, BAKE 105*

You will gain experience through on the job training in a healthcare food service facility. You will have the opportunity to observe and participate in the workplace and practice skills you have acquired throughout the HCC program.

WORK 139 Automotive Painter Work Experience

Credit Units: 0.0 Course Hours: 30.0

Prerequisite(s): JOBS 125*, DOOR 120*, ELEC 120*, INDG 100*, MATH 112*, METL 115*, METL 116*, PLST 120*, PNTG 100*, PNTG 101*, SFTY 126*, SHME 120*

You will become familiar with the industry as you spend one week in an auto body painting shop.

WORK 144 Work Experience 1

Credit Units: 0.0 Course Hours: 75.0

Prerequisite(s): COMM 185

The course provides an introduction to working conditions and activities in an underground mine.

WORK 148 Work Experience 2

Credit Units: 0.0 Course Hours: 75.0

Prerequisite(s): WORK 144

Building on the practical skills and experience you gained in WORK 144 (Work Experience 1), you will have an opportunity to develop your hands-on practical skills and knowledge.

WORK 149 Work Experience

Credit Units: 0.0 Course Hours: 80.0

Equivalent Course(s): WORK 170

You will participate in a work placement to further your understanding of workplace employer needs. You will become familiar with the industry and gain practical experience in the workplace.

WORK 150 Field Experience 1

Credit Units: 0.0 Course Hours: 15.0

You will observe scheduled events in your community under the supervision of peacekeepers or law enforcement personnel. You will submit detailed observation reports of the assigned activities.

WORK 151 Field Experience 2

Credit Units: 0.0 Course Hours: 15.0

You will participate in assigned community activities which will include cultural events, community events, school activities. You will also deliver a presentation on an assigned topic within the community.

WORK 152 Field Experience 3

Credit Units: 0.0 Course Hours: 30.0

Prerequisite(s): LEGL 145

You will apply skills learned in LEGL 145 Criminal Investigation Procedures in a community setting.

WORK 153 Field Experience 4

Credit Units: 0.0 Course Hours: 30.0

You will perform the role of a peacekeeper in your community.

WORK 154 Work Experience

Credit Units: 0.0 Course Hours: 60.0

You will participate in a work experience in a community setting in order to integrate theory and practice in a setting where you perform identified agency tasks.

WORK 154CE Work Experience

Credit Units: 0.0 Course Hours: n/a

Equivalent Course(s): WORK 154

You will participate in a work experience in a community setting in order to integrate theory and practice in a setting where you perform identified agency tasks.

WORK 155 Work Experience

Credit Units: 0.0 Course Hours: 45.0

You will participate in a work experience in a community setting where you will demonstrate effective communication and problem solving skills, and perform assigned security officer functions.

WORK 156 Work Placement

Credit Units: 0.0 Course Hours: 80.0

You will be placed in a typical work situation in industry. Observing and working with qualified mechanics will help you gain insight into work habits, on the job routines, and job requirements.

WORK 168 Work Experience

Credit Units: 0.0 Course Hours: 75.0

You will perform court service administrator functions in a court services setting.

WORK 169 Work Experience

Credit Units: 0.0 Course Hours: 60.0

Prerequisite(s): DRFT 177, MACH 155, MEAS 161, WLDR 153

You will practice your technical workplace skills while maintaining industry-standard communication, safety and quality expectations.

WORK 170 Work Placement

Credit Units: 0.0 Course Hours: 80.0

You will be placed in a typical work situation in industry. Observing and working with qualified mechanics will help you gain insight into work habits, on-the-job routines and job requirements.

WORK 185 Work Experience 1

Credit Units: 0.0 Course Hours: 60.0

Prerequisite(s): SFTY 172

You will have an opportunity to observe and participate in the operation at the plant site. You will investigate the impact of shift work on personal health and wellness. Your studies will be enhanced by real world experience. Your work experience will assist you in building networking opportunities within industry.

WORK 186 Work Experience 2

Credit Units: 0.0 Course Hours: 60.0

Prerequisite(s): WORK 185

You will have the opportunity to observe and participate in the operation of a steam plant. With this additional experience you will gain more insight into the different boilers and equipment. You will expand your work contact base during this work term.

WORK 191 Dealership Work Experience

Credit Units: 0.0 Course Hours: 75.0

You will spend two weeks gaining experience in an agricultural equipment dealership. This will allow you to apply the technical skills and knowledge you acquired during the program. You will have the opportunity to select a company where you would like to complete your work experience.

WORK 192 Core Work Experience

Credit Units: 0.0 Course Hours: 30.0

You will spend one week in an approved funeral home in your community observing practices in providing care of deceased, funeral arrangements and services. You will participate in related duties as assigned by your supervisor and will be expected to demonstrate professionalism at all times.

WORK 192CE Core Work Experience

Credit Units: 0.0 Course Hours: n/a

You will spend one week in an approved funeral home in your community observing practices in providing care of deceased, funeral arrangements and services. You will participate in related duties as assigned by your supervisor and will be expected to demonstrate professionalism at all times.

WORK 194 Library Site Visits

Credit Units: 0.0 Course Hours: 30.0

Prerequisite(s): ORTN 190*

Equivalent Course(s): PRAC 188

You will tour Saskatoon libraries and archives to become better acquainted with standard library operations and responsibilities of library technicians.

WORK 196 Work Experience

Credit Units: 0.0 Course Hours: 145.0

You will get an opportunity to apply the theory learned in the classroom to the mine site, learn site-specific on-the-job procedures, experience mining camp life, and demonstrate your suitability for employment.

WORK 197 Work Experience

Credit Units: 0.0 Course Hours: 240

You will use the knowledge and skills developed in the first year of your studies in an actual professional work environment.

WORK 198 Work Experience

Credit Units: 0.0 Course Hours: 30.0

This course will cover the practices and procedures for material movement in a warehouse or parts distribution facility with focus on theory and practical operations of various material handling equipment movement of material efficiently within the design and spatial requirements of the facility.

WORK 198CE Work Experience

Credit Units: 0.0 Course Hours: n/a

This course will cover the practices and procedures for material movement in a warehouse or parts distribution facility with focus on theory and practical operations of various material handling equipment movement of material efficiently within the design and spatial requirements of the facility.

WORK 201 Work Experience

Credit Units: 0.0 Course Hours: 120.0

Prerequisite(s): AUDI 203, VDEO 207, (VDEO 204 or VDEO 205 or VDEO 206)

You will observe, practice and work in a media production environment. This experiential learning will complement your education and practical skills training. *Note: Students must complete either WORK 201-Work Experience or PROJ 207-Client Directed Project.

WORK 203 Practicum

Credit Units: 0.0 Course Hours: 160.0

Prerequisite(s): COMP 174, CHEM 152, CHEM 179, CHEM 295, CHEM 282, LABT 152, LABT 154, MATH 192, MATH 289, PHYS 106, SFTY 185, STAT 281

Corequisite(s): COMM 289, PROJ 290

You will work in an organization to complete a research project. You will work with a chemist, chemical engineer, or chemical technologist to design the experiments and manage the project. You will maintain a logbook, use statistical tools to assess your results and troubleshoot minor equipment problems. You will demonstrate good communication skills and work as a team member. You will demonstrate responsibility, initiative and accountability.

WORK 204 Commercial Pilot Work Term

Credit Units: 0.0 Course Hours: 240.0

In this work term, you will gain first-hand experience of day to day operations at an air transport company. You will be participating in advanced operations. You will plan and execute various tasks to apply your training to real industry activities.

WORK 285 Work Experience 1

Credit Units: 0.0 Course Hours: 105.0

Prerequisite(s): WORK 194, LIB 196

Equivalent Course(s): PRAC 111

You will participate in a three-week supervised work placement in a library. The tasks assigned will be typical of a library technician and within your educational experience. Depending on the hours of the particular library, you may experience shift and weekend work.

WORK 286 Work Experience 2

Credit Units: 0.0 Course Hours: 105.0

Prerequisite(s): WORK 285, LIB 290

Equivalent Course(s): PRAC 112

You will participate in a three-week supervised work placement in a library. The tasks assigned will be typical of a library technician and within your educational experience. Depending on the hours of the particular library, you may experience shift and weekend work.

WORK 300 Work Experience

Credit Units: 0.0 Course Hours: 160.0

Prerequisite(s): GRPH 231

You will apply the knowledge and skills you have gained during your classroom-based courses in a real-world setting. Your role in the workplace will be determined by your interests and occupational goals, as well as the needs of your employer. Your work experience will give you the opportunity to show an employer what you can do and how you fit into their organization.

WORK 302 Work-Integrated Learning

Credit Units: 0.0 Course Hours: 480.0

Your work-integrated learning experience will provide you with the opportunity to consolidate theoretical and practical concepts from the Construction Management program. You will gain valuable experience about the Canadian construction industry.

WORK 402 Work Experience

Credit Units: 0.0 Course Hours: 180.0

Equivalent Course(s): WORK 440

You will participate in and report on a minimum six-week work experience in the field of resource and/or environmental law enforcement. The work experience provides you with an opportunity to apply the skills and knowledge you learned in the classroom.

WORK 403 Work Experience

Credit Units: 0.0 Course Hours: 180.0

You will participate in and report on a six-week work experience. You will apply and demonstrate your knowledge and skills in the field of natural resource management.

WORK 404 Consolidated Collaborative Work Experience

Credit Units: 0.0 Course Hours: 140.0

Prerequisite(s): PSYN 208, PSYN 300, PSYN 303, PSYN 304, PSYN 308, ENGL 100, STAT 202, (PSYN 209, PSYN 210, PSYN 307, SOCI 200 or PSYN 309), (SOCI 100 or PSYC 101)

You will demonstrate synthesis and application of the Bachelor of Psychiatric Nursing program's theoretical concepts in a mutually agreed upon work experience related to either education, research or leadership and management. You will demonstrate relevant psychiatric nursing competencies.

WRHS 180 Program to Industry Orientation

Credit Units: 1.0 Course Hours: 10.0

Prerequisite(s): MATE 186*, EQPT 191*, FIRE 180*, MATE 183*, PART 198*, SFTY 186*, WRHS 181*, WRHS 182*, COMM 127*, SFTY 197*

You will learn the duties for working in shipping and receiving areas through the use of lectures, tours and speakers from industry.

WRHS 181 Warehouse Systems

Credit Units: 1.0 Course Hours: 20.0

Equivalent Course(s): PART 197

You will develop a working knowledge of warehouse system method, security and document tracking systems.

WRHS 182 Warehouse Productivity

Credit Units: 1.0 Course Hours: 10.0

You will learn how a warehouse is designed to facilitate the prioritizing of product movement and time management. You will learn how a warehouse can be more productive.

WTER 100 Water Treatment 1

Credit Units: 1.0 Course Hours: 15.0

You will be introduced to basic methods utilized in power plants to prepare and maintain water used in steam generation. You will practice your skills by operating a low pressure power plant.

WTER 130 Water Treatment 1

Credit Units: 5.0 Course Hours: 80.0

Your studies will focus on the basics of conventional water treatment. You will become familiar with the processes of surface water treatment, reservoir management, coagulation and flocculation, sedimentation, filtration, disinfection, taste and odour control, corrosions control. The course includes a mathematics review.

WTER 130CE Water Treatment 1

Credit Units: 5.0 Course Hours: n/a

Your studies will focus on the basics of conventional water treatment. You will become familiar with the processes of surface water treatment, reservoir management, coagulation and flocculation, sedimentation, filtration, disinfection, taste and odour control, corrosions control. The course includes a mathematics review.

WTER 131 Water Treatment 2

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): WTER 130

You will build on the skills you gained in WTER 130 and will continue your studies in surface water and groundwater treatment. Your studies will include iron, manganese and trihalomethane control, fluoridation, softening, plant waste disposal, maintenance and instrumentation.

WTER 131CE Water Treatment 2

Credit Units: 5.0 Course Hours: n/a

Prerequisite(s): WTER 130

You will build on the skills you gained in WTER 130 and will continue your studies in surface water and groundwater treatment. Your studies will include iron, manganese and trihalomethane control, fluoridation, softening, plant waste disposal, maintenance and instrumentation.

WTER 132 Water Distribution 1

Credit Units: 3.0 Course Hours: 45.0

You will become familiar with the processes of water distribution. Your studies will focus on the installation, inspection, operation, maintenance, and repair of water distribution systems.

WTER 132CE Water Distribution 1

Credit Units: 3.0 Course Hours: n/a

You will become familiar with the processes of water distribution. Your studies will focus on the installation, inspection, operation, maintenance, and repair of water distribution systems.

WTER 133 Water Distribution 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): WTER 132

You will build on skills you gained in WTER 132 to study operation and maintenance of water distribution systems. Your studies will focus on safe practices and procedures, disinfection of new and repaired facilities, taste and odour control, corrosion control and water distribution system management.

WTER 133CE Water Distribution 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): WTER 132

You will build on skills you gained in WTER 132 to study operation and maintenance of water distribution systems. Your studies will focus on safe practices and procedures, disinfection of new and repaired facilities, taste and odour control, corrosion control and water distribution system management.

WTER 134 Wastewater Collection 1

Credit Units: 4.0 Course Hours: 60.0

Your studies will focus on the aspects of operating and maintaining wastewater collection systems. You will examine the processes of wastewater collection as well as the need for collection system operation and maintenance. You will study safety procedures required for construction, inspection and testing of sewers, the inspection of manholes and underground construction and repair.

WTER 134CE Wastewater Collection 1

Credit Units: 4.0 Course Hours: n/a

Your studies will focus on the aspects of operating and maintaining wastewater collection systems. You will examine the processes of wastewater collection as well as the need for collection system operation and maintenance. You will study safety procedures required for construction, inspection and testing of sewers, the inspection of manholes and underground construction and repair.

WTER 135 Wastewater Collection 2

Credit Units: 4.0 Course Hours: 60.0

Prerequisite(s): WTER 134

You will build on skills you gained in WTER 134 and will study the operation, maintenance and management of wastewater collection systems with an emphasis on safe practices and procedures. You will examine the operation of lift stations, operation and maintenance of pumps, valves and motors as well as sewer rehabilitation.

WTER 135CE Wastewater Collection 2

Credit Units: 4.0 Course Hours: n/a

Prerequisite(s): WTER 134

You will build on skills you gained in WTER 134 and will study the operation, maintenance and management of wastewater collection systems with an emphasis on safe practices and procedures. You will examine the operation of lift stations, operation and maintenance of pumps, valves and motors as well as sewer rehabilitation.

WTER 136 Wastewater Treatment 1

Credit Units: 5.0 Course Hours: 80.0

Your studies will focus on the basics of conventional wastewater treatment. You will examine the uses of racks, screens and sedimentation tanks. You will discuss the processes of sedimentation, floatation, trickling filters, rotating biological contactors, activated sludge, oxidation ditches and ponds and disinfection.

WTER 136CE Wastewater Treatment 1

Credit Units: 5.0 Course Hours: n/a

Your studies will focus on the basics of conventional wastewater treatment. You will examine the uses of racks, screens and sedimentation tanks. You will discuss the processes of sedimentation, floatation, trickling filters, rotating biological contactors, activated sludge, oxidation ditches and ponds and disinfection.

WTER 137 Wastewater Treatment 2

Credit Units: 5.0 Course Hours: 80.0

Prerequisite(s): WTER 136

You will build on the skills you gained in WTER 136 and will examine conventional activated sludge, sludge digestion, solids handling, and effluent disposal. You will also examine the operation, maintenance and management of a wastewater treatment plant with an emphasis on safe practices and procedures.

WTER 137CE Wastewater Treatment 2

Credit Units: 5.0 Course Hours: n/a

Prerequisite(s): WTER 136

You will build on the skills you gained in WTER 136 and will examine conventional activated sludge, sludge digestion, solids handling, and effluent disposal. You will also examine the operation, maintenance and management of a wastewater treatment plant with an emphasis on safe practices and procedures.

WTER 182 Water Treatment (4th Class)

Credit Units: 2.0 Course Hours: 30.0

You will study the basic methods utilized to prepare and maintain the water used in steam generation and its auxiliary equipment.

WTER 200 Water Management

Credit Units: 3.0 Course Hours: 45.0

You will learn how water is managed at federal, provincial and municipal levels. With an emphasis on how water is valued, you will learn how decisions are made to protect consumptive and non-consumptive uses and how watershed planning is used to protect the quality of water.

WTER 226 Organic Chemistry

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): (LABS 220 or LABS 202)

You will study the general principles of organic chemistry and the importance of microbiology as they apply to water quality, environmental monitoring, control and analysis. You will apply these theories to proper sampling protocol and laboratory analysis, with an emphasis on interpreting the laboratory results.

WTER 230 Water Chemistry 1

Credit Units: 5.0 Course Hours: 68.0

Prerequisite(s): MAT 101, MEAS 106, (LABS 202* or LABS 220*)

You will study the general principles of chemistry and chemical calculations. Stoichiometry, concentration determination, equilibrium, acid-base chemistry, pH, volumetric and gravimetric analysis, and interpreting quantitative results with regard to accepted standards will be emphasized.

WTER 231 Watershed Management

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): TERR 101, TERR 102

Corequisite(s): HYDO 228

You will study how water is managed at federal, provincial and municipal levels. You will focus on how water is valued, and how decisions are made to protect consumptive and non-consumptive uses and how watershed planning is used to protect the quality of water.

WTER 232 Water and Wastewater

Credit Units: 3.0 Course Hours: 45.0

Corequisite(s): CHEM 200

You will study common and advanced unit processes utilized in water and wastewater treatment. You will examine detailed physical, chemical and biological treatments utilizing information and skills in water chemistry and water and wastewater treatment. You will design components in a water/wastewater treatment plant. You will incorporate regulatory guidelines and industry standards into the design portion of the project.

WTER 233 Water and Wastewater

Credit Units: 2.0 Course Hours: 30.0

Equivalent Course(s): WTER 232

You will study common and advanced unit processes utilized in water and wastewater treatment. You will analyze physical, chemical and biological treatments utilizing information and skills in water chemistry and water and wastewater treatment. You will study regulatory guidelines and industry standards.

WTER 280 Water Treatment (3rd Class)

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): WTER 182

You will study internal and external water treatment processes. You will examine external treating process to gain an understanding of wastewater treatment.

WTER 282 Water Treatment (2nd Class)

Credit Units: 2.0 Course Hours: 30.0

Prerequisite(s): WTER 280

You will learn about the need for and the methods used to treat water in large power plants. You will learn to use instruments in order to detect problems, take samples and measure chemical levels. You will study treatment and testing methods for cooling water, industrial waste treatment and potable water.

Course Descriptions Y

YCW 187 Youth Care Practices 1

Credit Units: 3.0 Course Hours: 45.0

You will be introduced to the assumptions, values, ethics and laws that provide the basis for working with youth and families. You will develop awareness of your professional role and boundaries in maintaining effective helping relationships. You will apply the problem solving process to client situations.

YCW 187CE Youth Care Practices 1

Credit Units: 3.0 Course Hours: n/a

You will be introduced to the assumptions, values, ethics and laws that provide the basis for working with youth and families. You will develop awareness of your professional role and boundaries in maintaining effective helping relationships. You will apply the problem solving process to client situations.

YCW 188 Therapeutic Activities

Credit Units: 3.0 Course Hours: 40.0

Equivalent Course(s): REC 184

You will examine the role of the youth care worker in planning and implementing culturally and developmentally appropriate activities for youth and families at risk. In the role of the Youth Care Worker, you will develop, implement, and evaluate individual and group activities, aboriginal cultural activities, and activities that involve the use of social media.

YCW 188CE Therapeutic Activities

Credit Units: 3.0 Course Hours: n/a

You will examine the role of the youth care worker in planning and implementing culturally and developmentally appropriate activities for youth and families at risk. In the role of the Youth Care Worker, you will develop, implement, and evaluate individual and group activities, aboriginal cultural activities, and activities that involve the use of social media.

YCW 189 Indigenous Awareness

Credit Units: 3.0 Course Hours: 45.0

You will receive an introduction to First Nations and Métis Nations of Canada. You will examine historical and current issues that affect Indigenous peoples. You will explore racism and will develop an understanding of how self-awareness impacts helping relationships.

YCW 189CE Aboriginal Awareness

Credit Units: 3.0 Course Hours: n/a

You will receive an introduction to First Nations and Métis Nations of Canada. You will examine historical and current issues that affect Indigenous peoples. You will explore racism and will develop an understanding of how self-awareness impacts helping relationships.

YCW 281 Youth Care Practices 2

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 385

You will focus on the role of community development as a tool to improve service for youth. You will learn how to advocate for change and manage barriers that impede effective service delivery.

YCW 281CE Youth Care Practices 2

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 385

You will focus on the role of community development as a tool to improve service for youth. You will learn how to advocate for change and manage barriers that impede effective service delivery.

YCW 282 Family Systems

Credit Units: 3.0 Course Hours: 45.0

You will examine the structure and patterns of family life in the context of Canadian cultural and societal diversity. You will identify and discuss issues that impact family functioning. You will use strength based assessments, interventions, and strategies that promote resilience and healthy family life while in the role of a youth care worker.

YCW 282CE Family Systems

Credit Units: 3.0 Course Hours: n/a

You will examine the structure and patterns of family life in the context of Canadian cultural and societal diversity. You will identify and discuss issues that impact family functioning. You will use strength based assessments, interventions, and strategies that promote resilience and healthy family life while in the role of a youth care worker.

YCW 283 Sexual Victimization

Credit Units: 3.0 Course Hours: 40.0

Prerequisite(s): PRAC 385

You will focus on the scope and characteristics of sexual violence in Canada. You will learn to identify indicators of sexual abuse, the impact on the victim and family and the recovery process. You will study the importance of self-awareness and self-care.

YCW 283CE Sexual Victimization

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 385

You will focus on the scope and characteristics of sexual violence in Canada. You will learn to identify indicators of sexual abuse, the impact on the victim and family and the recovery process. You will study the importance of self-awareness and self-care.

YCW 284 Addictions

Credit Units: 3.0 Course Hours: 45.0

You will examine historical trends and perspectives of addictive behaviours and interventions, with a focus on substance, gambling, and sexual addictions. You will identify drug classifications and the impact of addiction on family functioning. You will learn about prevention, intervention, and treatment options.

YCW 284CE Addictions

Credit Units: 3.0 Course Hours: n/a

You will examine historical trends and perspectives of addictive behaviours and interventions, with a focus on substance, gambling, and sexual addictions. You will identify drug classifications and the impact of addiction on family functioning. You will learn about prevention, intervention, and treatment options.

YCW 285 Conflict Resolution

Credit Units: 3.0 Course Hours: 45.0

Prerequisite(s): PRAC 385

You will be introduced to conflict theory and to approaches of resolving interpersonal conflict. You will examine the model of Interest Based Conflict Resolution. You will act as a mediator by applying the stages of the model. You will examine the process of mediation, family conferencing and community-based restorative justice in the criminal justice system.

YCW 285CE Conflict Resolution

Credit Units: 3.0 Course Hours: n/a

Prerequisite(s): PRAC 385

You will be introduced to conflict theory and to approaches of resolving interpersonal conflict. You will examine the model of Interest Based Conflict Resolution. You will act as a mediator by applying the stages of the model. You will examine the process of mediation, family conferencing and community-based restorative justice in the criminal justice system.