



# Veterinary Technology Diploma

## PLAR Candidate Guide

Prior Learning Assessment and Recognition (PLAR)

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### Prior learning credit options at Saskatchewan Polytechnic

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See [Get Credit for What you Know](#) for important information about all options to get credit for prior learning at Sask Polytech, including PLAR, transfer credit, Canadian Armed Forces credit, and equivalency credit.

### How to navigate this document

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This document contains links to other document sections or webpages. To return to where you were from another section in this document, press the *ALT* key and *left arrow* key at the same time. To return to this webpage from another webpage, close the other webpage or click back on the browser tab for this document.

### Contents of this guide

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This guide contains the following specific PLAR information and tools for this program

- A. [PLAR fees](#)
- B. [PLAR eligibility and options](#)
- C. [Dates when PLAR assessment is available](#)
- D. [Special directions for this program](#)
- E. [PLAR contact person](#)
- F. [Self-rating course outlines](#)

## A. PLAR fees

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Fees for PLAR challenges are set to cover our costs for consultation, assessment, and related administrative tasks. PLAR fees are non-refundable and non-transferrable.

The PLAR fees policy is subject to change for each new academic year. Please see the **Cost** section on the [PLAR webpage](#) for current fee information.

## B. PLAR eligibility and options

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To be eligible for PLAR for courses in this program, you must first apply for admission and be accepted into the program. You must also consult with the [PLAR contact person](#) and be approved for PLAR assessment.

Note: Some courses require specialized equipment and materials to assess.

## C. Dates when PLAR assessment is available

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PLAR assessment for this program is available from Sept 1 to June 15 in each academic year.

**All PLAR assessments must be completed by June 15 of each academic year.**

## D. Special directions for this program

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1. **Review** the [PLAR process and FAQs](#) and the information in this guide.
2. **Self-rate** your learning for each course using the [Course Outlines](#) in this guide.
3. **Consult** with the [PLAR contact person](#) for PLAR approval. Be prepared to provide your resume, course self-ratings (see [section F](#)), and a partially completed [PLAR application](#). If you are approved for PLAR, the contact person will sign your PLAR application and explain next steps.
4. Apply for admission to the program. See [program page](#) for more information.
5. **Register** for PLAR at [Registration/Enrolment Services](#) once you have signed approval on your [PLAR Application Form](#). The PLAR fee will be added to your student account.
6. **Finalize** an assessment plan with your assigned assessor.
7. **Complete** assessment before your PLAR registration expires.

## E. PLAR contact person

Contact one of the Program Heads below to arrange a consultation **after** you have read this guide and [general PLAR information](#) and rated yourself for each course (see next section). Consultation may be by phone, online, or in person. Be prepared to provide your resume, course self-ratings, and a partially completed [PLAR application](#). If agreement is reached to go ahead with PLAR, the contact person will sign approval on your PLAR application and explain the next steps. Admission to the program is required before you can register for PLAR.

**Cairo Olver, Program Head**  
Saskatchewan Polytechnic, Saskatoon Campus  
Phone: 306 – 659 - 4259  
Email: [olverc@saskpolytech.ca](mailto:olverc@saskpolytech.ca)

## F. Self-rating course outlines

Clicking on a course code below opens a page where you can rate yourself on the knowledge and skills assessed for PLAR credit. For Arts & Sciences courses, clicking on the course code opens another PLAR guide. The [PLAR contact person](#) for this program will refer you to another person to discuss PLAR for courses delivered by Arts & Sciences or another program/department.

COURSE CODE	COURSE NAME	Delivered by another department/program
<b>Semester 1</b>		
<a href="#">APHY 101</a>	Anatomy and Physiology 1 (Theory)	
<a href="#">APHY 102</a>	Anatomy and Physiology 1 (Lab)	
<a href="#">MATH 280</a>	Mathematics for Veterinary Technology	<a href="#">Arts &amp; Sciences</a>
<a href="#">VETR 184</a>	Animal Production and Livestock Tours	
<a href="#">VETR 187</a>	Animal Behaviour	
<a href="#">VETR 188</a>	Veterinary Medical Terminology	
<b>Semester 2</b>		
<a href="#">ANIM 282</a>	Large Animal Skills 1	
<a href="#">APHY 104</a>	Anatomy and Physiology 2	
<a href="#">COMM 291</a>	Interpersonal Communications	<a href="#">Continuing Care Assistant</a>
<a href="#">INDG 100</a>	Introduction to Indigenous Studies	<a href="#">Arts &amp; Sciences</a>

COURSE CODE	COURSE NAME	Delivered by another department/program
<a href="#">RDGR 183</a>	Diagnostic Imaging 1	
<a href="#">VETR 287</a>	Clinical Rotations 2	
<b>Semester 3</b>		
<a href="#">VETR 191</a>	Large Animal health and Medicine	
<a href="#">VETR 288</a>	Seminars	
<b>Semester 4</b>		
<a href="#">PHAR 203</a>	Veterinary Pharmacology	
<a href="#">GENE 182</a>	Veterinary Genetics	
<a href="#">IMMU 281</a>	Applied Immunology	
<a href="#">NUTR 200</a>	Animal Nutrition	
<a href="#">VETR 100</a>	Animal Diseases	
<a href="#">VETR 192</a>	Veterinary Office	
<a href="#">VETR 286</a>	Veterinary Technology Dentistry	
<a href="#">PRST 280</a>	Veterinary Parasitology	

**APHY 101 - Anatomy and Physiology 1 – Theory**

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.

**Credit unit(s):** 3.0  
**Prerequisites:** none  
**Corequisites:** APHY 102  
**Equivalent course(s):** APHY 190

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Describe basic anatomical terminology and the major body systems.			
2. Explain the structure and function of the cell.			
3. Describe the structure, related function, and location of the four primary tissue types.			
4. Explain the structure and function of bones in the body.			
5. Explain the structure and function of the three muscle types.			
6. Describe the musculoskeletal system of common domestic species.			
7. Describe the structure and function of the cardiovascular system of common domestic species.			
8. Describe the structure and function of the respiratory system of common domestic species.			
9. Describe the structure and function of the integument and related structures.			

**APHY 102 - Anatomy and Physiology 1 – Lab**

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.

**Credit unit(s):** 2.0  
**Prerequisites:** APHY 101  
**Corequisites:** none  
**Equivalent course(s):** APHY 190

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	<b>Competent</b>	<b>Learning</b>	<b>None</b>
1. Demonstrate localization (of a structure, marker, or lesion) using directional terminology.			
2. Describe the major bones and joints of domestic animals.			
3. Describe the location and features of muscles of veterinary importance.			
4. Describe the structure and function of the cardiovascular system of domestic animals.			
5. Describe the structure and function of the respiratory system of domestic animals.			
6. Describe the structure and function of the integument and related structures.			

**MATH 280 - Mathematics for Veterinary Technology**

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.

**Credit unit(s):** 3.0  
**Prerequisites:** none  
**Corequisites:** none  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	<b>Competent</b>	<b>Learning</b>	<b>None</b>
1. Apply basic mathematics			
2. Calculate dilutions.			
3. Calculate solutions.			
4. Interpret graphs.			
5. Use dimensional analysis to convert units to perform drug dosage calculations and to determine IV flow rates.			
6. Analyze descriptive statistics in a veterinary medical environment.			

**VETR 184 - Veterinary Tours**

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.

**Credit unit(s):** 1.0  
**Prerequisites:** VETR 188  
**Corequisites:** none  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Describe dairy, beef, poultry, swine, and equine production.			
2. Identify valid sources of information referencing with respect to animal and veterinary sciences.			
3. Demonstrate integration of information in the form of written reports.			

**VETR 187 - Animal Behaviour**

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.

**Credit unit(s):** 2.0  
**Prerequisites:** none  
**Corequisites:** VETR 188  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Discuss principles of normal animal behaviour.			
2. Discuss normal and abnormal social behaviours in domestic animals.			
3. Discuss reproductive and maternal behaviours in domestic animals.			
4. Discuss behavioural based handling.			
5. Discuss methods of behaviour modification and handling.			
6. Identify the link between animal behaviour and animal welfare.			

**VETR 188 - Veterinary Medical Terminology**

You will learn to use the prefixes, suffixes, and combining forms from which veterinary medical terms are derived, as well as the correct way to use medical abbreviations. You will also learn how to translate veterinary medical terminology for use with clients.

**Credit unit(s):** 1.0  
**Prerequisites:** none  
**Corequisites:** none  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Use basic veterinary medical terminology.			
2. Determine meanings of novel terms from Latin and Greek roots.			

**ANIM 282 - Large Animal Skills 1**

You will learn about basic husbandry and production models of cattle, horses, small ruminants, and swine. 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.

**Credit unit(s):** 2.0  
**Prerequisites:** VETR 187, APHY 101, APHY 102, VETR 182, VETR 184  
**Corequisites:** APHY 104  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Observe a swine commercial facility.			
2. Describe identifying characteristics of cattle, horses, small ruminants, and swine.			
3. Describe basic large animal husbandry and production models.			
4. Perform handling and common clinical procedures in equine.			
5. Perform handling and common clinical procedures in cattle.			
6. Perform handling and common clinical procedures in small ruminants.			

**APHY 104 - Anatomy and Physiology 2**

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.

**Credit unit(s):** 4.0  
**Prerequisites:** APHY 101, APHY 102  
**Corequisites:** none  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	<b>Competent</b>	<b>Learning</b>	<b>None</b>
7. Demonstrate the structure and function of the digestive systems of common domestic species.			
8. Demonstrate the structure and function of the endocrine system.			
9. Demonstrate structure and function of blood and the lymphatic system.			
10. Demonstrate structures of the nervous system.			
11. Demonstrate the structure and function of the mammalian sensory system.			
12. Demonstrate the structure and function of the urinary system.			
13. Demonstrate the structure and function of the reproductive system of common domestic species.			

### COMM 291 - Interpersonal Communications

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.

**Credit unit(s):** 2.0  
**Prerequisites:** none  
**Corequisites:** none  
**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

<p>Use a checkmark (✓) to rate yourself as follows for each learning outcome</p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Describe interpersonal communication.			
2. Describe how self-concept and perception affect communication.			
3. Discuss verbal and nonverbal messages.			
4. Discuss factors affecting communication climates.			
5. Apply skills to improve communication.			

**INDG 100 - Introduction to Indigenous Studies**

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.

**Credit unit(s):** 1.0  
**Prerequisites:** none  
**Corequisites:** none  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Describe Indigenous nations of Saskatchewan.			
2. Explain how colonization has impacted Indigenous peoples.			
3. Discuss current issues and possible solutions.			

### RDGR 183 - Diagnostic Imaging 1

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.

**Credit unit(s):** 4.0  
**Prerequisites:** APHY 101, APHY 102, VETR 182, VETR 187, CHEM 101  
**Corequisites:** APHY 104  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	<b>Competent</b>	<b>Learning</b>	<b>None</b>
1. Apply principles of radiation safety.			
2. Create diagnostic small animal images.			
3. Create diagnostic large animal images.			
4. Create canine and feline dental radiographs			
5. Appraise film, computed, and digital radiography			
6. Use a variable kilovolt potential technique chart.			
7. Discuss radiographic techniques for exotic species.			
8. Complete a common contrast study procedure.			
9. Examine alternative imaging techniques.			

**VETR 191 - Large Animal Health and Medicine**

Your studies will cover principles of herd health and specific disease conditions in dairy and feedlot cattle, horses and small ruminants.

**Credit unit(s):** .0  
**Prerequisites:** ANIM 282, MICR 186, VETR 100, VETR 184, APHY 104, VETR 190  
**Corequisites:** GENE 182, IMMUN 281  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Discuss herd health.			
2. Discuss common medical and surgical conditions of cattle.			
3. Perform common bovine procedures on models.			
4. Discuss common medical and surgical conditions of horses.			
5. Perform common equine procedures on models.			
6. Discuss common medical and surgical conditions of small ruminants.			
7. Distinguish the role of the veterinary technologist in large animal health and production settings.			

## VETR 287 - Clinical Rotations 2

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.

**Credit unit(s):** 4.0  
**Prerequisites:** APHY 101 APHY 102 VETR 186 VETR 182 VETR 183 VETR 187 VETR 188 MATH 280  
**Corequisites:** APHY 104 RDGR 183 VETR 100 VETR 190  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Develop characteristics of professionalism.			
2. Perform effective veterinary team communication.			
3. Apply safety practices used in clinics.			
4. Assist with wellness and sick exams.			
5. Practice physical exam techniques.			
6. Practice patient histories and discharge instructions.			
7. Practice exam room management			
8. Maintain clinic hygiene.			
9. Assist with nursing care and technical tasks as directed.			
10. Assist with diagnostic imaging procedures.			
11. Observe anesthesia and surgery.			
12. Assist with peri-operative nursing care as directed.			

**VETR 288 - Seminars**

You will be introduced to current topics related to veterinary medicine including non-traditional opportunities, ancillary industries, ecology, rural and remote veterinary medicine, and One Health. You will use referencing and research skills to write reports on seminar topics..

**Credit unit(s):** 1.0  
**Prerequisites:** VETR 184  
**Corequisites:** none  
**Equivalent course(s):** none

Use a checkmark (✓) to rate yourself as follows for each learning outcome		Competent	Learning	None
<b>Competent:</b>	I can apply this outcome without direction or supervision.			
<b>Learning:</b>	I am still learning skills and knowledge to apply this outcome.			
<b>None:</b>	I have no knowledge or experience related to this outcome.			
1.	Examine the importance of communication and alternative employment opportunities in the veterinary industry.			
2.	Discuss topics in ecology, Indigenization, and One Health.			
3.	Discuss topics in veterinary and animal science.			

**PHAR 203 - Veterinary Pharmacology**

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.

**Credit unit(s):** 3.0  
**Prerequisites:** IMMU 281, VETR 191, VETR 200(concurrent)  
**Corequisites:** VETR 290  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Describe routes of drug administration and how they affect plasma drug levels and therapeutic index.			
2. Discuss the components of pharmacokinetics and pharmacodynamics.			
3. Describe commonly used antimicrobial drugs.			
4. Describe the two main classes of anti-inflammatory drugs.			
5. Describe autonomic nervous system, cardiovascular, and respiratory drugs.			
6. Describe commonly used veterinary drugs.			

**GENE 182 - Veterinary Genetics**

You will study transmission genetics, inheritance, pedigree, cell division, breed identification and the nature of genetic information.

**Credit unit(s):** 2.0  
**Prerequisites:** none  
**Corequisites:** none  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Explain the principles of transmission genetics and inheritance.			
2. Identify the principles of cellular division as it relates to inheritance.			
3. Analyze breeding outcomes with respect to traits.			
4. Examine principles of chromosomal sex determination and sex linkages.			
5. Recognize breeds of common species relevant to veterinary medicine.			

**IMMU 281 - Applied Immunology**

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.

**Credit unit(s):** 2.0  
**Prerequisites:** none  
**Corequisites:** none  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Describe innate and adaptive immunity.			
2. Describe various immunological pathologies.			
3. Describe the types of vaccines and vaccine protocols.			
4. Describe maternal and neonatal immunity.			

**NUTR 200 - Animal Nutrition**

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.

**Credit unit(s):** 2.0  
**Prerequisites:** none  
**Corequisites:** none

Equivalent course(s): none

<b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b>  <b>Competent:</b> I can apply this outcome without direction or supervision. <b>Learning:</b> I am still learning skills and knowledge to apply this outcome. <b>None:</b> I have no knowledge or experience related to this outcome.	<b>Competent</b>	<b>Learning</b>	<b>None</b>
1. Describe basic nutritional requirements of domestic animals.			
2. Demonstrate appropriate nutrition for horses and cattle.			
3. Demonstrate appropriate nutrition for cats and dogs.			
4. Identify various animal nutrition companies and products used in veterinary clinics.			
5. Apply characteristics of specialty and prescription diets to disease conditions of small animals.			

### VETR 100 - Animal Diseases

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.

**Credit unit(s):** 2.0  
**Prerequisites:** none  
**Corequisites:** none  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	<b>Competent</b>	<b>Learning</b>	<b>None</b>
1. Describe the principles of diagnosis, prognosis, and treatment.			
2. Describe the principles of wound management and healing.			
3. Examine dehydration and homeostatic disorders and how to treat them.			
4. Describe shock, cardiovascular, and respiratory disease.			
5. Describe principles of gastrointestinal disease.			
6. Implement knowledge to triage patients.			

**VETR 192 - Veterinary Office**

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.

**Credit unit(s):** 2.0  
**Prerequisites:** none  
**Corequisites:** none  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Describe the regulation of veterinary information management.			
2. Construct a medical record using a SOAP (Subjective Objective Assessment Plan).			
3. Manage client and patient information and scheduling.			
4. Prepare canine and feline vaccine certificates including rabies.			
5. Prepare invoices.			
6. Examine different methods of inventory control and costing.			

**VETR 286 - Veterinary Technology Dentistry**

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.

**Credit unit(s):** 2.0  
**Prerequisites:** none  
**Corequisites:** none  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Demonstrate basic oral anatomy.			
2. Describe dental abnormalities and pathologies.			
3. Demonstrate maintenance and care of dental equipment and instruments.			
4. Create diagnostic dental radiographs.			
5. Perform small animal dentistry.			
6. Describe the steps of a dental prophylaxis including client education and homecare.			

**PRST 280 - Veterinary Parasitology**

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.

**Credit unit(s):** 3.0  
**Prerequisites:** MICR 186  
**Corequisites:** none  
**Equivalent course(s):** none

<p><b>Use a checkmark (✓) to rate yourself as follows for each learning outcome</b></p> <p><b>Competent:</b> I can apply this outcome without direction or supervision.  <b>Learning:</b> I am still learning skills and knowledge to apply this outcome.  <b>None:</b> I have no knowledge or experience related to this outcome.</p>	Competent	Learning	None
1. Describe the key features of nematodes affecting domestic animals.			
2. Describe the key features of cestodes affecting domestic animals.			
3. Describe the key features of trematodes affecting domestic animals.			
4. Describe the key features of protozoa affecting domestic animals.			
5. Describe the key features of arthropods affecting domestic animals.			
6. Discuss anti-parasitic drugs and protocols.			
7. Perform parasite identification and diagnostic tests.			