Innovative Manufacturing

PLAR Candidate Guide

Prior Learning Assessment and Recognition (PLAR)

SASKATCHEWAN POLYTECHNIC

Tomorrow in the making.

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The Innovative Manufacturing (Diploma) program is committed to assessing and awarding credit for students' existing knowledge and skills that closely match the learning outcomes of one or more of our courses. Fair, valid, and flexible assessment methods can be applied to award credit for prior learning acquired through post-secondary education, workplace training, and informal learning.

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Table of Contents

Introduction

Before reading this guide, be sure you are familiar with the PLAR 8-step process and FAQs for Saskatchewan Polytechnic. You will need both general information about PLAR and specific information for this program to successfully navigate the PLAR process.

It is your responsibility to be fully informed **before** you contact a program's designated PLAR consultant. Use the self-rating checklist below to check whether you understand the PLAR basics before you review details for this program. This is an example of self-rating checklists found in this guide to assess your level of knowledge for courses in this program.

Self-rate your general knowledge of PLAR at Saskatchewan Polytechnic

Use this checklist to rate your knowledge for each of the following learning outcomes

General PLAR Knowledge **Competent**: I know this well enough to explain it to someone else. **Learning**: I am somewhat familiar with this but need more review. **None**: I have no knowledge related to this outcome.	**Competent**	**Learning**	**None**
1. Identify the common steps involved in a PLAR challenge			
2. Describe the kinds of learning that can be assessed by PLAR			
3. Describe methods that are used to assess learning for PLAR			
4. Discuss the differences between PLAR and transfer credit			
5. Identify potential benefits of doing a PLAR challenge			
6. Identify potential risks of doing a PLAR challenge			
7. Describe how to request disability accommodations for assessment			
8. Identify strategies to improve success for PLAR challenges			
9. Identify who should consider PLAR			
10. Discuss who should be cautious about PLAR and why			
11. Describe common eligibility criteria for PLAR			
12. Explain how PLAR fees are determined			
13. Discuss factors that affect the time required for PLAR			
14. Identify sources to contact for more information about PLAR			

If you rated yourself as "learning" or "none" for any of the above learning outcomes, review the related information again in the PLAR 8-step process and FAQs for Saskatchewan Polytechnic.

What is in this guide?

This guide contains information, eligibility criteria, and self-rating tools to help you decide whether to consider a PLAR challenge for the Innovative Manufacturing program. It also provides specific contact information and directions to follow if you decide to proceed with PLAR.

There are two main sections in this guide:

Section 1—Specific PLAR information for the Innovative Manufacturing program
This section contains specific PLAR eligibility criteria, directions, and contact information for the Innovative Manufacturing program.

Section 2—Tools for choosing courses to challenge with PLAR
This section contains self-rating checklists, assessment methods, and recommended resources (if any) for each course in this program that is PLAR-ready. This section will help you identify courses to consider challenging for PLAR credit.

How to navigate this document

This document contains links to different sections and other documents. To return to where you were before you followed a link, press the *ALT* key and *left arrow* key at the same time.

Section 1— Specific PLAR information for the Innovative Manufacturing program

This section contains the following detailed information about PLAR for the Innovative Manufacturing program:

(a) Courses available for PLAR in this program,

(b) Eligibility criteria for this program's PLAR challenge options,

(c) PLAR fees for this program,

(d) Directions to arrange a PLAR consultation for this program, and

(e) Contact information for this program's PLAR consultant.

Courses available for PLAR in this program

Innovative Manufacturing Diploma Program Profile			
COURSE CODE	**COURSE NAME**	**PLAR Challenge(s) available through program**	**PLAR Challenge(s) not available**
Year 1 – Semester 1			
BESK 170	Bench Skills		✓
CAD 181	CAD Drafting	✓	
COAP 172	Computer Applications	✓*	
DRFT 174	Drafting Principles		✓
ENGL 101	Critical Reading and Writing	✓*	
MATH 166	Applied Mathematics 1		✓
MEAS 161	Precision Measurement and Tooling		✓
SEM 101	Technology Seminars	✓	
Year 1 – Semester 2			
COM 170	Professional Workplace Communication		✓
DRFT 177	Mechanical Drafting	✓	
MACH 101	Drilling Machine Operations		✓
MATH 167	Applied Mathematics 2		✓
MECH 160	Applied Mechanics: Statics		✓
SOCI 171	Culture and Diversity in Canadian Society	✓*	
WLDR 151	Cutting Processes	✓	
WLDR 152	Shielded Metal Arc Welding	✓	
WLDR 153	Gas Metal Arc Welding 1	✓	
Year 1 – Semester 3			
CAM 170	Computer Aided Manufacturing 1		✓
MACH 150	Milling Machine Operations		✓
MACH 151	Lathe Operations		✓
MATE 170	Manufacturing Materials		✓

WORK 169	Work Experience		✓
Year 2 – Semester 4			
CAM 171	Computer Aided Manufacturing 2		✓
HYDR 173	Fluid Power		✓
MACH 152	Computer Numerical Control 1		✓
MANU 170	Manufacturing 1	✓	
MECH 161	Applied Mechanics: Dynamics		✓
WLDR 154	Gas Metal Arc Welding 2	✓	
WLDR 155	Flux-Cored, Metal-Cored and Advanced Wire Feed Processes	✓	
WLDR 156	Gas Tungsten Arc Welding	✓	
Year 2 – Semester 5			
MACH 153	Computer Numerical Control 2		✓
MACH 154	Computer Numerical Control 3		✓
MANU 171	Manufacturing 2		✓
MANU 280	Production Management		✓
MANU 293	Quality Assurance and Manufacturing Management		✓
PROJ 184	Project		
PROJ 287	Project Management	✓	
TCOM 104	Applied Research in Technology	✓*	
WLDR 157	Fabrication Equipment		✓

Note: Courses marked with an asterisk (*) above are delivered by other departments or programs. Clicking on the course code in the list above will open another Candidate Guide where you will find PLAR information for that course.

PLAR challenge options and eligibility criteria

Individual course challenge

If you have a minimum of 2 years work experience within the last 5 years in the field of Innovative Manufacturing, and you have learned the skills and knowledge for **one or more** of the Innovative Manufacturing courses, you may apply to be assessed for each applicable course.

Fees for PLAR Challenges

Fees for PLAR challenges are set to cover our costs for consultation, assessment, and related administrative tasks. Fees therefore vary for different courses, levels of PLAR, and assessment methods.

For a listing of PLAR fees for this program, please check the online, searchable PLAR fee database. If the course(s) you are looking for is not listed, call or email the Learner Pathways office for more information (306-765-1652) or learnerpathways@saskpolytech.ca

Directions to Arrange a PLAR Consultation for this Program

1. **Review**: Thoroughly review the PLAR process and FAQs on our website and then the content of this guide for the Innnovative Manufacturing program. You need both general and specific information to successfully navigate the PLAR process.

2. **Self-rate**: Complete the self-rating checklists in the next section to estimate your level of mastery for the learning outcomes of each course.

3. **Print [*or convert to electronic file*]**: If PLAR for one or more courses appears to be a reasonable option for you, print [*or convert to electronic file*] the PLAR Application Form and completed self-rating checklists for those courses.

4. **Contact**: Call or email the PLAR consultant for this program.

5. **Prepare**: Ask the consultant what to bring with you or submit prior to a meeting. The following items are commonly requested:
   - A recent resume with dates and employers or organizations listed for any paid or volunteer work related to this program,
   - Copies of certificates or workshop descriptions from any previous training related to this program,
   - A printed PLAR Application Form with at least your personal information filled in, and
   - Completed, printed self-rating checklists for each course you may want to PLAR.

PLAR consultant for this program

Please do **not** contact the PLAR consultant for this program until you have:

- thoroughly reviewed (a) general PLAR information online and (b) program-specific PLAR information in this guide and
- self-rated your competence level for the learning outcomes of each course you may want to PLAR (see the next section of this guide).

If PLAR appears to be a reasonable option for you, please contact the PLAR consultant for this program:

Phil Ursulescu, Innovative Manufacturing Program Head
Saskatchewan Polytechnic, Regina Campus
Phone: (306) 775-7748
Email: Phil.Ursulescu@saskpolytech.ca

Section 2—Self-rating checklists, assessment methods, and resources for courses in this program

This section of the guide contains tools and information for each PLAR-able course in this program to help you choose which courses you might successfully challenge with PLAR. Information provided for each course includes the following:

- A checklist of the learning outcomes for each course so you can estimate your level of mastery for that course.
- A brief or detailed description of the potential assessment methods that may be used for a PLAR challenge.
- A list of resources you may want to review prior to PLAR assessment or a reminder to ask the PLAR consultant for a list of recommended resources.

Steps to complete a self-rating checklist

1. Read through these three levels of competence listed for each course checklist.

Competent:	I can work independently without supervision to apply the learning outcome.
Learning:	I am still learning this and need some direction or supervision to do it well.
None:	I have no knowledge or experience related to this outcome.

2. Read through the following self-rating checklists of learning outcomes for each course you are interested in for a PLAR challenge.

3. Check off your estimated competence level for all of the learning outcomes for each course. Your self-rating will help you decide whether to proceed with a PLAR consultation.

4. To be successful in a PLAR assessment, your abilities should be at the *competent* level for the majority of learning outcomes. Some things to consider when rating your level of competence are:
   - How do I currently use this outcome?
   - What previous training have I had in this outcome: workshops, courses, on-the-job?
   - What personal development or volunteer experience do I have in this area?

   Be prepared to explain why you chose this level if asked by the program's PLAR consultant.

5. [Print and bring], or [select/copy and email/upload], the completed self-audit checklists to the program's PLAR consultant (step 5 in the 8-step PLAR process).

Self-audit guide(s)

CAD 181 – CAD Drafting

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.

Credit unit(s): 4.0
Equivalent course(s): DRFT 105, DRFT 191
Prerequisite(s): COAP 172 (concurrent) or DRFT 174 (concurrent)
Corequisite(s): COAP 172, DRFT 174

CAD 181 – CAD Drafting **Competent:** I can work independently without supervision to apply the outcome. **Learning:** I need some supervision or direction to apply the outcome. **None:** I have no knowledge or experience related to this outcome.	**Competent**	**Learning**	**None**
1. Demonstrate coordinate systems and menu operation.			
2. Construct basic geometric entities.			
3. Design drawing management.			
4. Perform basic editing and drawing creation techniques.			
5. Design drawing documentation.			
6. Construct templates.			
7. Perform advanced editing and drawing creation techniques.			
8. Design drawing documentation.			
9. Construct templates.			
10. Perform advanced editing and drawing creation techniques.			
11. Prepare hard copy production (printing and plotting).			
12. Generate crosshatching.			
13. Construct blocks.			
14. Apply advanced drawing techniques.			
15. Create customized drawing dimensions.			

CAD 181 – CAD Drafting **Competent:** I can work independently without supervision to apply the outcome. **Learning:** I need some supervision or direction to apply the outcome. **None:** I have no knowledge or experience related to this outcome.	**Competent**	**Learning**	**None**
16. Develop drawings from previously created blocks or symbols.			
17. Apply advanced selection methods.			
18. Construct basic 3D shapes.			
19. Connect drawings to other programs or files.			
20. Construct 3D solid primitives.			
21. Modify 3D solid primitives.			
22. Construct a 2D drawing from 3D objects.			

PLAR assessment methods

PLAR for this course may be under development. If your results for the self-audit above are positive, contact the consultant(s) listed above for more information. If this course is ready for a PLAR challenge, assessment methods will be clarified during consultation with the Department Head. Do not prepare for assessment until the Program Head has signed your PLAR application form and you have registered to PLAR this course.

Resources

If you qualify to PLAR this course, ask the consultant to recommend any useful resources to review prior to assessment, which may include the following. Check for related resources from online and other sources. Purchasing resources from the Sask Polytech Bookstore is optional.

DRFT 177 – Mechanical Drafting

You will practice auxiliary view and dimensioning skills. You will create structural steel, assembly and detail drawings as well as document assembly procedures. You will analyze motion and component stress areas through simulation practice.

Credit unit(s): 5.0
Equivalent course(s):
Prerequisite(s): CAD 181, DRFT 174

DRFT 177 – Mechanical Drafting **Competent:** I can work independently without supervision to apply the outcome. **Learning:** I need some supervision or direction to apply the outcome. **None:** I have no knowledge or experience related to this outcome.	**Competent**	**Learning**	**None**
1. Create auxiliary views.			
2. Use welding symbols.			
3. Use geometric tolerancing.			
4. Create structural steel drawings.			
5. Create detail and assembly drawings.			
6. Document assembly procedures.			
7. Analyze motion through simulation.			
8. Analyze component stress areas through simulation.			

PLAR assessment methods

PLAR for this course may be under development. If your results for the self-audit above are positive, contact the consultant(s) listed above for more information. If this course is ready for a PLAR challenge, assessment methods will be clarified during consultation with the Department Head. Do not prepare for assessment until the Program Head has signed your PLAR application form and you have registered to PLAR this course.

Resources

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MANU 170 – Manufacturing 1

You will be introduced to metal and plastic manufacturing. Your studies will conclude an analysis of quality control standards. You will compare manufacturing processes and fabrication techniques as well as mold design and casting processes.

Credit unit(s): 4.0
Prerequisite(s): MACH 152 (concurrent)

MANU 170 – Manufacturing 1 **Competent:** I can work independently without supervision to apply the outcome. **Learning:** I need some supervision or direction to apply the outcome. **None:** I have no knowledge or experience related to this outcome.	**Competent**	**Learning**	**None**
1. Describe production process used in metal and plastic manufacturing.			
2. Analyze quality control methods in manufacturing.			
3. Compare quality control problems in manufacturing.			
4. Examine pressures required for hot metal forming.			
5. Compare cold metal forming processes to other fabrication techniques.			
6. Compare types of cold forming tools and machines.			
7. Examine pressures required for cold forming processes.			
8. Examine machining processes and applications.			
9. Discuss welding processes for manufacturing.			
10. Discuss casting processes.			
11. Discuss mold design for the casting processes.			
12. Compare plastic mold processes.			
13. Discuss progressive blanking and forming dies.			

PLAR assessment methods

If you qualify for PLAR, you may be asked to demonstrate your learning in one or more of the following ways. Be prepared to discuss the expectations during a consultation meeting.
PLAR for this course may be under development. If your results for the self-audit above are positive, contact the consultant(s) listed above for more information. If this course is ready for a PLAR challenge, assessment methods will be clarified during consultation with the Department

Head. Do not prepare for assessment until the Program Head has signed your PLAR application form and you have registered to PLAR this course.

Resources

If you qualify to PLAR this course, ask the consultant to recommend any useful resources to review prior to assessment, which may include the following. Check for related resources from online and other sources. Purchasing resources from the Sask Polytech Bookstore is optional.

PROJ 287 – Project Management

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.

Credit unit(s): 2.0
Equivalent course(s): MGMT 222

PROJ 287 – Project Management **Competent:** I can work independently without supervision to apply the outcome. **Learning:** I need some supervision or direction to apply the outcome. **None:** I have no knowledge or experience related to this outcome.	**Competent**	**Learning**	**None**
1. Discuss project management concepts.			
2. Explain the process to initiate a project.			
3. Create a project plan using project management software.			
4. Explain the methods used to execute a project plan.			
5. Explain monitoring requirements of a project.			
6. Discuss closing requirements of a project.			

PLAR assessment methods

PLAR for this course may be under development. If your results for the self-audit above are positive, contact the consultant(s) listed above for more information. If this course is ready for a PLAR challenge, assessment methods will be clarified during consultation with the Department Head. Do not prepare for assessment until the Program Head has signed your PLAR application form and you have registered to PLAR this course.

Resources

If you qualify to PLAR this course, ask the consultant to recommend any useful resources to review prior to assessment, which may include the following. Check for related resources from online and other sources. Purchasing resources from the Sask Polytech Bookstore is optional.

SEM 101 – Technology Seminars

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.

Credit unit(s): 1.0
Equivalent course(s): ENGM 181, ETHC 183, ORTN 120, SEM 104

SEM 101 – Technology Seminars **Competent:** I can work independently without supervision to apply the outcome. **Learning:** I need some supervision or direction to apply the outcome. **None:** I have no knowledge or experience related to this outcome.	**Competent**	**Learning**	**None**
1. Develop study and time management skills.			
2. Recognize diversity in the workplace.			
3. Recognize principles of sustainability to work.			
4. Describe professional ethics, responsibility and accountability.			
5. Describe the impact of technology on society.			
6. Describe workplace safety procedures.			

PLAR assessment methods

PLAR for this course may be under development. If your results for the self-audit above are positive, contact the consultant(s) listed above for more information. If this course is ready for a PLAR challenge, assessment methods will be clarified during consultation with the Department Head. Do not prepare for assessment until the Program Head has signed your PLAR application form and you have registered to PLAR this course.

Resources

If you qualify to PLAR this course, ask the consultant to recommend any useful resources to review prior to assessment, which may include the following. Check for related resources from online and other sources. Purchasing resources from the Sask Polytech Bookstore is optional.

WLDR 151 – Cutting Processes

You will practice appropriate safety protocols in your introduction to cutting processes. You will use the oxy-fuel, manual plasma arc and computer numerical control (CNC) plasma arc processes.

Credit unit(s): 2.0

WLDR 151 – Cutting Processes **Competent:** I can work independently without supervision to apply the outcome. **Learning:** I need some supervision or direction to apply the outcome. **None:** I have no knowledge or experience related to this outcome.	**Competent**	**Learning**	**None**
1. Practice safety protocols.			
2. Cut plate and structural steel using the oxy-fuel cutting process.			
3. Learning Outcome 3.cut ferrous and non-ferrous metals using the plasma arc cutting (PAC) manual process.			
4. Program the computer numerical control (CNC) plasma table.			
5. Operate the CNC plasma table.			

PLAR assessment methods

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Resources

If you qualify to PLAR this course, ask the consultant to recommend any useful resources to review prior to assessment, which may include the following. Check for related resources from online and other sources. Purchasing resources from the Sask Polytech Bookstore is optional.

WLDR 152 – Shielded Metal Arc Welding

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.

Credit unit(s): 2.0

WLDR 152 – Shielded Metal Arc Welding **Competent:** I can work independently without supervision to apply the outcome. **Learning:** I need some supervision or direction to apply the outcome. **None:** I have no knowledge or experience related to this outcome.	**Competent**	**Learning**	**None**
1. Practice safety protocols.			
2. Describe shielded metal arc welding (SMAW) equipment, accessories, operation and safety concerns.			
3. Set up a SMAW weld station.			
4. Select electrodes.			
5. Perform surface buildup using E7018.			
6. Weld ¼-inch mild steel, horizontal, T-joint and fillet using E7018.			

PLAR assessment methods

PLAR for this course may be under development. If your results for the self-audit above are positive, contact the consultant(s) listed above for more information. If this course is ready for a PLAR challenge, assessment methods will be clarified during consultation with the Department Head. Do not prepare for assessment until the Program Head has signed your PLAR application form and you have registered to PLAR this course.

Resources

If you qualify to PLAR this course, ask the consultant to recommend any useful resources to review prior to assessment, which may include the following. Check for related resources from online and other sources. Purchasing resources from the Sask Polytech Bookstore is optional.

WLDR 153 – Gas Metal Arc Welding 1

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.

Credit unit(s): 1.0

WLDR 153 – Gas Metal Arc Welding 1 **Competent:** I can work independently without supervision to apply the outcome. **Learning:** I need some supervision or direction to apply the outcome. **None:** I have no knowledge or experience related to this outcome.	**Competent**	**Learning**	**None**
1. Practice safety protocols.			
2. Describe gas metal arc welding (GMAW) equipment, accessories, operation and safety concerns.			
3. Determine weld parameters and transfer mode.			
4. Set up a GMAW weld station.			
5. Perform surface building using Short Circuit transfer and ER70-S electrode.			

PLAR assessment methods

PLAR for this course may be under development. If your results for the self-audit above are positive, contact the consultant(s) listed above for more information. If this course is ready for a PLAR challenge, assessment methods will be clarified during consultation with the Department Head. Do not prepare for assessment until the Program Head has signed your PLAR application form and you have registered to PLAR this course.

Resources

If you qualify to PLAR this course, ask the consultant to recommend any useful resources to review prior to assessment, which may include the following. Check for related resources from online and other sources. Purchasing resources from the Sask Polytech Bookstore is optional.

WLDR 154 – Gas Metal Arc Welding 2

You will practice appropriate safety protocols and apply gas metal arc welding (GMAW) to a variety of joints, weld positions and material thicknesses.

Credit unit(s): 5.0
Prerequisite(s): WLDR 153

WLDR 154 – Gas Metal Arc Welding 2 **Competent:** I can work independently without supervision to apply the outcome. **Learning:** I need some supervision or direction to apply the outcome. **None:** I have no knowledge or experience related to this outcome.	**Competent**	**Learning**	**None**
1. Practice safety protocols.			
2. Perform surface build up.			
3. Weld 14 gauge mild steel, horizontal, lap joint, fillet weld.			
4. Weld 14 gauge mild steel, vertical down, T-joint, 3-pass fillet weld.			
5. Weld quarter-inch mild steel, vertical up, T-joint, 3-pass fillet weld.			
6. Weld quarter-inch mild steel, horizontal, T-joint, and 3-pass fillet weld.			
7. Weld flat-groove fillet (1GF).			

PLAR assessment methods

PLAR for this course may be under development. If your results for the self-audit above are positive, contact the consultant(s) listed above for more information. If this course is ready for a PLAR challenge, assessment methods will be clarified during consultation with the Department Head. Do not prepare for assessment until the Program Head has signed your PLAR application form and you have registered to PLAR this course.

Resources

If you qualify to PLAR this course, ask the consultant to recommend any useful resources to review prior to assessment, which may include the following. Check for related resources from online and other sources. Purchasing resources from the Sask Polytech Bookstore is optional.

WLDR 155 – Flux-Cored, Metal-Cored and Advanced Wire Feed Processes

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.

Credit unit(s): 3.0
Prerequisite(s): WLDR 154 (concurrent)

WLDR 155 – Flux-Cored, Metal-Cored and Advanced Wire Feed Processes **Competent:** I can work independently without supervision to apply the outcome. **Learning:** I need some supervision or direction to apply the outcome. **None:** I have no knowledge or experience related to this outcome.	**Competent**	**Learning**	**None**
1. Practice safety protocols.			
2. Weld 1/4-inch aluminum, horizontal, T-joint, fillet weld.			
3. Weld 3/8-inch mild steel, horizontal, T-joint, fillet weld, 3-pass using flux-cored arc welding (FCAW).			
4. Weld 3/8-inch mild steel, horizontal, T-joint, fillet weld, 3-pass using metal-cored arc welding (MCAW).			
5. Perform advanced wave form welding.			

PLAR assessment methods

PLAR for this course may be under development. If your results for the self-audit above are positive, contact the consultant(s) listed above for more information. If this course is ready for a PLAR challenge, assessment methods will be clarified during consultation with the Department Head. Do not prepare for assessment until the Program Head has signed your PLAR application form and you have registered to PLAR this course.

Resources

If you qualify to PLAR this course, ask the consultant to recommend any useful resources to review prior to assessment, which may include the following. Check for related resources from online and other sources. Purchasing resources from the Sask Polytech Bookstore is optional.

WLDR 156 – Gas Tungsten Arc Welding

You will practice appropriate safety protocols and become familiar with gas tungsten arc welding (GTAW) equipment, accessories and consumables. You will set up a weld station and perform GTAW welds.

Credit unit(s): 2.0

WLDR 156 – Gas Tungsten Arc Welding **Competent:** I can work independently without supervision to apply the outcome. **Learning:** I need some supervision or direction to apply the outcome. **None:** I have no knowledge or experience related to this outcome.	**Competent**	**Learning**	**None**
1. Practice safety protocols.			
2. Describe gas tungsten arc welding (GTAW) equipment, accessories, operation and safety concerns.			
3. Determine weld parameters.			
4. Set up a GTAW weld station.			
5. Weld 14-gauge stainless steel, fillet welds.			
6. Weld 14-gauge aluminum, fillet welds.			
7. Describe automated GTAW processes.			

PLAR assessment methods

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Resources

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Innovative Manufacturing Diploma

Appendices

Cover page sample

Program Name

Diploma/certificate/applied certificate program

ABCD 123 – Course Name

Student Name

Date

Appendix A: Employment validation letter

Prior Learning Assessment and Recognition

Instructions: The employment validation letter provides a statement of verification of employment in an exceptionality focused setting. The employment validation letter must be printed on letterhead of your current employer and signed by the human resources department indicating the length of employment and working environment(s). A letter template has been provided for your use. Please copy the content below and fill in the fields as directed. The completed letter should be included with your PLAR evidence and submitted to the PLAR assessor for the Innovative Manufacturing program.

Letter template *(On employer's business letterhead)*

Date

To Whom It May Concern:

I have reviewed the employment records of _____ and
Name of employee/candidate

can verify that the above candidate has been employed by _____
Name of employer

for _____
Length of employment

Please contact me at _____ or _____
Phone E-mail

with any questions or for additional information.

Sincerely,

_____ _____
Name Job title

_____
Signature