

Parts Management Technician - Certificate

PLAR Candidate Guide

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Prior learning credit options at Saskatchewan Polytechnic

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

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

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

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

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.

Course pre-requisites and co-requisites

Some courses have one or more other courses that must be completed first (pre-requisite) or at the same time (corequisite). See course outlines in this guide to identify any pre- or co-requisites for each course. Discuss with your PLAR contact person how to deal with courses with co-requisites.

Block assessment

Some programs may assess a cluster of courses together in one block, which may save you time and effort. Ask the PLAR contact person whether there are any block assessment options in this program.

C. Dates when PLAR assessment is available

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

- 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 directions for applying.
- 5. **Register** for PLAR at Registration Services once you have signed approval on your PLAR Application Form. The PLAR fee will be added to your student account.
- 6. Finalize a detailed 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.

David Mervold, Program Head

Saskatchewan Polytechnic, Campus

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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
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	

COURSE CODE	COURSE NAME	Delivered by another department/program
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	

COAP 194 - Inventory Software

You will become familiar with the programs used by Parts Department computer systems.

Use a checkma	rk (√) to rate yourself as follows for each learning outcome			
Competent: Learning: None:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1. Discuss so	tware programs used by parts department.			
2. Discuss sys	items.			
3. Discuss the	e use of electronic parts catalogues.			
4. Discuss bu	siness and invoicing software.			

MATE 190 - Materials Handling and Equipment

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.

Credit unit(s): 3.0
Pre and Co Requisites: none

Equivalent course(s): none

Use	e a checkma	k (√) to rate yourself as follows for each learning outcome	.		
Lea	mpetent: arning: ne:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Identify ma	terials handling equipment.			
2.	Discuss fac	lity layouts.			
3.	Describe in	ventory handling practices.			
4.	Compare o	perational facility layouts.			
5.	Discuss saf	ety requirements.			
6.	Demonstra	te safe use of materials handling equipment.			

MGMT 189 - Managerial Skills

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.

Use	e a checkma	k (√) to rate yourself as follows for each learning outcome	4		
l	mpetent: arning: ne:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Identify the	roles and function of management.			
2.	2. Describe principles of leadership.				
3.	Discuss tea	m building for work groups.			
4.	Identify tim	e and resource management skills.			
5.	Evaluate pr	oblem solving skills.			
6.	Describe es	sential and employability skills.			
7.	Examine ch	ange management.			

PART 178 - Parts Workplace Skills

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.

Credit unit(s): 2.0
Pre and Co Requisites: none

Equivalent course(s): none

Us	e a checkma	rk (√) to rate yourself as follows for each learning outcome	4		
Lea	mpetent: arning: ne:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Explore job	search related documents.			
2.	Examine es	sential workplace procedures.			
3.	Discuss cus	tomer communication skills.			
4.	Explain wo	rkplace conflict resolution.			
5.	Describe w	orkplace mentoring.			

PART 179 - Parts Marketing Essentials

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.

Use	e a checkma	rk (√) to rate yourself as follows for each learning outcome	±		
Lea	mpetent: arning: ne:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Identify the	e target markets.			
2.	Describe m	arketing methods.			
3.	Choosing e	ffective marketing and product promotion.			
4.	Demonstra	te personal selling techniques.			
5.	Compare n	nerchandising methods and parts marketing.			

PART 191 - Introduction to the Parts and Warehousing Trades

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.

Us	e a checkma	ark (✓) to rate yourself as follows for each learning outcome I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	_		
Lea	mpetent: arning: one:		Competent	Learning	None
1.	Describe th	ne types of distribution networks.			
Describe the types of distribution networks. Identify the duties and responsibilities of parts department personnel.					
3.	Recognize safe working practices and safety equipment.				
4.	Explain fire	safety.			

PART 192 - Tools and Measuring

You will learn how to identify and use hand tools, power tools and measuring equipment.

Use	a checkma	rk (√) to rate yourself as follows for each learning outcome			
	mpetent: rning: ne:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Explain the	different types of hand tools.			
2.	Explain the	different types of power tools.			
3.	Identify me	easuring tools and equipment.			
4.	Demonstra	te measuring tool use and operation.			

PART 193 - Engine Systems 1

Your studies will focus on the components of all the systems that are associated with the engine (including fuel, emissions, and lubrication systems).

Us	e a checkma	rk (√) to rate yourself as follows for each learning outcome	4		
Lea	mpetent: arning: ne:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Describe th	ne parts and function of the emissions system			
2.	Describe th	ne parts and function of the fuel system			
3.	Describe th	ne parts and function of the intake system			
4.	Describe th	ne parts and function of the exhaust system			
5.	Explain the	different types of instruments and their function			

PART 194 - Parts Information Systems

You will learn the different methods of locating and identifying components. These include printed materials, microfiche and computer technology.

Use	e a checkma	rk (√) to rate yourself as follows for each learning outcome			
Lea	mpetent: arning: ne:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Identify the	e different tools that can be used to locate parts information.			
2.	Describe th	ne components of the different systems.			
3.	Discuss the	e parts pricing structures.			
4.	Demonstra	ite alternative methods for locating parts.			
5.	Explain the	reasons and need to use electronic parts information systems.			

PART 195 - Electrical Parts 1

You will study the fundamentals of electricity and learn how to identify the components of circuits found on a vehicle.

Use	e a checkma	rk (√) to rate yourself as follows for each learning outcome		٠,		
Lea	mpetent: arning: ne:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Compatent	Competent	Learning	None
1.	Identify the	basic fundamentals of electricity and electronics.				
2.	Explain bat	tery types and functions.				
3.						
4.	Identify cha	assis wiring.				

PART 196 - Parts Facilities

You will learn how to set up and/or organize a parts area. The course covers building design, storage areas and binning systems.

Us	e a checkma	rk (√) to rate yourself as follows for each learning outcome	4		
Competent: Learning: None:		I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Describe th	ne required areas of a parts facility.			
2.	Describe th	ne supplemental areas of a parts facility.			
3.	Explain var	ious types of binning systems.			
4.	Prepare a l	ayout of a parts department.			

PART 197 - Parts Documentation

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.

Use	e a checkma	rk (√) to rate yourself as follows for each learning outcome	±		
Competent: Learning: None:		I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Explain the	different point of sale documentation.			
2.	Discuss the	purpose and required information on a work order.			
3.	Prepare a	parts order form.			
4.	Describe p	rocedures when handling warranties.			

PART 198 - Parts Warehousing

Your studies will cover the history of warehousing, transportation systems, shipping and receiving and transportation of various products.

Use a checkmark (✓) to rate yourself as follows for each learning outcome		ا ب		
Competent: Learning: None:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1. Examine t	ne history of warehousing.			
2. Explain sh	pping methods and procedures.			
3. Demonstr	ate the skills required to prepare a shipment.			
4. Explain red	ceiving procedures and practices.			
5. Examine p	arts return policies.			
6. Describe o	ifferent types of claims.			
7. Demonstr	ate the procedures for completing shipping and receiving forms.			

PART 199 - Inventory Audit

You will learn the requirements and procedures for doing an inventory count.

Use a che	ckmark (√) to rate yourself as follows for each learning outcome	+		
Compete Learning: None:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1. Disc	ss the reasons for a physical inventory.			
Describe inventory procedures.				
3. Desc	3. Describe the various styles of locating binned parts.			

PART 287 - Hydraulic Parts

You will study the principles of hydraulics and learn how to operate and identify components.

Use	e a checkmar	k (√) to rate yourself as follows for each learning outcome	4		
Competent: Learning: None:		I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Identify the	basic hydraulic principles.			
2.	Identify hyd	raulic system components.			
3.	Describe hy	draulic system circuits.			
4.	4. Discuss hydraulic system operation.				
5.	Explain hyd	raulic steering systems.			
6.	Discuss the	hydrostatic drive systems.			

PART 288 - Engine Parts 1

Your studies will examine engine classifications and design. You will focus on identifying engine components and their function.

Competent: I can apply this outcome without dire Learning: I am still learning skills and knowledge		rk (√) to rate yourself as follows for each learning outcome			
		I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Discuss the	e principles of combustion			
2.	Identify ba	sic engine components			
3.	Describe e	ngine classifications			
4.	Describe t	ne principles of engine operation			

PART 289 - Vehicle System Parts

Your studies will cover suspension, steering and braking systems. You will focus on the principles of these systems as well as the components.

Use a checkma	Use a checkmark (✓) to rate yourself as follows for each learning outcome			
Competent: Learning: None:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1. Describe t	he components and principles of the suspension system.			
2. Describe t	he components and principles of the steering system.			
3. Describe t	he components and principles of the brake system.			
4. Discuss a	variety of tires and vehicle ballasting.			
5. Identify th	e components of track systems.			

PART 291 - Drivetrain Components

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.

Use	a checkma	rk (√) to rate yourself as follows for each learning outcome	+		
Competent: Learning: None:		I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Describe a	xle and driveline parts.			
2.	Discuss clu	itches and torque converters.			
Discuss transmissions and transaxles.					
4.	Discuss dif	ferentials and final drives.			
5.	Compare t	he different drive train systems.			

PART 292 - Standard Inventory

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.

Use a checkmark (✓) to rate yourself as follows for each learning outcome		ا ب		
Competent: Learning: None:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1. Discuss ty	pes and functions of fasteners.			
2. Discuss ty	pes and functions of fittings.			
3. Describe b	pearings.			
4. Describe s	eals.			
5. Identify po	ower transfer components.			
6. Discuss sh	aft couplers and clutches.			
7. Identify co	mmonly stocked products.			

PART 293 - Engine Systems 2

You will study engine heating and cooling systems, air conditioning and lubricating systems. You will focus on the high-activity parts and the function of the components.

Use	e a checkma	rk (√) to rate yourself as follows for each learning outcome	4		
Competent: Learning: None:		I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Describe p	arts and function of the cooling system			
2.	Describe p	arts and function of the heating system			
Describe parts and operation of the air conditioning system					
4.	Describe t	ne parts and operation of the lubrication system			
5.	Discuss lub	pricants			

PART 294 - Automotive and Truck Wholegoods

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.

Use	Use a checkmark (✓) to rate yourself as follows for each learning outcome		4		
Competent: Learning: None:		,	Competent	Learning	None
1.	Discuss bo	dy structure design			
2.	Identify ch	assis components			
3.	Examine b	ody styles and classifications			
4.	Describe v	rehicle comfort and safety systems			
5.	Discuss ve	hicle identification codes and labels			
6.	Identify o	perator features and controls			
7.	Compare	parts supply systems			

PART 295 - Electrical Parts 2

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.

Use a checkm	Use a checkmark (✓) to rate yourself as follows for each learning outcome			
Competent: Learning: None:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1. Explain th	e components and function of the starting system.			
2. Explain th	e components and function of the ignition system.			
3. Describe	the horn, accessory, and light systems.			
4. Discuss a	dvanced electrical systems.			

PART 296 - Agricultural and Industrial Wholegoods

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.

Use	e a checkma	rk (√) to rate yourself as follows for each learning outcome	4		
	mpetent: irning: ne:	I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent	Learning	None
1.	Identify ty	pes of agricultural equipment.			
2.	Identify ty	pes of industrial equipment.			
3.	Discuss th	e function of agricultural equipment.			
4.	Discuss th	e function of industrial equipment.			
5.	Describe t	he fast wearing components of agricultural equipment.			
6.	Describe t	he fast wearing components of Industrial equipment.			
7.	Compare a	agricultural and industrial parts supply systems.			

PART 298 - Engine Parts 2

You will study the function of all engine components and failure analysis.

Use	e a checkma	eckmark (√) to rate yourself as follows for each learning outcome		Learning	None
Competent: Learning: None:		I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent		
1.	Discuss en	gine parts operation.			
2.	Describe e	ngine construction features.			
3.	Examine e	ngine parts failures.			
4.	Describe e	ngine repair procedures.			
5.	Demonstra	ate the use of service information.			

PART 299 - Inventory Control

You will learn the management tools and control systems used to manage inventory.

Use	e a checkma	neckmark (√) to rate yourself as follows for each learning outcome		Learning	None
Competent: Learning: None:		I can apply this outcome without direction or supervision. I am still learning skills and knowledge to apply this outcome. I have no knowledge or experience related to this outcome.	Competent		
1.	Identify in	ventory ordering systems			
2.	Discuss inv	entory monitoring tools			
3.	Identify rea	asons for adjusting inventory			
4.	Discuss pa	rts activity			
5.	Compare n	nethods used to control inventory			

WORK 198 - Work Experience

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.

Credit unit(s): 0.0
Pre and Co Requisites: none

Equivalent course(s): none

Use a checkmark (✓) to rate yourself as follows for each learning outcome				
Compet Learning None:	,	Competent	Learning	None
1. Ide	ntify materials handling equipment.			
2. Dis	cuss facility layouts.			
3. De:	cribe inventory handling practices.			
4. Coi	npare operational facility layouts.			
5. Dis	cuss safety requirements.			
6. De	nonstrate safe use of materials handling equipment.			