

PRE-APPRENTICESHIP - MARINE LEVEL ONE

Program: PAMO

Credential: Recognition of Achievement

Delivery: Full-time

Work Integrated Learning: 1 Work Placement

Length: 3 Semesters

Duration: 1 Year

Effective: Summer 2024

Location: Midland

Description

In this program, students build job readiness skills and gain trade experience in the marine trade. Students develop skills and knowledge to become successful candidates for apprenticeship. After classroom/lab-based training, students enter into a 12-week paid work placement component.

Career Opportunities

This program provides graduates with a pathway to a range of occupations in fields such as:

- marine mechanic
- small engine mechanic
- entrepreneurship

Program Learning Outcomes

The graduate has reliably demonstrated the ability to:

1. interpret workplace safety requirements in accordance with government safety regulations and approved industry standards;
2. identify the fundamentals of accessing workplace information for parts and warranty control systems, in accordance with government safety regulations and approved industry standards;
3. perform applied trade calculations in accordance with the requirements of applied trade related problems;
4. perform basic heating, cutting and welding techniques in accordance with government safety regulations, approved industry standards and equipment manufacturers' recommendations and specifications;
5. interpret electrical wiring diagrams in accordance with government safety regulations, manufacturers' recommendations and specifications and approved industry standards;
6. service gasoline engine fuel systems in accordance with government safety regulations, manufacturers' recommendations and specifications and approved industry standards;
7. service intake and exhaust systems in accordance with government safety regulations, manufacturers' recommendations and specifications and approved industry standards;
8. test and describe maintenance procedures for engine systems in accordance with government safety regulations, manufacturers' recommendations and specifications and approved industry standards;
9. define the fundamentals of clutch systems and components in accordance with government safety regulations, manufacturers'

recommendations and specifications and approved industry standards;

10. define the fundamentals of gear theory in accordance with government safety regulations, and approved industry standards;
11. explain mechanical braking system fundamentals in accordance with government safety regulations, manufacturers' recommendations and specifications and approved industry standards;

Admission Requirements

Applicants must meet the following criteria:

- 16 years of age
- not currently registered as an apprentice
- Canadian citizen or permanent resident

Selection Process

- interview
- assessment

Graduation Requirements

10 Program Courses

6 Trade Courses

1 Work Placement

Graduation Eligibility

Students must successfully complete all required courses as noted below. Further details, if applicable, are noted under "Additional Information" above.

Program Tracking

Program Courses		Hours
Program Courses		
TECH 0604	First Aid / CPR / AED Level C	16
TECH 0405	WHMIS	6
TECH 0290	Forklift Operator	9
TECH 0291	Industrial Crane Slinger	9
TECH 0364	Health and Safety	15
TECH 0407	Industrial Regulations	6
TECH 0551	Working At Heights	8.5
TECH 0365	Shop Skills	36
TECH 0578	Job Search Skills	36
TECH 0624	Introduction to Small Engine Maintenance	42
Level 1 Marine Engine Apprenticeship		
SMEN 1012	Safe Working Practices and Techniques - Level 1	18
SMEN 1008	Work Practices and Procedures - Level 1	60
SMEN 1009	Electrical /Electronic Systems - Level 1	45
SMEN 1010	Fuel Systems - Level 1	24
SMEN 1005	Engine Systems - Level 1	54
SMEN 1011	Braking, Transmission and Auxiliary Drive Systems - Level 1	39
Work Placement		
PAMT 0003	Pre-Apprentice Work Placement Marine Level One	340
Hours		763.5
Total Hours		763.5

Disclaimer: The information in this document is correct at the time of publication. Academic content of programs and courses is revised on an



ongoing basis to ensure relevance to changing educational objectives and employment market needs.

Program outlines may be subject to change in response to emerging situations, in order to facilitate student achievement of the learning outcomes required for graduation. Components such as courses, progression, coop work terms, placements, internships and other requirements may be delivered differently than published.