

# PRE-APPRENTICESHIP INDUSTRIAL MECHANIC/ INDUSTRIAL ELECTRICIAN AND WELDER

**Program:** PIME

**Credential:** Recognition of Achievement

**Delivery:** Full-time

**Work Integrated Learning:** 1 Work Placement

**Length:** 2 Semesters

**Duration:** 709.5 Hours

**Effective:** Summer 2026

**Location:** Midland

## Description

In this program, students build job readiness skills and gain trade experience in the industrial trades. Students develop skills and knowledge related to the industrial mechanical, electrical, welding, and plumbing fields to become successful candidates for apprenticeship. After 20 weeks of 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:

- fabrication and structural welding
- manufacturing industries
- mechanical, electrical, and plumbing applications
- entrepreneurship

## Program Learning Outcomes

The graduate has reliably demonstrated the ability to:

1. describe the fundamentals of welding;
2. select and utilize appropriate tools and equipment needed in the manufacturing industries;
3. interpret and perform workplace practices and procedures in accordance with government safety standards and regulations pertaining to a manufacturing environment;
4. operate basic cutting, measuring, and fitting equipment;
5. work effectively as an individual and team member in the manufacturing industries;
6. utilize current technology to access information in the mechanical and electrical trades;
7. practice analytical thinking to implement a systematic approach to problem solving and decision making.

## Admission Requirements

Applicants must meet the following criteria:

- be eligible to work in Ontario
- be over the age of 16

- not be registered as an apprentice
- submit a current resume

## Graduation Requirements

9 Program Courses

6 Multiple Trade Exposure 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
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 0365	Shop Skills	36
TECH 0407	Industrial Regulations	6
TECH 0551	Working At Heights	8.5
TECH 0578	Job Search Skills	36
TECH 0131	Plumbing	48
TECH 0227	Mechanical Maintenance Two	48
TECH 0377	Industrial and Commercial Electricity	30
TECH 0379	Hydraulics and Pneumatics	30
TECH 0579	Blueprint Reading for Industry	36
WELD 0035	Welding - Introduction	36
Work Placement		
PAMT 0002	Pre-Apprentice Work Placement Industrial Trades	340
<b>Hours</b>		<b>709.5</b>
<b>Total Hours</b>		<b>709.5</b>

**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.*