PRE-APPRENTICESHIP - CONSTRUCTION AND MECHANICAL

Program: PACM
Credential: Recognition of Achievement
Delivery: Full-time
Work Integrated Learning: 1 Work Placement
Length: 2 Semesters
Duration: 1 Year
Effective: Fall 2024
Location: Muskoka

Description

In addition to receiving an introduction to general carpentry, students receive exposure to heating and cooling systems, and construction small engines. Students will obtain a number of industry specific certifications to enhance job readiness. Career Development is a focus of this program with a work placement following the in-school training.

Career Opportunities

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

- residential, commercial or industrial construction
- carpentry apprenticeship
- refrigeration and air conditioning systems mechanic apprenticeship
- gas technician
- small engine mechanic

Program Learning Outcomes

The graduate has reliably demonstrated the ability to:

1. apply mathematical and computer skills to construction related problems;
2. complete basic carpentry, HVAC and construction small engine tasks based on theory and practical skills;
3. apply the principles of drafting in the creation of drawings;
4. perform workplace practices and safety procedures in accordance with the Occupational Health and Safety Act Construction Regulations;
5. use job search strategies and communication skills to explore careers in the trades;
6. select and safely operate hand and power tools and equipment used in building construction;
7. assist skilled tradespersons and perform construction-related tasks at jobsites.

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

- applicants must attend a program information session
- applicants must demonstrate the ability to do, or be able to acquire, the necessary reading, writing and trade related math skills
- applicants must demonstrate a commitment to working in the construction industry
- applicants will be interviewed

Graduation Requirements

10 Program 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

Summer		**Hours**
MATC 0010	Construction Math - Preparation	42
TECH 0364	Health and Safety	15
TECH 0382	Blueprint Reading for Construction	42
TECH 0551	Working At Heights	8.5
TECH 0601	Introduction to CAD Drafting	42
TECH 0602	Pre-Apprentice Career Development	42
TECH 0603	Introduction to Basic Carpentry General	72
TECH 0604	First Aid / CPR / AED Level C	16
TECH 0625	Introduction to Heating and Cooling Systems	42
TECH 0589	Introduction to Electrical Trades	54
Work Placement		
PAGC 0011	Pre-Apprenticeship General Carpentry Work Placement	240
	Hours	**615.5**
	Total Hours	**615.5**

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.