



CREDENTIAL

Ontario College
Certificate

PROGRAM CODE

Fall: 0384

AREA OF INTEREST

Skilled Trades

LOCATION

Thunder Bay

DURATION

34-week

Overview

Get Your Career in Gear

Advance your automotive knowledge with Confederation College's Motive Power Techniques – Automotive certificate program. This comprehensive program covers all aspects of vehicle maintenance and repair, including electrical systems, electronics, fuels, brakes, gear trains, steering, and suspension. With hands-on instruction and practical workplace skills, you'll be well-prepared to excel in the automotive industry. Whether you're interested in working on cars or light trucks, this program provides the technical expertise and mechanical knowledge needed to succeed in today's modern and competitive job market.



Top Highlights

- **Field Placement:** The program includes a two-week field placement, providing on-the-job training in a real shop setting.
- **Industry-Standard Training:** Courses follow industry standards and practices, ensuring you are job-ready upon graduation.
- **Cutting-Edge Technology:** Learn today's technologies and how to adapt to future advancements.
- **Apprenticeship Opportunities:** Graduates can also go on to an apprenticeship program.



Experiential Learning

Field Placement



Employment Opportunities

Graduates of the Motive Power Techniques – Automotive program will have the skills to secure employment in various automotive and mechanical fields, including:

Automotive or Truck Technician, Automotive Machinist, Alignment and Brake Technician, Automotive Electrical and Electronics Specialist, Truck & Coach Service and Repair, Service Manager/Foreman, Service Writer, Parts Sales, Body Repairs, Small Engine Repair and Maintenance, Automobile Sales



Ideal Candidate

Mechanically Inclined, Problem Solver, Team Player, Physically Fit, Detail-Oriented



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Motive Power Techniques - Automotive

Admission Requirements

- Ontario Secondary School Diploma (or equivalent) with courses from the College (C), University (U), University/College (U/C), or Open (O) preparation levels with Grade 12 English (C/U) Level.
- or successful completion of the Mature Student Assessment.
- or successful completion of the General Education Development Test (GED).
- or appropriate credits from the Academic and Career Entrance program (ACE).

Other Courses Required

- Grade 11 MCF3M Functions and Applications, or MCR3U Functions, or Grade 12 MAP4C Foundations for College Math or MCT4C Mathematics for College Technology or University Preparation or ACE Core Math (UM 602).

Alternative Pathways

If you do not meet the entrance requirements, we encourage you to apply for the Pre-Technology-Trades program to facilitate success in your technology path.

First Semester

HC 121 Applied Work Practice & Procedure
HC 122 Engines & Ancillary Systems
HC 123 Electricity and Electronics I
CS 030 Communications for the Trades

Second Semester

ES 222 Electrical Electronics and Fuel Systems
ES 224 Drive Train Systems
ES 225 Steering, Suspension & Brakes
ES 226 Air Conditioning & Body Controls
ES 227 Field Placement

Please note that the core subjects run for 4 to 6 week modules.



Have questions? Want to apply?
Contact recruitment@confederationcollege.ca

