

MOTIVE POWER TECHNICIAN - SERVICE AND MANAGEMENT (VMTN)

Add mechanical talents and troubleshooting skills to your passion for vehicles

Hands-on training in our state-of-the-art automotive shop combined with classroom learning prepares you to service repairs on all subsystems found in today's gas-powered and hybrid vehicles.

Special focus is placed on basic automotive repair, along with servicing electrical systems and components according to manufacturing procedures. After covering the basics, you'll learn to diagnose and repair everything from steering, suspension, and brakes to computer systems, fuel injection systems, and emission systems. Our program features an optional, paid co-op where you'll apply your skills in an actual work environment.

Program highlights

- Capped enrolment
- 50/50 split between the automotive shop and classroom training
- Educational partnership with ConsuLab
- Diploma equates to 3 levels of required theory towards your apprenticeship Certificate of Qualification
- Optional paid co-op to gain industry training
- Opportunity for select students to participate in the Ontario Skills Competition

Program of study for 2024-25 Academic Year

Students are required to successfully complete an online Lab Safety course (in Moodle) when starting their program at Cambrian. This course must be completed prior to entering the labs (as identified in the table below) in the Schools of Skills Training, Engineering Technology and Environmental Studies.

Semester 1		Credits
APP 1101	Trades Practice & Applications I ¹	6
SID 1205	Computer Methods - Trades	2
SSB 1151	Steering/Suspension/Brakes I ¹	6
DTS 1141	Drive Train Systems I ¹	5
ENG 1002	College Communications	3
Credits		22
Semester 2		Credits
ELC 1217	Electrical & Electronics I ¹	6
MOT 1000	Gas Engines I ¹	5
FLS 1000	Basic Fuel System & Fuel Manag ¹	7
One General Education course. ²		3
Credits		21
Semester 3		Credits
APP 1000	Repairer s Rights and Responsibilities ¹	2
ELC 2303	Electrical Systems & Electronics ¹	8
ENG 1780	Applied Communication II	2
MOT 1002	Gas Engines II ¹	3

PWT 2305	Power Train Controls II ¹	4
One General Education course. ²		3
Credits		22
Semester 4		Credits
DTS 2401	Drive Train System II ¹	5
EFI 2401	Electronic Fuel Injection Systems ¹	5
PRS 1430	Personal Relations Skill & Attitude ¹	2
SSB 1411	Steering/Suspension/ABS Brakes ¹	4
ACS 1000	Air Conditioning Systems 4RS	4
One General Education course. ²		3
Credits		23
Total Credits		88

¹ Course with Lab Component

² For more information regarding General Education courses, click here (<https://cambriancollege.ca/general-education-electives/>).

Admission requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C) or (U)
- Any grade 11 mathematics (C), (U), or (M)

Additional admission requirements

Recommendations

- Automotive-related courses

Program delivery

2024-2025

Fall term start

SEMESTER 1: Fall 2024
SEMESTER 2: Winter 2025
SEMESTER 3: Fall 2025
SEMESTER 4: Winter 2026

Winter term start

SEMESTER 1: Winter 2025
SEMESTER 2: Spring 2025
SEMESTER 3: Fall 2025
SEMESTER 4: Winter 2026

Specific program pathways

College or university degree opportunities

If you are a graduate of this program, you may continue your studies at a college or university and you may receive credit(s) for your prior college education. Refer to Cambrian's college and university agreement (<https://cambriancollege.ca/supports-services/articulation-agreements/>) details for further information.

Employment opportunities

Graduates are prepared for employment opportunities as:

- General automotive service technicians
- Specialty technicians (e.g., electrical/driveability, transmission)
- Service advisors/consultants

- Automotive parts/retail salespersons
- Manufacturing/fabricating/custom work employees

Contacts

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INTERNATIONAL ADMISSIONS

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