

# MOTIVE POWER TECHNICIAN - TRUCK AND COACH (TCTN)

## Ontario College Diploma | 4 semesters | Barrydowne

Want to love your job? Learn something new every day? Develop skills that will help you throughout your life?

Truck and Coach Technicians are in demand and enjoy rewarding careers.

Cambrian College offers a two-year Truck and Coach diploma program that gives you the opportunity to get started towards your career, a career that will challenge you with new technology and provide the satisfaction that you know comes with rolling up your sleeves and getting the job done.

Our Professors are experienced, knowledgeable and passionate about the trade.

Our Truck and Coach program follows the Ontario College of Trades apprenticeship training standard. We also talk to our industry partners to find out what the current trends in the Truck and Coach industry are, so you will receive the training and learn the skills employers are looking for in an apprentice.

We know you love to get into the lab because that is where you learn best; even our theory classes are designed to bring the shop to you with more hands-on, demonstrations and simulations to enhance your learning experience.

Join us to go 'further together' at Cambrian College

### Program Highlights

- 2 years – 4 semesters
- Upon successful completion of our program, your diploma equates to the three levels of theory required towards your apprenticeship Certificate of Qualification.
- Perform service, repairs and diagnostics on trucks, buses, trailers and other types of related equipment.
- Enhanced teaching and learning techniques to develop your critical thinking skills so that you are ready to take on a task from the start to its completion.
- Graduates of this program can come back for a third year and complete the second year of the Heavy Equipment Technician program and receive a diploma in that program as well.

### Optional Paid Co-op

Our program features an optional, paid co-op directly related to your program of study. During this work-integrated learning experience, you'll apply your skills and knowledge in an actual work environment, giving you industry training that you can showcase to potential employers when you graduate.

You will be required to complete work preparation sessions prior to the work term to help you develop an industry-specific resume and effective interviewing skills. Cambrian's Career Centre (<https://cambriancollege.ca/campus-life/career-centre/>) will support you through

this process and will also help you to source and apply for placement opportunities.

International students: Study permits prohibit international students from participating in optional co-ops. However, if you are an international student and are interested in work-integrated learning opportunities, visit Cambrian's Career Centre (<https://cambriancollege.ca/campus-life/career-centre/>) to discuss available options with a career advisor. Opportunities may include volunteer positions or part-time or full-time jobs during academic breaks and/or during the academic year.

### Capped Enrolment Quick Links

How to Apply (<http://cambriancollege.ca/apply/>)

Skills and Trades Training (<http://cambriancollege.ca/field-of-study/skills-and-trades-training/>)

### 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)

APPLY NOW! (<https://www.ontariocolleges.ca/en/apply-now/>)

### Program Delivery

#### 2021-2022

This program will be delivered in the following terms:

##### Winter Term Start

1. SEMESTER 1 Winter 2022
2. SEMESTER 2 Spring 2022
3. SEMESTER 3 Fall 2022
4. SEMESTER 4 Winter 2023

#### 2022-2023

This program will be delivered in the following terms:

##### Fall Term Start

1. SEMESTER 1 Fall 2022
2. SEMESTER 2 Winter 2023
3. SEMESTER 3 Fall 2023
4. SEMESTER 4 Winter 2024

##### Winter Term Start

1. SEMESTER 1 Winter 2023
2. SEMESTER 2 Spring 2023
3. SEMESTER 3 Fall 2023
4. SEMESTER 4 Winter 2024

For specific term start/end dates and other key dates/deadlines, please see the Academic Schedule (<http://cambriancollege.ca/apply/how-to-apply/academic-schedule/>) on our website.

### Program of Study for 2022-23 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.*

<b>Semester 1</b>		<b>Credits</b>
ELC 1120	Electrical & Electronics I <sup>1</sup>	4
HDM 1161	Trade Practices & Applications I <sup>1</sup>	5
HDM 1162	Trade Practices II	4
HDM 1170	Diesel Engines <sup>1</sup>	4
MTH 1010	Trade Math I	3
<b>Credits</b>		<b>20</b>
<b>Semester 2</b>		
HDM 1221	Hydraulics <sup>1</sup>	4
HDM 1230	Fuel Systems <sup>1</sup>	4
SSB 1100	Suspen/Steer/Brake Sys I Pneumatics <sup>1</sup>	4
PWT 1210	Power Train Systems <sup>1</sup>	4
ENG 1002	College Communications	3
One General Education course. <sup>2</sup>		3
<b>Credits</b>		<b>22</b>
<b>Semester 3</b>		
ENG 1780	Applied Communication II	2
TCT 1000	Fuel Systems II <sup>1</sup>	7
TCT 1001	Steering, Suspension & Brake S <sup>1</sup>	7
TCT 1002	Drive Train Systems <sup>1</sup>	6
One General Education course. <sup>2</sup>		3
<b>Credits</b>		<b>25</b>
<b>Semester 4</b>		
TCT 1003	Trade Practices <sup>1</sup>	6
TCT 1004	Electrical/Electronics <sup>1</sup>	7
TCT 1005	Engine Systems <sup>1</sup>	7
One General Education course. <sup>2</sup>		3
<b>Credits</b>		<b>23</b>
<b>Total Credits</b>		<b>90</b>

<sup>1</sup> Course with Lab Component

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

## Fees

### Tuition and Ancillary Fees

Please see our fees page (<http://cambriancollege.ca/fees/>) for the breakdown of tuition and mandatory ancillary fees by program and semester for both domestic and international students.

### Books & Supplies

The cost of books and supplies for Year 1 is approximately \$1700. This is the best information available at the time of publishing to the website and is subject to change.

## Graduate Options

### Employment Opportunities

Graduates may find employment as apprentices in the industry or may find employment in related truck and coach component overhaul and maintenance shops.

## College/University Degree Opportunities

Graduates from this program may continue their studies at college/university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements/>) for further information.

## Contacts

### Larry Richardson

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