

Heavy Equipment Techniques

Program Location:	Lindsay
Program Code:	MPH
Contact:	Kristine Hubers
Credential:	Ontario College Certificate
Start Date:	January 07, 2013
Tuition Fees:	\$5,527.25 per semester. Tuition and fees subject to change.



Fascinated by large machinery and heavy equipment? There's never been a better time to build a career in this growing sector.

Program Highlights

Throughout your Heavy Equipment Techniques program, you will study the overhaul, maintenance and repair of heavy equipment. Upon completion, you will have a comprehensive background in mechanical studies, preventative maintenance, safe shop practices, and equipment management systems.

Success Stories

Derek Doyle, from Peterborough, Ontario graduated recently and has been hired to work as a Technician by Toromont CAT. He is one of six students in the program to be hired by Toromont, along with another 6 students hired from the Electrical Power Generation program.

"I love the program because it's so hands-on. Most people coming in have a general knowledge but we get right to the specifics like hydraulics, powertrains, and how everything works. I find it interesting and even relaxing when I'm working intensely. The key is not to get ahead of yourself," said Derek.

How happy is he to be heading straight from college into his new career? "What a feeling to hear 'you've got job offers,'" Derek beamed as he replied.

Program Coordinator Carmen Moore added, "We can't keep up right now with the demand for graduates. We have more job postings coming in from across Ontario, from the western provinces, the maritimes and the north than we have grads available".

Why Choose Fleming

Studying Heavy Equipment skills at Fleming College pays off in several ways:

- The Centre for Heavy Equipment Technology at Fleming College is the only one of its kind. We're sponsored by the Canadian Association of Equipment Distributors (CAED), Ontario Chapter - with its 200 member companies who sell, service, and use heavy equipment.
- We are known for our up-to-date equipment, quality programs, high industry placement rate, and skilled, knowledgeable instructors.
- Excellent relationships with the industry mean jobs - linking students to potential employment opportunities upon graduation.
- You'll use the latest, state-of-the-art equipment, supplied by our sponsors - no point in learning on outdated equipment, is there?

- **News to note:** The Centre for Heavy Equipment Technology and its programs was recently featured in the July/August 2010 issue of *Aggregates & Roadbuilding* magazine.

Tours of the Heavy Equipment Centre are available every Wednesday from 2:30 pm to 4:30 pm. Tours are approximately 30 minutes. Book a tour by calling 1-866-353-6464 ext. 3234. You can also arrange a tour of the main campus and residence either before or afterwards.

The Toromont CAT **THINK BIG** Scholarship is available to students who are currently employed by or who have previously been employed by Toromont CAT as a high school co-op in a skilled trade, and who plan to enroll in this program. Please check out your eligibility and application details at the Toromont CAT website. A bursary is also available from Premier Peterbilt (value \$1000). Check the Bursaries and Scholarships page on the college website.

Work Experience

Students complete their paid internship over the summer semester.

Is this You?

Besides a desire to work with large equipment, it would help if you have the following skills and characteristics:

- math skills
- computing ability
- strong customer service orientation
- self-motivation, discipline
- good manual dexterity
- willingness to work long/various hours

Students would benefit by having basic computer skills including e-mail, word processing, file management and internet web browsing. Previous experience with heavy equipment, machinery, or vehicles would be an asset.

Career Opportunities

There are opportunities for graduates, particularly for women considering a non-traditional trade. Whether you want to work close to home, or want to try out a new locale and culture, there are many jobs, and the starting wage is about \$16.00 per hour. A good technician can make a living in the high \$50,000.00 to low \$60,000.00 per year, and with overtime, significantly more. The jobs are to be found in repairing earth moving, aggregate extraction, forest harvesting, materials handling, transportation, and mining equipment. With experience, you may become a:

- heavy equipment technician
- field service technician
- product specialist
- business owner

Besides hands-on jobs involving the repair of equipment, there are other career opportunities - such as positions in product support, sales, or parts.

Minimum Admission Requirements

OSSD with the majority of credits at the College (C) and Open (O) level, including:

- 2 College (C) English courses (Grade 11 or Grade 12)
- 1 College (C) Math course (Grade 11)

When (C) is the minimum course level for admission, (U) or (U/C) courses are also accepted.

Mature Students

If you are 19 years of age or older before classes start, and you do not possess an OSSD, you can write the Canadian Adult Achievement Test to assess your eligibility for admission. Additional testing or academic upgrading may be necessary to meet specific course requirements for this program.

Related Programs

Upon graduation, you can enter directly into the fourth semester of the new Electrical Power Generation Technician program. With this one additional semester of study, you can obtain an Ontario College Diploma, expand your skills, and your career opportunities.

Additional Costs

Plan on spending about \$1,150 for books, tools and supplies.

Curriculum for Heavy Equipment Techniques

Semester 1

Code	Course Name	Hours
MECH 6	Basic Shop Practice	42
ELCT 8	Electrical Systems I	75
MECH 19	Engines I	75
MECH 30	Hydraulic Systems I	75
MECH 46	Parts, Maintenance and Service	45
MECH 48	Powertrains I	75
MECH 71	Welding & Materials	18
GNED 33	Professional Portfolio Development	45

Semester 2

Code	Course Name	Hours
APST 31	HET Internship	450

Semester 3

Code	Course Name	Hours
ELCT 9	Electrical Systems II	75
ELCT 11	Electronic Engine Management	60
MECH 20	Engines II	75
MECH 31	Hydraulic Systems II	75
MECH 49	Powertrains II	75
MECH 52	Shop Practice	45
GENED	General Education Elective	

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