FACULTY OF ENGINEERING
University of Windsor

BACHELOR OF ENGINEERING TECHNOLOGY *(BEngTech)*

Engineering technology is a field of study that focuses on the applications of engineering and modern technology in areas such as product improvement, manufacturing, construction, and engineering operational functions.

The University of Windsor's Faculty of Engineering has launched a new program in Engineering Technology that will prepare its grads for the job market with hands-on experience.

This is a program for you if you meet one of the following requirements:

a) A three-year Canadian college technology diploma holder (or an equivalent overseas Institution)
b) An engineering degree from an accredited Canadian university (or an equivalent overseas institution)
c) A four-year university degree in a scientific or technical subject from a Canadian University (or an equivalent overseas institution)

Why a degree in Engineering Technology?

a) You want to upgrade your college education by taking university level courses
b) You want to gain a North American educational experience
c) You want to improve your job search endeavour by combining the practical college experience with a more in-depth university education

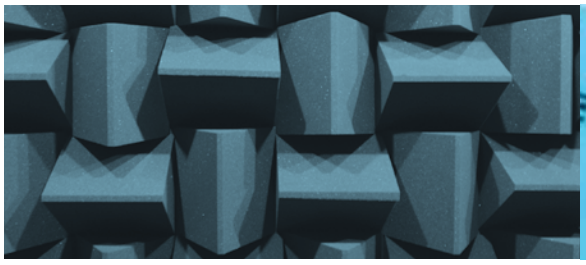
Common positions for graduates include product design, testing, development, systems engineering, field engineering, technical operations, and quality control.

Admission requirements

Normally at least a 70% average from your completed college diploma or equivalent.

How long will it take to complete the BEngTech degree?

On a full-time basis, it can be completed in three consecutive semesters (i.e. one full year.)



www.uwindsor.ca/BEngtech



NOTE: If your plan is to obtain the professional engineering designation, the BEngTech may help you to achieve your goal subject to the provincial regulations.

Degree requirements and courses

You must take at least 15 engineering courses (six 200-level courses, five 300-level courses, and four 400-level courses.)

Your course schedule will be set and discussed by an academic advisor to ensure your successful completion of the program. The nature of these depends on the concentration in college diploma or previous university degree.

Sample courses:

201 Engineering Management & Globalization
212 Thermodynamics I
219 Materials in Civil and Environmental Engineering
220 Civil Engineering Information Systems
222 Treatment of Experimental Data
230 Advanced Engineering & Design
232 Engineering Software Fundamentals
234 Electrical and Computing Fundamentals
250 Engineering & the Environment
302 Health, Safety and Human Factors
310 Structural Analysis
311 Computer-Aided Design and Computer-Aided Manufacturing
313 Engineering Economy
314 Transportation and Traffic Engineering
325 Planning and Construction Management
330 Fundamentals of Automotive Engineering
412 Mechatronics
413 Engineering Report (a mandatory course)
421 Engineering and Society
428 Environmental Assessment

Does OSAP apply to BEngTech degree?

YES. As long as you meet the OSAP requirements.

Why the University of Windsor?

Our Faculty of Engineering is known as a leader in innovation. We were the first in Canada to offer a degree in automotive engineering and one in environmental engineering. UWindsor has developed a unique operating model for industry/academic collaboration which has resulted in two large, state-of-the-art vehicle R&D centres:

- University of Windsor-Chrysler Automotive R&D Centre (ARDC); and
- University of Windsor-International Truck and Engine Centre for Innovation (specializing in heavy vehicles)

These R&D centres have a total of more than 34,000 sq. m. and more than $900 million invested since 1996.

As well, construction has begun on the $112-million, 300,000-sq.ft. Centre for Engineering Innovation (CEI). This facility will provide our students with innovative teaching spaces and research laboratories to allow them to explore engineering in all the amazing disciplines we offer, as well as emerging and exciting fields such as environmental sustainability, alternative energy, nanostructures, lightweight materials, and more efficient manufacturing systems. Our students will even be able to learn from the building itself! The CEI will be constructed of recycled materials where possible, and will incorporate a green roof, water recycling, low-energy heating and other sustainability systems. It will be also be a “living” building, where students can view and assess in real time the building’s own electrical, mechanical, civil and environmental engineering systems at work through the life cycle of the facility. The CEI will be a place to connect students, educators, researchers, industry, and business, and more importantly, will be a place that our engineering students can call their very own.

For further information please contact:

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www.uwindsor.ca/BEngtech

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