

**OntarioTech** Engineering & Applied Science

PROGRAM GUIDE 2024-2025

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in Ontario, eighth in Canada, and one of the best universities to study engineering (US News)



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industry partners for work-integrated learning opportunities

88%

of our graduates are employed. Of the 88%, 72% are employed within their field of study

# First Year at a Glance

The Faculty of Engineering and Applied Science offers hands-on, innovative, and high-quality education promoting innovation and growth.

### FOUNDATION YEAR

All engineering students begin with a common foundation year, regardless of the program of study. During the foundation year, you will learn about the various engineering programs available.

#### FIRST-YEAR ENGINEERING SUCCESS PROGRAM

#### ontariotechu.ca/engineeringsuccess

This program assists you with your transition to university-level engineering courses and any challenges you may have while adjusting to life at university.

### **GUARANTEE FIRST-YEAR** RESIDENCE

#### ontariotechuresidence.ca

Our student housing is conveniently located minutes away from campus lecture halls, so you never have to worry about being late for any of your classes. You'll also have plenty of opportunities to get involved in many of our campus events and activities.

### GIVING ENGINEERS ACADEMIC RESOURCES

#### ontariotechuresidence.ca/gears-community

Our Living Learning Community within our Residence is a dedicated area where Ontario Tech University Engineering students are able to live surrounded by their Engineering peers. The GEARS community is a mixture of first year and upper year students allowing for a diverse range of knowledge and experience to promote collaboration.



# **Cooperative Education**

All of our undergraduate Engineering programs include co-operative (co-op) education opportunities, providing experiential learning that integrates academic studies with paid work experiences.

#### **WHY CO-OP?**

Co-op opportunities allow students to develop tangible skills and gain valuable work experience while pursuing their undergraduate degrees. Students will have the chance to apply academic concepts to solving real-world problems! Ontario Tech Engineering Co-op helps set students apart by gaining industry experience before graduation.

### HOW LONG IS CO-OP?

Our unique and flexible co-op program allows students to alternate study semesters with 4, 8, 12 or 16-month paid work terms. Many students choose to complete a 4month co-op after 2nd year and a 8, 12 or 16-month coop internship after 3rd year.

#### **WHAT IS THE CO-OP DESIGNATION?**

Students in the co-op stream who successfully complete a minimum of three 4-month work terms will graduate with the co-op designation on their degree parchment. Typically this extends the program of study by one year.

# >>>> FAST FACTS >>



**400+** students participate each year



**100+** employers with more added every year



**600+** co-op jobs posted annually on the career portal

**Engineering Co-op Office** engineering.co-op@ontariotechu.ca



# Students have two options for admission:

- 1. Select the co-op option on the OUAC application.
- 2. Apply after completing 1st year of study at Ontario Tech.

All students must fully complete their first year of study with a minimum cumulative GPA of 2.3 to remain in or be admitted into the program\*. International students must be legally entitled to work in Canada.

### Setting Students Up for Success

The Engineering Co-op Office is dedicated to assisting students from the beginning until the end of their coop journey. As part of the program, students are required to complete ENGR 1000W - Professional Competencies for Engineers in the fall semester of 2nd year. The course is designed to prepare students for their first co-op work term.

## **Select Industry Partners**



### \*For more information about co-op, visit engineering.ontariotechu.ca/co-op



# Outside of the Lecture Hall

We offer a multitude of clubs ranging through different interests, societies where like-minded individuals can meet, and design teams to bring engineering from the lecture hall to the real world.



**Robot in 3 Days** will bring together engineers from all disciplines to design, build, and program a robot in 72 hours



Be suppourted and advocated for by the **Ontario Tech Engineering Students' Society** 

Volunteer or work with **Ontario Tech Engineering Outreach** to bring STEM to youth K-12





On the **Ontario Tech Racing Team**, you'll work together to create an electric Formula SAE car



Find your community with the **Women** in Engineering Sub-Society

#### Soar to new heights in the **Ontario Tech Space & Rocketry Team**



Other groups include:

- American Society of Mechanical Engineers
- National Society of Black Engineers
- Design League
- Engineers Without Borders
- EngiQueers
- North American Young Generation in Nuclear
- Women in Nuclear

## <u>Click here to go to the Clubs,</u> <u>Teams, and Societies page.</u>



## Comprehensive Engineering

# Decide what program to study after your first year of studies

The comprehensive Engineering option is intended for those who are undecided on which engineering program they want to take. Prior to year 2, you're required to apply to change to one of the following engineering programs:

#### PROGRAMS

- Automotive
  Engineering
- Electrical
  - Engineering
- Energy Engineering
- Industrial
- Engineering

- Manufacturing
  Engineering
- Mechanical Engineering
- Mechatronics
  - Engineering
- Nuclear Engineering
- Software Engineering

Changing programs in competitive; admission is not guaranteed to your program of choice and you may be placed in another engineering program if you do not meet the requirements.



## Automotive Engineering

### Canada's only accredited Automotive Engineering program

Our curriculum emphasizes the design and manufacturing of automobiles, and their related components, including engines and their analysis and design, vehicle dynamics, and autonomous vehicle technologies.

## Consider Automotive Engineering if you find yourself asking questions such as:

How will advances in electric and hybring vehicles impact the future of traditional internal combustion automobiles? What is the role of humans in autonomous vehicles? Should vehicles have the ability to communicate with each other independently of their drivers to improve highway safety? How will modern vehicle design evolve and what features will distinguish them? How will advances in fuel cells impact future vehicle design?

- Automotive Instrumentation and Controls
- Automotive Structural Design
- Chassis System Design
- Combustion and Engines
- Control Systems
- Electric and Hybrid Vehicles
- Kinematics and Dynamics of Machines
- Machine Design
- Powertrain Design
- Vehicle Dynamics and Control

In the first-year of Automotive Engineering, I participated in the Peer Mentoring program, in which an upper-year engineering student provided me with help and guidance as I transitioned to university in Canada. Between Year 2 and 3, I secured my own summer work placement at General Motors in Oshawa where I obtained handson experience in the automotive sector. In Year 4, I completed my capstone project, coming out of it with valuable skills and knowledge. DUMEBI ELUEME Bachelor of Engineering (Honours) in Automotive Engineering Class of 2021

#### > What can I do with my degree?

- Automation, control, and active safety
- Automotive design, production, maintenance, repair, and testing
- Automotive research and development
- Engineering sales and marketing
- Manufacturing of vehicles and components
- Systems engineering and integration
- Trucking industry and transportation systems





## Electrical Engineering

### Preparing graduates for employment in the Canadian electrical industry

Electrical engineers are highly employable and can find work in many industries. Our Electrical Engineering program teaches students to apply knowledge through analysis, design and implementation of electrical, power, control, electronic, biomedical, photonic, and wireless systems. The curriculum assists students in understanding and applying the principles of electrical engineering and of the Canadian electrical engineering industry.

## Consider Electrical Engineering if you find yourself asking questions such as:

How will the improvement of battery storage affect the market for electric vehicles What is a smart grid and how will it transform the way we manage energy? What are intelligent systems and how will they impact the future of engineering design? How will the rapid evolution of wireless communication technologies, satellites, GPS and the Internet change our way of living? How do autonomous vehicles navigate?

- Applications for Electromagnetics
- Circuit Analysis
- DSP Theory and Design
- Electric Machines
- Electric Circuit Design
- Microwave and RF Circuits
- Power Systems
- Signals and Systems
- Wireless Communications

## SMART GRID SPECIALIZATION

The specialization in Smart Grid leverages communications and networking technology to move our aging power grid into the 21st century. Students will study all aspects of the smart grid, including networking and security, smart metering, electric energy storage systems, power quality, and transportation electrification.

Specializations do not lengthen the time it takes to get your degree

#### > What can I do with my degree?

- Design and develop new electronics, for automation power, and communication systems
- Design new algorithms for signal processing, communications, control, and power
- Pursue graduate studies at the masters and doctorate level
- Develop power, communication, transportation, and medical systems and devices
- Work in electrical power generation and distribution
- Work in quality assurance and maintenance of communication, control, and power





## Energy Engineering

### One of two <mark>new</mark> engineering programs at Ontario Tech University

Energy Engineering graduates will be prepared to work across the energy sector and support the energy transition in Ontario, Canada, and globally. This program is design to help its graduates develop, operate, and service innovative energy systems and applications to meet the growing demand and provide timely soloutions.

## Consider Energy Engineering if you find yourself asking questions such as:

Who will solve current energy problems and provide sustainable soloutions for the future? What are the roles of renewable energy systems and hydrogen energy technologies? Why do we need clean energy technologies? How will the hydrogen economy evolve and what technologies will play a significant role? How will digitalization through artificial intelligence play a critical role in energy systems design, analysis, assessment, control, monitoring, and management?

- Electro-mechanical Energy Conversion
- Energy and Evnironmental Impacts
- Fundamentals of Smart Grid
- Hydrogen and Fuel Cells
- Integrated Energy Systems
- Introduction to Energy Systems
- Power Systems
- Radiation and Nuclear Technologies
- Solar Energy
- Wind and Hydro Energy

### WHY ENERGY?

What used to be soley a specialization on the mechanical engineering degree, energy engineering is a multidisciplinary program to meet the growing need of the energy industry and prepare students with the knowledge of the broad field of energy. The program will contribute significantly to provincial, national, and global objectives of transitioning to lowcarbon economies and striving for 'net-zero' emissions.

#### What can I do with my degree?

- Consultancy for energy and utility companies
- Developing new buissness as an entrepreneur
- Energy and utility management
- Energy planning, and strategy and policy developments
- Energy specialists in financial and banking sectors
- Energy system design, analysis, assessment, improvement, and implementation
- Marketing and sales careers
- Officer in international organizations
- Research, innovation, and technology developments



## Health Physics and Radiation Science

Preparing graduates for industry-level jobs in high-demand

Energy supply, medicine, agriculture, national security, manufacturing and resource-based industries are all examples of where the uses of radioactive materials or radiation-generating machines are an essential part of their operations. Radiation science recently has seen huge advances in techniques for material science using advanced radiation sources such as synchrotrons, neutron spallation sources and reactor neutron beams.

## Consider Health Physics and Radiation Science if you find yourself asking questions such as:

How do we ensure the safety of scientists and technologists while working with radiation? How do we ensure the safe operation of nuclear power plants?

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How do we ensure regulation of industries in the presence of radiation?

How can radiation scientists contribute to space exploration where there is radiation?

How can we protect the environment and people from harmful effects of radiation, relative to natural background radiation?

How can radiation scientists contribute to national security?

How can radiation scientists contribute to fighting pandemics and pathogens?

- Industrial Applications of Radiation Techniques
- Introduction to Nuclear Reactor Technology
- Medical Imaging
- Radiation Biophysics and Dosimetry
- Radiation Detection and Measurement
- Therapeutic Applications of Radiation Techniques

## WHY HEALTH PHYSICS AND RADIATION SCIENCE?

The number of university programs in Health Physics and Radiation Science in Canada is limited. As an undergraduate in our program, you will become a member of a very specialized and select group, increasing your competitive advantage and enhancing your appeal to major employers. Learning occurs in various settings, including lectures, tutorials, field visits, and laboratories. These programs include mandatory liberal arts electives and business courses designed to develop students' interpersonal, problem-solving, and holistic thinking skills.

#### What can I do with my degree?

- Environmental radiation monitoring and safety
- Non-destructive material testing
- Radiation applications in healthcare
- Radiation protection for
  - Nuclear power plants and installations
  - Nuclear waste management
  - Regulation and compliance
  - Resource extraction and mining
- Work in industrial applications of radiation
- Work internationally in both nuclear power and nonpower applications of radiation technologies





## Industrial Engineering

**Optimizing** and improving complex engineering processes.

Industrial engineering is an engineering discipline that integrates several branches of engineering education with the objective of optimizing and improving complex engineering processes, systems, or organizations. The skill sets that Industrial Engineers acquire are versatile. This allows them to engage in many different activities such as supply chain management, quality assurance, and project management.

## Consider Industrial Engineering if you find yourself asking questions such as:

What impact does artificial intelligence and machine learning have on major industries? How can you implement innovative integrated systems of people, knowledge, and equipment with financial effectiveness? How do you verify that data is correct? What does the concept of total quality control refer to and is it achievable?

- Artificial Intelligence and Machine Learning
- Human-System Integration
- Industrial Cyber-Physical Systems
- Industrial Data Analytics
- Industrial Internet of Things

### WHY INDUSTRIAL?

There is a high demand for industrial engineers in Canada and the United States. This new program will help meet this demand and train engineers to enter the workforce. This engineering integrates several branches of engineering education to optimize and improve complex engineering processes, systems, or organizations. Like other engineering programs, hands-on experience and project-based courses are integral to the new industrial engineering program.

#### What can I do with my degree?

- Agriculture
- Automotive aerospace
- Chemical industries
- Construction and site development
- Consumer products
- Health care systems
- Heavy and precision machinery
- Information/telecommunications
- Machines and mechanisms
- Oil and gas industries
- Pharmacology
- Power generation
- Robotics and automation
- Transportation





## Manufacturing Engineering

### One of Canada's only fully accredited Manufacturing Engineering program

This unique program emphasizes the design, development, planning, selection, improvement and application of advanced manufacturing processes. You'll learn about advances in materials and composites, robotics, automation, and intelligent controls while considering the integration between tools, processes, and equipment with cutting-edge manufacturing facilities and systems.

## Consider Manufacturing Engineering if you find yourself asking questions such as:

- Will access to 3D printers change the way consumers are able to quickly make their ideas come to life?
- With advances in robotics and automation, how can manufacturers redesign their facilities to be more cost-effective?
- How will additive, subtractive, and traditional manufacturing reshape the manufacturing industry?
- How does the need for environmentally friendly processes drive the future of manufacturing?

- Computer-Aided Design
- Design for Manufacturing
- Engineering Economics
- Integrated Manufacturing Systems
- Kinematics and Dynamics of Machines
- Life-Cycle Engineering
- Manufacturing and Production Processes
- Principles of Material Removal Processes
- Quality Control
- Reliability and Maintenance
- R obotics and Automation
- Thermo-Mechanical Processing of Materials

### WHY MANUFACTURING?

You'll learn about advances in materials and composites, robotics, automation, and intelligent controls while considering the integration between tools, processes, and equipment with cutting-edge manufacturing facilities and systems. In addition to classroom lectures, students participate in tutorials, laboratories, computer simulations, field visits, and research and design projects.

#### > What can I do with my degree?

- Economic analysis and accounting
- Manufacturing system and facility design
- Operations analysis and management
- Product design and development
- Systems engineering and integration





## Mechanical Engineering

# Gather hands-on knowledge and experience of systems

This program focuses on the analysis and design of machines, and how they work. Using principles of engineering, physics and materials science, you'll gain hands-on experience in a wide range of technologies—from robots, to vehicles and small medical devices, to sustainable energy systems.

## Consider Mechanical Engineering if you find yourself asking questions such as:

How will engineering designs meet customer desires and industry needs, while ensuring safety? How will advances in power-generation systems including hydrogen, solar electric and nuclear power—impact the environment? What advances have been made in materials, and how will this open the door to new designs and devices?

How does the push for improved building energy efficiency impact businesses? How can the development of microfluidic devices help protect people living in developing countries?

- Advanced Solid Mechanics and Stress Analysis
- Applied Thermal and Fluids Engineering
- Computer-Aided Design
- Control Systems
- Heat Transfer
- Kinematics and Dynamics of Machines
- Manufacturing and Production Processes
- Mechatronics
- Robotics and Automation

#### What can I do with my degree?

- Control systems
- Energy systems and simulation management
- HVAC projects
- Materials and manufacturing systems
- Mechanical systems
- Power generation
- Quality control and management
- Research and development of new technologies
- Robotics and automation solutions

### **ENERGY SPECIALIZATION**

Energy engineering is increasingly focused on the efficient and environmentally responsible use of energy systems, as well as energy security and reliability. Students in the Energy Engineering specialization within the Mechanical Engineering program specialize in all aspects of energy, from its generation to its end use, including energy conversion, storage, transportation and distribution.

Specializations do not lengthen the time it takes to get your degree





## Mechatronics Engineering

### **Combining** Mechanical, Electrical, and Software Engineering

This multidisciplinary program brings together mechanical, electrical, and software engineering. You'll gain an understanding of how the design of mechanical systems must work together with electronic and computer controls. Examples of mechatronic systems include surgical robots, industrial automation systems, autonomous vehicles, and drones.

## Consider Mechatronics Engineering if you find yourself asking questions such as:

- How will the fusion of traditional mechanical systems—with electronics and software—advance engineering design?
- How will intelligent, autonomous robots be integrated into workplaces of the future? Will artificial intelligence have a role to play in embedded systems?
- How will robotic systems transform industries to make them more efficient and intelligent? How will this impact the human workforce? How can an efficient mechatronics system improve product design and manufacturing?

- Actuators and Power Electronics
- Electrical Circuit Design
- Fluid Mechanics
- Industrial Automation
- Introduction to Real-Time
- Embedded Systems
- Machine Design
- Mechatronics Design
- Microprocessors and
- Digital Systems
- Robotics and Automation
- Sensors and Instruments

Following my second year of classes, I completed a four-month paid co-op with Quasar Consulting. After my co-op experience, I knew that staying as hands on as possible was important to my learning and secured two more paid co-ops with Nuclear Promise X during my time at university. When I graduate next year, I will already have 12 months of engineering industry experience towards my **Professional Engineers Ontario** license. NOOR KHABBAZ Bachelor in Engineering (Honours) in

Mechatronics Engineering Class of 2022

#### What can I do with my degree?

- Automation Engineer
- Controls Engineer
- Electro-Mechanical Systems Engineer
- Real-Time Systems Engineer
- Robotics Engineer





## Nuclear Engineering Canada's only accredited Nuclear

## Engineering program of its kind

Our Nuclear Engineering program was designed to meet a worldwide need for graduates in the field of nuclear engineering. Although the program's primary focus is nuclear power plant engineering, the curriculum is sufficiently broad-based, so you will be well qualified for careers in many applications of nuclear technology and energy-related fields.

## Consider Nuclear Engineering if you find yourself asking questions such as:

- How is Nuclear engineering more than just power plants?
- What is the amount of nuclear power used in Ontario and Canada?
- How can nuclear power help climate change? What are the future nuclear reactors - including small and micro modular reactors - going to look like?
- How does the nuclear industry work with other engineering disciplines?
- How do other industries such as medicine integrate with Nuclear engineering?

- Engineering Graphics and Design
- Nuclear Fuel Cycles
- Nuclear Physics
- Nuclear Plant Design and Simulation
- Nuclear Safety
- Radioactive Waste Management Design
- Radiation Protection
- Reactor Control
- Thermodynamic Cycles

In Year 3, I had the opportunity to visit the Port Hope Area Initiative's Historic Waste Program Management Office, as well as Ontario Power Generation's (OPG) Waste Management Facility. During these visits, I was able to connect with industry professionals who provided me with guidance on how to prepare myself for my future career. Before my last year, I took on the developmental student roles in Canadian Nuclear Laboratories and OPG, where I applied my skills and knowledge obtained from engineering courses to real industrial applications. EDDY ZHOU Bachelor of Engineering (Honours) in Nuclear Engineering and Management Class of 2016

#### What can I do with my degree?

- Control and Instrumentation Engineer
- Energy Engineer
- Fuel Design and Manufacturing
- International Nuclear and energy technology management
- Nuclear Commissioning, Regulation and Standards Specialist
- Nuclear Energy Plant Design and Operations Consultant
- Nuclear Engineer or Scientist
- Nuclear Policy, Advocacy, Influencer
- Project Management
- Waste Management





## Software Engineering

# A rapid and continuously developing profession world-wide

This program provides the required design and development expertise for developing robust software systems in a continually advancing sector. The array of software engineering applications continues to grow. It ranges from special-effects software for the movie industry, to software controlling devices such as digital cameras and robots, to the software that drives businesses and the financial sector.

## Consider Software Engineering if you find yourself asking questions such as:

What is cloud computing, and how can we ensure individual privacy and security? How can I design and build an app for my mobile phone?

What impact will artificial intelligence have on the development of software and engineering design? How will mobile phones interact with connected vehicles and smart environments? How can we build an intelligent traffic system?

- Artificial Intelligence and Data Mining
- Cloud Computing
- Computer Networks
- Distributed Systems
- Embedded Systems
- Operating Systems
- Software and Computer Security
- Software Design and Architecture
- Software Project Management
- Software Quality
- Systems Programming

## INTERNET OF THINGS SPECIALIZATION

The Internet of Things (IoT) specialization within the Software Engineering program offers specialized technical courses on design and analysis of IoT software systems, connecting IoT devices and services to the cloud, sensor data collection and analysis, and mobile programming.

Specializations do not lengthen the time it takes to get your degree

#### What can I do with my degree?

- Design and development of large, data-driven software systems for a variety of platforms and devices
- Design of animation, visualization and entertainment software
- Development of productivity, database and financial software solutions
- Management of software projects, computer networks and cloud-based applications
- Quality assurance and software systems maintenance
- Make this book!



# **Graduate & Postdoctoral Studies**

ontariotechu.ca/gradstudies

With more than 40 master's, PhD and graduate diploma programs, your possibilities are endless. Our unique research environment and advanced education ecosystem will help you grow and excel within your field, and position you for a rewarding career and personal growth.

#### ENGINEERING PROGRAMS

- Automotive Engineering (MASc and MEng)
- Electrical and Computer Engineering (MASc, MEng and PhD)
- Engineering Management (MEngM and graduate diploma)
- Mechanical Engineering (MASc, MEng and PhD)
- Nuclear Design Engineering (graduate diploma)
- Nuclear Engineering (MASc, MEng and PhD)
- Nuclear Technology (graduate diploma)
- Software Engineering (MASc and MEng)

#### FIELDS OF STUDY

Many of our graduate programs have unique fields of study that allow you to focus on a specific area of specialization or concentration.

To find out if your program has a field of study, visit ontariotechu.ca/programs.

MASc	Master of Applied Science
MEng	Master of Engineering
MEngM	Masters of Engineering Management
MASc	Masters of Applied Science
PhD	Doctor of Philosophy



# Scholarships

ontariotechu.ca/scholarships

You've worked hard for your grades and we want to recognize that. We offer a variety of supports to help you finance your education.

#### **AWARDS OF RECOGNITION**

If you're a current Canadian secondary school student, you're automatically awarded the following based on your top six final 4U/4M courses (or equivalent):

\$4,000	95 per cent or higher
\$2,000	90 to 94.9 per cent
\$1,000	85 to 89.9 per cent

#### IN-COURSE SCHOLARSHIPS\*

We'll continue to acknowledge your academic achievements during your undergraduate degree, based on your grades in the previous academic year:

\$1,500	4.0 GPA or higher
\$1,000	3.7 to 3.99 GPA

\*Minimum GPA and course load required and you must be returning to full-time studies. Amounts vary based on GPA and donor contributions.

#### WOMEN FOR STEM SCHOLARSHIP PROGRAM

Twenty scholarships of \$5,000 each, automatically awarded to women with high averages entering STEM programs.

This program includes mentorship, special events and a \$2,000 renewable opportunity for qualified students.

#### MAJOR ENTRANCE SCHOLARSHIPS

#### **Application required**

✓ I applied to Ontario Tech University!

- I have at least an 85 per cent average.
- o I am an exceptional leader.
- I am an active participant in my community.

\$36,000 Chancellor's Scholarship\* One valued at \$36,000 (\$9,000 x four years)

#### \$30,000 President's Scholarship\*

Two valued at \$30,000 (\$7,500 x four years) \$24,000 Founder's Scholarship\* Two valued at \$24,000 (\$6,000 x four years) \$12,000 First Robotics Canada Scholarship\* One valued at \$12,000 (\$3,000 x four years)











## Admissions

ontariotechu.ca/admissions

### Applying to Ontario Tech

Not sure where to start when it comes to applying? First, you'll want to understand admission requirements and prerequisites for the program(s) you're applying to. Then, you'll apply to university through the Ontario Universities Application Centre (OUAC), using the Undergraduate Application.

Questions? Email us at connect@ontariotechu.ca, we're here to help you every step of the way. We can't wait to welcome you to the #ridgebackpack!

#### AP AND IB TRANSFER CREDITS\*

Transfer credit may be awarded if you have completed Advanced Placement (AP) or International Baccalaureate (IB) courses:

#### AP

- Minimum score of four on AP exams.
- Maximum of 18 credit hours can be granted.

#### IB

- Minimum score of five on higher-level IB examination.
- Maximum of 18 credit hours can be granted.

ÅP and IB transfer credit are not awarded for engineering programs.

## **Admission requirements**

**ontariotechu.ca/admissions** Want course-specific information? Visit ontariotechu.ca/calendar.

PROGRAM	ONTARIO SECONDARY SCHOOL DIPLOMA (OSSD)	INTERNATIONAL BACCALAUREATE (IB)
Automotive Engineering	ENG4U, MHF4U, MCV4U, SCH4U and SPH4U Master of Engineering Masters of Engineering Management Masters of Applied Science Doctor of Philosophy	English, Chemistry, Physics <b>and</b> one of: Mathematics: Analysis and Approaches <b>or</b> Mathematics: Applications and Interpretation (HL)
Comprehensive Engineering		
Electrical Engineering (Smart Grid)		
Energy Engineering		
Industrial Engineering		
Manufacturing Engineering		
Mechanical Engineering (Energy)		
Mechatronics Engineering		
Nuclear Engineering		
Software Engineering (Internet of Things)		
Health Physics and Radiation Science	ENG4U, MHF4U <b>and</b> two of: MCV4U, SCH4U, SBI4U <b>or</b> SPH4U	English, <b>and</b> one of: Mathematics: Analysis and Approaches <b>or</b> Mathematics: Applications and Interpretation (HL) <b>and</b> one of: Biology, Chemistry <b>or</b> Physics





## **Apply now!**

You are one step closer, don't forget these important dates...

#### SEPTEMBER

#### Get to know us!

Tour the campus, meet with a recruiter, read our Student Speak blog and follow us on social media **@otfuturestudent**.

#### NOVEMBER

#### Saturday, November 4 Attend Open House.

#### JANUARY

#### Monday, January 15

Application deadline for current Ontario secondary school students for fall 2024 admission.

#### FEBRUARY

#### Thursday, February 22

Application deadline for the Chancellor's, President's and Founder's scholarships, and FIRST Robotics Canada Scholarship.

#### MARCH

#### Saturday, March 23

Attend the Experience Day event.

MAY

#### Wednesday, May 29

Last date current Ontario secondary school students—who applied by the January 15 deadline—will receive a decision on their application.

#### JUNE

#### **Monday, June 3** Deadline to accept your offer of admission.

Residence applications must be received to guarantee your spot.

#### Friday, June 7

Deadline to pay your \$500 non-refundable tuition deposit.

**LATE JUNE TO EARLY JULY** Register for your classes.





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O ← Otfuturestudent ot\_feas

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