

# FACULTY OF ENGINEERING & ARCHITECTURAL SCIENCE

Admissions Viewbook 2026



Toronto  
Metropolitan  
University

# Turn your curiosity into real-world solutions

Are you someone who looks at things differently? Do you believe in using your skills and creativity to make life better for others? At Toronto Metropolitan University (TMU), we empower like-minded Engineering and Architectural Science students to get practical experience solving the challenges that matter most to them.

Whether it's advancing sustainable transportation, evolving cancer detection or designing inclusive spaces, our Faculty of Engineering and Architectural Science (FEAS) can help you push the boundaries of innovation. You'll have opportunities to make a real-world impact through groundbreaking lab research, industry co-op placements, startups and competition teams.

Join TMU and FEAS to become part of a diverse, friendly community of problem-solvers ready to help you thrive.

[torontomu.ca/engineering-architectural-science](https://torontomu.ca/engineering-architectural-science)

## #1

University in Ontario for student services

## 10

Undergraduate programs

## 65

Minors to customize your degree

## 11

Graduate programs

## 6,100+

FEAS undergraduate students


Front cover image: Toronto MetRobotics competing at the 2025 University Rover Challenge in Hanksville, Utah.  
Photo credit: Raven Zhang Liu





## Find your way

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One of many labs housed in the Urban Water TMU centre.



# Life in the big city

University life is exciting in the heart of Canada's most dynamic city. From our compact, walkable campus in the centre of downtown Toronto, you'll experience diverse neighbourhoods, world-renowned festivals, popular sports teams, trails and green spaces, a celebrated food scene and more. The city's vibrant environment will provide endless inspiration and opportunities to learn and grow.



12

Professional sports teams



700+

Film and music festivals





**200+**

Globally inspired cuisines



**1,600+**

Green spaces



**24K+**

Tech companies



**100+**

Street festivals and celebrations



# Co-op and internships

Get an edge in today's competitive job market with unique co-ops and internships that empower you to hone your skills while being mentored by leading professionals.

After completing your third year, you can continue in your regular program, or start a paid co-op or a paid internship program.\* Our co-op program gives you eight to 16 months of real-world experience, and you'll graduate with a co-op designation as part of your degree name.

## \$52K+

Average annual co-op salary of FEAS students

**"My experience with the co-op and internship program has been incredibly positive. Their one-on-one appointments helped me to increase my application success and land a position at Toronto Hydro."**

**VIKRAM PRASHAR**

Computer Engineering (Co-op), Class of 2024

\*Co-op is mandatory in Chemical Engineering Co-op and optional in all other programs. You're eligible to apply in second year.


Students working at TMU's Centre for Advancing Engineering, Research and Innovation in Aerospace (AERIAS).



# Local and international experiences

Confront climate change in Colombia. Study affordable housing in Italy. Design communal structures in Toronto. Here, you'll be empowered to expand your education globally through research assistantships, summer programs, study exchanges, conferences and more.

If you're an Engineering student, you can broaden your perspective with international research and short-term opportunities. If you're an Architectural Science student, you can choose from a variety of exchange destinations or faculty-led, course-based experiences. Wherever you go, you'll gain valuable experience working closely with peers and faculty researchers — here at home and around the world.



Architectural Science students travelled to Barcelona in summer 2025 as part of their Advanced Architecture Studio to study the city and its design museums.



# Innovation and research

Work alongside some of the world's top researchers and help propel engineering or architectural science into the future, from developing medical devices that can identify diseases to advancing aerospace technology using robotics, designing net-zero cities and more.

Step outside of the lab and into an incubator to pursue a passion project, help launch a startup or launch one of your own through our Zone Learning network of entrepreneurial and innovation spaces. With the support of industry experts, faculty and fellow students, you'll receive the guidance, resources and funding you need to bring your ideas to life.

## 90

Applied research projects conducted in labs at the Centre for Urban Energy

## 2,600+

Startups launched from Zones

TMU's Centre for Urban Innovation is a collaborative space where big thinkers come together to tackle the challenges posed by our ever-growing cities.



# 250+

Active research  
partnerships

TMU Architectural Science professor Vincent Hui and an international team unveiled *Picoplanktonics*, an exhibition that showcases the potential for collaboration between humans and nature, at the 2025 Venice Biennale. Commissioned by the Canada Council for the Arts.

Photo credit: Valentina Mori

**“With \$25,000 in Norman Esch Awards funding and support from TMU’s MEIE program and the Innovation Boost Zone, I launched ShieldMate, a tech-enabled solution to discreetly support survivors of intimate partner violence.”**

**SAINA KHOSHDOUNI**

Master of Engineering Innovation and Entrepreneurship,  
Class of 2023  
Founder, ShieldMate

# \$3.1B+


Funding raised for  
Zone Learning





# Community

Beyond the classroom, you'll have access to more clubs, groups and teams at FEAS than you could at any other engineering school in Canada. From designing racing cars and assistive devices to mapping out theme parks and more, you're sure to find your fit. The best part? You'll get to do it in a place that feels like home, with a diverse and inclusive community of local and international students, supportive faculty and staff, and friends who will shape your personal and professional growth.



President Mohamed Lachemi lending a hand at the annual Bug Push fundraising event.



# 80

Countries FEAS students call home

**“Women in Engineering provides a space for community building. Their events and mentorship program have allowed me to develop friendships and gain confidence.”**

**NAUREEN KAUR**

Computer Engineering (Co-op), Class of 2024  
Former President, TMU Women in Engineering



# 440+

International  
FEAS students



# 50+

FEAS student clubs,  
teams and groups



TMU's formula racing team  
unveiling the redesigned 2025  
formula car at Red Bull HQ.





PHOTO BY NORM LI



**"My experiences participating in student groups, joining design builds, writing research papers and taking part in co-op at TMU have shown me that we can make a meaningful impact within our programs and the industry at large."**

**SAROASH HAIDER**

Architectural Science (Co-op), Class of 2024





# Introduction to Engineering

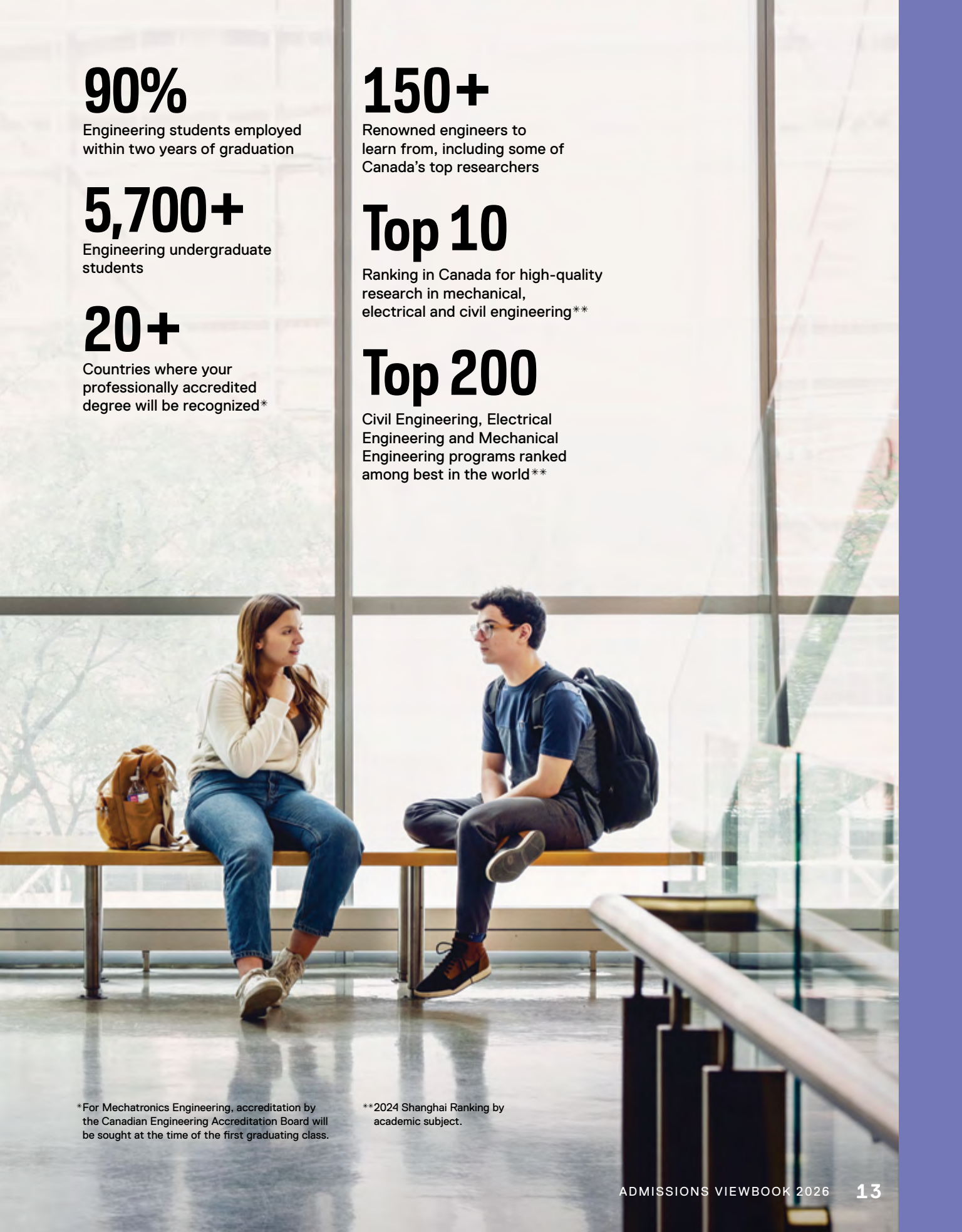
Combat climate change by creating sustainable flight or innovating clean water solutions. Engineer highways, wireless networks and assistive robots to turn smart cities into a reality. Enhance cancer detection software or revolutionize hospital operations to elevate patient care.

Being an engineer means tackling problems in novel ways. At TMU, we foster creative thinking and cultivate the technical capabilities and social skills you need to transform your ideas into impactful solutions.

By choosing one of our nine programs or the Undeclared Engineering entry option, you'll be on your way to becoming a socially responsible engineer. Our accelerated master's program, optional specialization in Management Sciences and other opportunities give you a head start on shaping the world.







# 90%

Engineering students employed  
within two years of graduation

# 5,700+

Engineering undergraduate  
students

# 20+

Countries where your  
professionally accredited  
degree will be recognized\*

# 150+

Renowned engineers to  
learn from, including some of  
Canada's top researchers

# Top 10

Ranking in Canada for high-quality  
research in mechanical,  
electrical and civil engineering\*\*

# Top 200

Civil Engineering, Electrical  
Engineering and Mechanical  
Engineering programs ranked  
among best in the world\*\*

\*For Mechatronics Engineering, accreditation by  
the Canadian Engineering Accreditation Board will  
be sought at the time of the first graduating class.

\*\*2024 Shanghai Ranking by  
academic subject.



# Aerospace Engineering

## Bachelor of Engineering (BEng)

Space planes. Autonomous aerial vehicles. The Hyperloop. Want to be part of the transit revolution? Here, you'll master the mechanisms behind flight and propulsion so you can design and develop the vehicles, technologies and systems that will move us into the future.

From building rockets on the MetRocketry team to creating prototypes for clients like Bombardier and Collins Aerospace through our research centres and co-op programs, you'll have many opportunities to apply theory in the real world.

### Your program

**Full time:** 4 year • 5-year co-op

**Sample courses:** Aerospace Design • Aircraft Performance • Flight Mechanics

**Streams:** Choose to specialize in Aircraft, Avionics or Spacecraft in your third year

### Your future

**Careers:** Aircraft Design Engineer • Aircraft Maintenance Engineer • Propulsion Engineer • Space Systems Design Engineer

**Employers:** Boeing • Bombardier • Canadian Space Agency • De Havilland • Magellan Aerospace • Pratt & Whitney • SpaceX • Transport Canada

[torontomu.ca/programs/undergraduate/aerospace-engineering](https://torontomu.ca/programs/undergraduate/aerospace-engineering)

**"My internships allowed me to apply classroom theories to actual aerospace projects, preparing me for a successful engineering career."**

### VISHAAL VENKATESH

Aerospace Engineering (Co-op), Class of 2020  
Senior Solution Architect, Evolver

Work on industry projects at TMU's Centre for Advancing Engineering, Research and Innovation in Aerospace (AERIAS) at the Downsview Aerospace and Innovation Research hub.





# Biomedical Engineering

## Bachelor of Engineering (BEng)

Dive into a world where cutting-edge engineering meets life-saving innovations in one of Canada's first biomedical undergraduate programs. With top-tier professors and collaborations in surrounding world-class hospitals, you'll be at the forefront of healthcare advancements.

Here, you'll get real-world experience through lab-integrated learning from professors who are some of Canada's leading healthcare researchers. From designing ECG circuitry to working with clinicians at TMU's Biomedical Zone, you'll have opportunities to shape the future of health care before you graduate — and well into your career.

**"Learning from professors who are actively involved in biomedical research provided me invaluable work experience."**

### ALEX DUNN

Biomedical Engineering (Co-op), Class of 2023  
Biomedical Engineering Master's Student

### Your program

**Full time:** 4 year • 5-year co-op

**Sample courses:** Biomechanics • Biomedical Instrumentation • Biomedical Signal Analysis  
• Medical Robotics • Tissue Engineering

### Your future

**Careers:** Biomedical Systems Engineer  
• Clinical Engineer • Medical Device Design Engineer • Researcher

**Employers:** Boston Scientific • Canon • GE  
• Major hospitals • Medtronic • Philips  
• Regulatory boards • Siemens • Toshiba

[torontomu.ca/programs/  
undergraduate/biomedical-  
engineering](https://torontomu.ca/programs/undergraduate/biomedical-engineering)

Work on research projects, special projects and assistantships with our extensive network of partners, including world-class Toronto hospitals and more.





Conduct research and experimentation in state-of-the-art labs, including the Laboratory of Wastewater Treatment Technologies, the Intelligent Processes Laboratory and more.

# Chemical Engineering Co-op

## Bachelor of Engineering (BEng)

Make an impact on the world around you as you learn to combine engineering with chemistry, biology and physics. From advancing medicine to securing clean water for communities to developing microchips for new technologies, you'll acquire the skills needed to radically improve human life.

Through our mandatory co-op program, you'll take cutting-edge courses in topics such as AI, resource recovery, the circular economy, and hydrogen and fuel cell technologies. You'll also work with leading employers and gain experience in research, process engineering, operations support and more.

**"This program sharpened my critical thinking, empowering me to tackle complex work challenges."**

### ILYA KARPOV

Chemical Engineering Co-op, Class of 2024  
Team Supervisor, PepsiCo

### Your program

**Full time:** 5-year co-op

**Co-op requirement:** 3 work terms

**Sample courses:** Food Process Engineering

- Pharmaceutical Technology and Processing
- Water and Wastewater Treatment

### Your future

**Careers:** Air Quality Engineer • Environmental Engineer • Food Processing Engineer

• Petrochemical Engineer • Pharmaceutical Processing Engineer

**Employers:** 3M • Atomic Energy of Canada

Limited • Environment and Climate Change Canada • Husky Energy • Maple Leaf Foods

• PepsiCo • Sanofi Pasteur • Sofina Foods

[torontomu.ca/programs/  
undergraduate/chemical-  
engineering-co-op](https://torontomu.ca/programs/undergraduate/chemical-engineering-co-op)



# Civil Engineering

## Bachelor of Engineering (BEng)

As a civil engineer, you can build smart cities, advance water treatment, rethink transportation infrastructure and more. Whether you dream of being on site for major construction projects or in the lab turning waste into green energy, here you'll learn to help communities thrive.

With courses spanning transportation, environmental and structural engineering, you'll master theoretical principles while developing a specialization. You'll also get active lab experience with the latest software and tools, using data and AI to solve critical infrastructure challenges.

**"I use the theory and software I learned in the Transportation stream daily in my role."**

**MEVANDIE ABEGUNAWARDANA**

Civil Engineering (Co-op), Class of 2023  
Engineering Associate, Ontario Ministry of Transportation

### Your program

**Full time:** 4 year • 5-year co-op

**Option:** Structural Engineering

**Sample courses:** Highway Design • Municipal Engineering • Structural Steel Design

**Streams:** Choose to specialize in Environmental Engineering or Transportation Engineering in your final year

### Your future

**Careers:** City Manager • Construction Coordinator • Consulting Engineer • Transportation Engineer

**Employers:** Aecon Group Inc. • City of Toronto • Metrolinx • Morrison Hershfield • PCL Construction • The Boring Company • The Ontario Ministry of Transportation • Worley

[torontomu.ca/programs/undergraduate/civil-engineering](https://torontomu.ca/programs/undergraduate/civil-engineering)

You'll have opportunities to learn alongside professionals through optional paid co-op or research positions, such as in our Water Research and Resource Recovery Lab.



# Computer Engineering

## Bachelor of Engineering (BEng)

Study the building blocks of today's technologies to develop tomorrow's computing devices. From designing intricate circuits to coding new programs, you'll develop a specialized skill set that will enable you to advance industries and communities.

Here, you'll learn advanced concepts spanning computer architecture, software and hardware engineering, cloud computing, AI and more. Through experiential learning and paid co-op opportunities, you'll also gain industry experience, preparing you for an in-demand career.

**"Today, I build systems to redesign environments for human interactions in artificial reality."**

### RAY PHAN

Computer Engineering, Class of 2006 (BEng),  
Class of 2008 (MAsc), Class of 2013 (PhD)  
Principal Software Engineer, Magic Leap

### Your program

**Full time:** 4 year • 5-year co-op

**Option:** Software Engineering

**Sample courses:** Engineering Algorithms and Data Structures • Operating Systems • Software Systems

### Your future

**Careers:** Cybersecurity Specialist

• Embedded Systems Engineer • Network Engineer • Software Engineer

**Employers:** AMD • Apple • Electronic Arts • Google • IBM • Intel • Siemens • TELUS

[torontomu.ca/programs/  
undergraduate/computer-  
engineering](https://torontomu.ca/programs/undergraduate/computer-engineering)

Learn to develop the hardware and software behind augmented reality headsets, medical devices, video game systems and more.



You'll have the opportunity to work directly with a faculty supervisor on your very own research project in your second or third year.



# Electrical Engineering

## Bachelor of Engineering (BEng)

Electrical engineers design, build and manage the systems that power our world — from smartphones to electric vehicles and smart cities. Here, you'll master the concepts behind core subjects, such as energy systems and control theory, while getting practical experience through lab experiments. Your renowned professors will help you assess the impact of technology on society as you explore the latest innovations.

Whether you want to inform clean energy policy, design aircraft interfaces or manage telecom networks, you can help evolve our world for the better.

**"My internship and research experiences have been invaluable in shaping me as an electrical engineer."**

### VANESSA HOANG

Electrical Engineering (Co-op), Class of 2024  
2024 TMU Gold Medal recipient

### Your program

**Full time:** 4 year • 5-year co-op

**Sample courses:** Electronic Circuits

• Energy Conversion • Signals and Systems

### Your future

**Careers:** Analog Electronics Engineer

• Control Systems Engineer

• Power Systems/Electronics Engineer

• Telecommunications Engineer

**Employers:** AMD • Apple • Enbridge • GE

• Google • Hydro One • Ontario Power

Generation • Tesla

[torontomu.ca/programs/  
undergraduate/electrical-engineering](https://torontomu.ca/programs/undergraduate/electrical-engineering)





Test out your ideas in a number of labs, including the Data Science Lab, the Human Factors Engineering Lab and the Robotics, Mechatronics and Automation Laboratory.

# Industrial Engineering

## Bachelor of Engineering (BEng)

Enhance the world around you by learning how to optimize processes, maximize efficiency and transform the way industries operate. From transportation to business to finance, you'll study industrial engineering principles across a range of applications.

Through real-world experience working on research projects at leading companies, you'll graduate with the ability to develop cutting-edge solutions to optimize supply chains, implement innovative technologies, enhance patient care systems and more.

**"At TMU, my friendships, internship opportunities and networking helped me grow personally and professionally."**

**AARON SEGAL**

Industrial Engineering (Co-op), Class of 2024

### Your program

**Full time:** 4 year • 5-year co-op

**Sample courses:** Facilities Design

• Information Systems • Operations Research

### Your future

**Careers:** Automation Engineer • Logistics Engineering Analyst • Product Designer • Workflow and Resource Optimization Specialist

**Employers:** Canada Post • Canadian Tire • CIBC • FedEx • Michael Garron Hospital • NASA • Toronto Pearson International Airport • The Walt Disney Company

[torontomu.ca/programs/  
undergraduate/industrial-  
engineering](https://torontomu.ca/programs/undergraduate/industrial-engineering)



# Mechanical Engineering

## Bachelor of Engineering (BEng)

Improve the quality of life for people and the planet by using engineering science and modern technology to create game-changing innovations. From robotics to renewable energy systems, our immersive curriculum equips you to tackle local and global problems.

Whether you're designing robots for space exploration or using jet technology to deliver drugs through the skin, you'll learn from some of Canada's leading experts in their fields. Plus, you'll gain career-relevant skills through co-op placements and lab training.

**"With Mechanical Engineering, you can work on computer-based projects or be hands-on in the field."**

### RUTH ARUNACHALAM

Mechanical Engineering, Class of 2021  
Junior Mechanical Engineer, Mosaic Manufacturing

### Your program

**Full time:** 4 year • 5-year co-op

**Sample courses:** Fluid Mechanics • Materials Science • Mechanics of Machines

### Your future

**Careers:** Automotive Engineer • Design Engineer • Manufacturing Engineer Analyst • Product Development Engineer

**Employers:** Alphabet • Apple • Bombardier • General Motors • IBM • Ontario Power Generation • Pfizer • Siemens

[torontomu.ca/programs/  
undergraduate/mechanical-  
engineering](https://torontomu.ca/programs/undergraduate/mechanical-engineering)

2024 Thrill Club captain Jake Fulton took his learning beyond the classroom, designing amusement park attractions in the Design Fabrication Zone, and has gone on to work for Universal Orlando Resort.



# Mechatronics Engineering

## Bachelor of Engineering (BEng)

Ready to make science fiction a reality? Working at the nexus of mechanics, electronics and computer engineering, you'll gain the skills and knowledge needed to design smart solutions that make our lives safer and more efficient.

In this innovative, lab-based curriculum, you'll explore topics like programming, electric circuit analysis, modern control theory, microcontrollers and robotics. And, through experiential learning alongside renowned, multidisciplinary experts, you'll be equipped to bring intelligent and streamlined systems to the real world.

**"This program empowered me to build an autonomous rover using computer vision, which was so rewarding."**

**OM CHHUGANI**

Mechatronics Engineering, Student

### Your program

**Full time:** 4 year • 5-year co-op

**Sample courses:** Introduction to Robotics

- Machine Mechanics and Design
- Microprocessor Systems

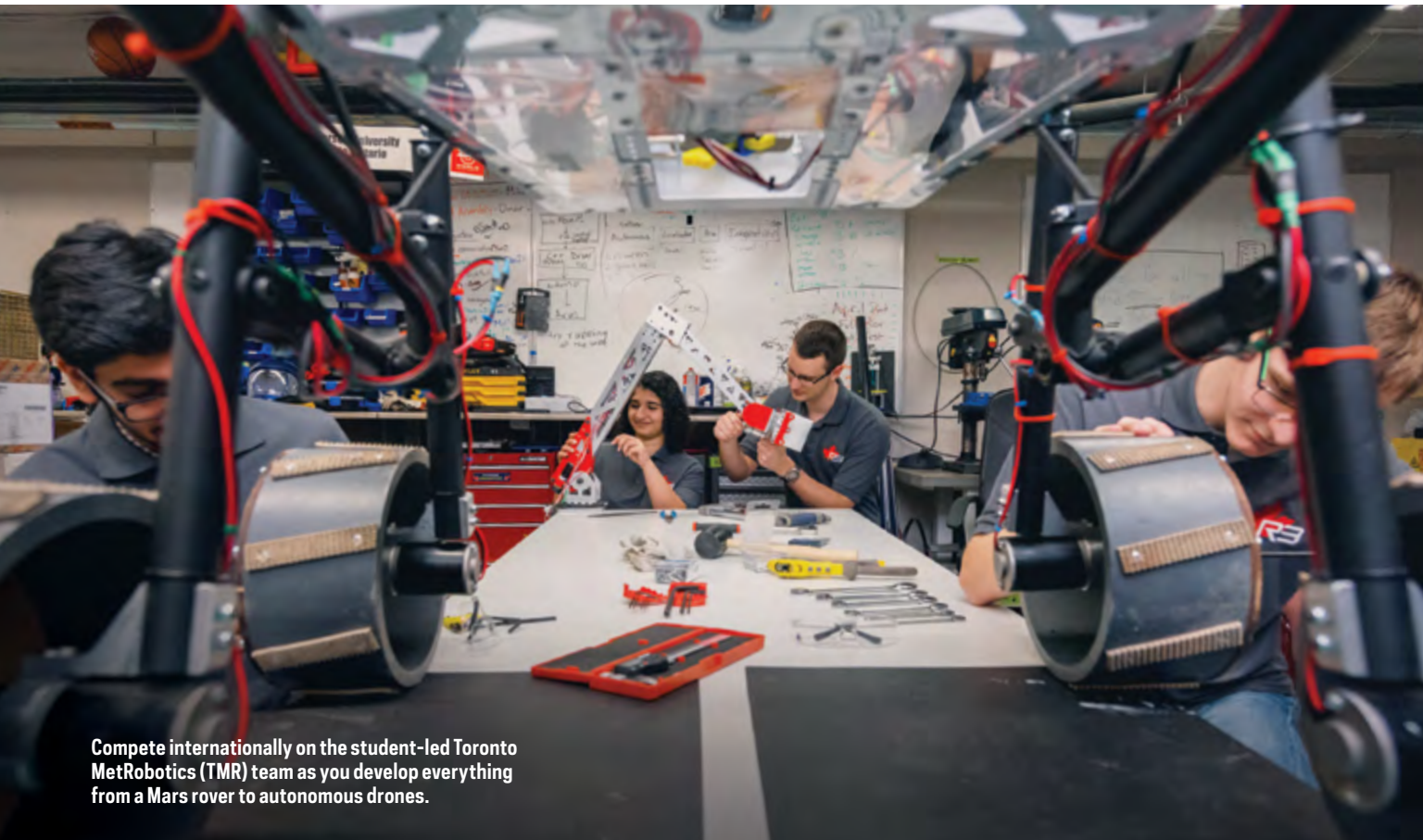
### Your future

**Careers:** Automation Engineer • Product Development Engineer • Robotics Engineer • System Engineer

**Employers:** AtkinsRéalis • Clearpath Robotics

- Microsoft • MKS Instruments • Rockwell Automation • Siemens • Synaptive Medical • Voltera

[torontomu.ca/programs/  
undergraduate/mechatronics-  
engineering](https://torontomu.ca/programs/undergraduate/mechatronics-engineering)



Compete internationally on the student-led Toronto MetRobotics (TMR) team as you develop everything from a Mars rover to autonomous drones.

Start with the Undeclared Engineering entry option and see what program and discipline best matches with your passions and interests.



## Undeclared Engineering

(first-semester studies only)

Still deciding which type of engineer you want to be? No problem. Our Undeclared Engineering entry option is a great choice if you're unsure about which engineering discipline is right for you. There's no drawback. All of our programs share a common first semester, so you won't be out of sync with your classmates and you won't have to reapply to Engineering once you make your decision. The deadline for choosing your discipline is **December 1**.

Once you're enrolled, tap into these resources to help you choose your discipline.

### Introduction to Engineering (CEN 100)

Learn about the various disciplines through this compulsory first-semester course. Think of it as trying each program on for size.

### Academic advisors

Our academic advisors are professional engineers with years of experience, so they can give you industry and career insights to help you choose the right path for you.

### Professors

Our faculty members take mentorship seriously and are committed to supporting you in any way you need, including choosing a discipline.

### Upper-year students

Get to know students in second, third, fourth and fifth year and find out what different programs are really like. If you need an intro, our First-Year Engineering Office can set you up.

[torontomu.ca/programs/undergraduate/undeclared-engineering](https://torontomu.ca/programs/undergraduate/undeclared-engineering)





# Engineering: Your first year

Our unique First-Year Engineering Office (FYEO) is here to help you make a smooth transition from high school to university. The FYEO is designed to set you up for a successful university experience through a range of free services, from help with learning skills to academic and personal counselling, tutoring and more.

## FIRST-YEAR RESOURCES

### First-Year Ambassadors

Get advice from upper-year students about fees, financial assistance, scheduling, time management and more.

### Engineering Boost Program

Sharpen your skills in math, physics, programming and more before university starts.

### Engineering POP

Receive transition support and meet your peers through special events and programming before, during and after orientation.

### Academic Advisors

Receive personalized guidance tailored to your interests, strengths and goals.

### Engineering ACES

Attend free weekly engineering course tutoring sessions.

### Early Intervention Program

Boost your success in core courses.

### Transition Program

Get extra time to adapt to your university curriculum.

### Extended Support Services

Access additional resources you need to thrive.

## FIRST-YEAR CURRICULUM

Your first year will be filled with exciting learning experiences. Here's a breakdown of the courses you'll take.

### First semester

- Calculus I
- General Chemistry
- Introduction to Engineering
- Liberal Studies elective course
- Linear Algebra
- Physics: Mechanics

Plus, you'll get to take the following courses, depending on your program:

### Aerospace Engineering

- Digital Computation and Programming
- Engineering Design and Graphical Communication
- Materials Science Fundamentals

### Biomedical Engineering

- Computer Programming Fundamentals
- Electric Circuit Analysis
- Introduction to Biomedical Engineering

### Chemical Engineering Co-op

- Chemical Engineering Fundamentals
- Digital Computation and Programming
- General Chemistry Laboratory

### Civil Engineering

- Digital Computation and Programming
- Graphics
- Materials Science Fundamentals

### Computer Engineering

- Computer Programming Fundamentals
- Electric Circuit Analysis

### Second semester

- Calculus II
- Physics: Waves and Fields
- Principles of Engineering Economics

### Electrical Engineering

- Computer Programming Fundamentals
- Electric Circuit Analysis

### Industrial Engineering

- Computer Programming Fundamentals
- Engineering Graphical Communication
- Materials Science Fundamentals

### Mechanical Engineering

- Computer Programming Fundamentals
- Engineering Graphical Communication
- Materials Science Fundamentals

### Mechatronics Engineering

- Computer Programming Fundamentals
- Engineering Graphical Communication
- Materials Science Fundamentals



**"I had so many questions and uncertainties in my first year. The FYEO provided me with guidance and answers every step of the way. This inspired me to become an ambassador in my second year to help new students navigate and maximize their first year."**

**PALAK DEDHIA**

Aerospace Engineering (Co-op), Student  
Co-President, TMU Women in Engineering



# Introduction to Architectural Science

Create spaces that inspire, uplift and transform communities.

At Toronto Metropolitan University, you'll design more than buildings — you'll design for impact. Our Bachelor of Architectural Science (BArchSc) is the only program in Canada that integrates architecture, building science and project management. Here, you'll gain the creative vision, technical knowledge and leadership skills to bring sustainable and culturally meaningful environments to life.

From day one, you'll immerse yourself in design studios, fabrication, and real-world collaborations, preparing you to shape the future of the built environment. By graduation, you'll be ready to lead change in your city, across industries and around the globe.

1

The only pre-professional architecture program in Toronto

77

Years of advancing architectural education in Canada

9

Innovative labs

1

World-class gallery

1

One of only 12 accredited architecture programs in Canada

7

Countries with global exchange opportunities

Every year, 150 Architectural Science students from all levels work together on a design project for four days and exhibit their results in the Paul H. Cocker Gallery.







Show off your work from first year and beyond at our renowned Department of Architectural Science Year-End Show and make an impression on leading researchers and industry professionals.

Photo credit:  
Wayne Szeto



# Architectural Science

## Bachelor of Architectural Science (BArchSc) • Honours

Shape visionary environments. Design impactful settings that help people and the planet thrive. Develop new paradigms for environmental sustainability. Champion social justice. Here, you'll discover how to leverage creativity to improve lives and positively impact the world.

Through co-op placements, global exchanges, design-build projects and community engagement, you'll gain real-world experiences while learning to shape high-performing built environments. You'll also experiment with new technologies and build a network of connections to launch your career with confidence.

**This pre-professional program qualifies you for a professional Master of Architecture (MArch) degree and other graduate programs in the built environment.**

### Your program

**Full time:** 4 year • 5-year co-op

**Concentrations:** Architecture • Building Science  
• Project Management

**Sample courses:** Light/Sound in Architecture • Structures  
• Sustainable Practices

### Your future

**Careers:** Architect • Building Scientist • Construction  
Project Manager • Policy Advocate • Researcher

**Employers:** Architecture49 • Bjarke Ingles Group (BIG)  
• Diamond Schmitt Architects • ENFORM  
• Giannone Petricone Associates • Gow Hastings  
• Partisans • Waterfront Toronto

[torontomu.ca/programs/undergraduate/  
architectural-science](https://torontomu.ca/programs/undergraduate/architectural-science)

# Architectural Science: Your first year

## FIRST-YEAR CURRICULUM

In your first year, you'll explore design from conception to construction and beyond. Through studio work, advanced labs and interdisciplinary courses, you'll explore how architecture intersects with environmental, technological and social innovation.

You'll begin learning to:

- Create sustainable, high-performing buildings
- Address social and cultural needs through designs
- Manage complex projects with creativity and technical expertise

### First semester

- Communications Studio
- Sustainable Practices
- The Built Context
- The Built World

### Second semester

- Collaborative Exercise I
- Design Studio I
- Ideas, Tech and Precedents I
- Structures I
- The Building Project

Plus, you'll get to take one of the following Liberal Studies courses:

- Cultures in Crisis
- Laughter and Tears: Comedy and Tragedy
- Myth and Literature
- The Literature of Indigenous Peoples
- The Short Story
- Zap, Pow, Bang: Pop Lit

**"I've gained the technical and soft skills to excel and the agency to engage communities and improve lives."**

**SASKIA SCARCE**

Architectural Science (Co-op), Student





# Paying for your education

## SCHOLARSHIPS AND AWARDS

We have a wide range of scholarships and awards available to you and strongly encourage you to apply for them. To apply for an application-based scholarship or award that recognizes leadership, diversity, financial need and other factors, log in to AwardSpring ([torontomu.awardspring.ca](https://torontomu.awardspring.ca)) after applying to TMU. For details and deadlines, check out [torontomu.ca/scholarships](https://torontomu.ca/scholarships).

FEAS SCHOLARSHIPS AND AWARDS	VALUE
George and Helen Vari Foundation Entrance Scholarship	\$10,000
Pierre Lassonde Entrance Awards in Engineering	\$6,000
Audrey Bowes Memorial Award for Women in Civil Engineering	\$5,000
Vestacon Limited Award	\$5,000
OGAV Award for Women in STEM	\$4,000
Ontario Association of Architects Awards	\$2,500
Charles A. Root Entrance Scholarship	\$2,000
Ontario Professional Engineers Foundation for Education Entrance and Undergraduate Scholarships	up to \$1,500

TMU SCHOLARSHIPS AND AWARDS	VALUE
President's Entrance Scholarship	\$10,000 per year up to a total of \$40,000 (plus a guaranteed residence room)
Terence Grier Entrance Scholarship	Full tuition (for first-year studies)
International Student Leadership Award	\$10,000 (for first-year studies)
Ted Rogers Legacy Scholarship	\$25,000 per year up to a total of \$100,000 over 4 years
Other TMU scholarships, awards and bursaries	1,400+ awards totaling \$20,000,000+ across all levels of study

GUARANTEED AND RENEWABLE SCHOLARSHIPS*	FINAL ADMISSION AVERAGE
\$3,000 per year up to a total of \$12,000	95%+
\$1,500 per year up to a total of \$6,000	90–94.99%
\$750 per year up to a total of \$3,000	86–89.99%

## TUITION FEES\*

STUDENT TYPE	FEE RANGE
Ontario	\$10,777–\$11,376
Out-of-province	\$13,183–\$13,943
International (study permit)	\$42,217–\$42,498

\*First year (two academic terms), full time, based on 2025–2026 rates.

# International students

Are you an international student? Let us help you through every step of your university journey. Get international undergraduate admissions information and support at [torontomu.ca/international/admissions](https://torontomu.ca/international/admissions).

## ENGLISH-LANGUAGE PROFICIENCY

If you're required to provide proof of English language proficiency, see the minimum requirements outlined in the chart below and visit [torontomu.ca/english-requirements](https://torontomu.ca/english-requirements) for full details.

PROGRAM	TOEFL (iBT)	CAEL	IELTS	PTE	DUOLINGO	CAMBRIDGE ASSESSMENT ENGLISH
All Engineering programs	83+	60	6.5	60	120	180 and above on C1 Advanced and C2 Proficiency
Architectural Science	92+	70				

## TMU ENGLISH LANGUAGE INSTITUTE (ELI)

If you're academically qualified for TMU, but need to improve your English, ELI has a range of programs that can help. Learn more at [torontomu.ca/english-language-institute](https://torontomu.ca/english-language-institute).

## JANUARY ADMISSION

Select TMU programs offer winter admission, with a January start, to international students. For more information, visit [torontomu.ca/international/admissions/winter](https://torontomu.ca/international/admissions/winter).

## TORONTO METROPOLITAN UNIVERSITY INTERNATIONAL COLLEGE (TMUIC)

Located on campus in downtown Toronto, TMUIC offers pathways into Engineering and Architectural Science undergraduate programs at TMU for international students who need support to meet TMU academic requirements. TMUIC offers multiple start-term options, with the ability to progress into university-level programs. UTP Stage II courses prepare students for entry into second-year studies at TMU. Learn more at [torontomuic.ca](https://torontomuic.ca).

# Out-of-province and transfer students

If you're joining us from a province or territory outside of Ontario, or a country other than Canada, you'll need to show evidence that your education is equivalent to the Ontario Secondary School Diploma (OSSD), with six Grade 12U/M courses. We'll consider all Grade 11 final marks and Grade 12 interim/final marks in our assessment (where applicable).

## CANADIAN SECONDARY SCHOOLS

For a full list of prerequisites and equivalencies for Canadian secondary school systems, please visit [torontomu.ca/admissions/undergraduate/requirements/canadian](https://torontomu.ca/admissions/undergraduate/requirements/canadian).

## POST-SECONDARY TRANSFER STUDENTS

If you've completed some post-secondary education, you may be eligible for transfer credits. For more information, visit [torontomu.ca/transfer-credits](https://torontomu.ca/transfer-credits).

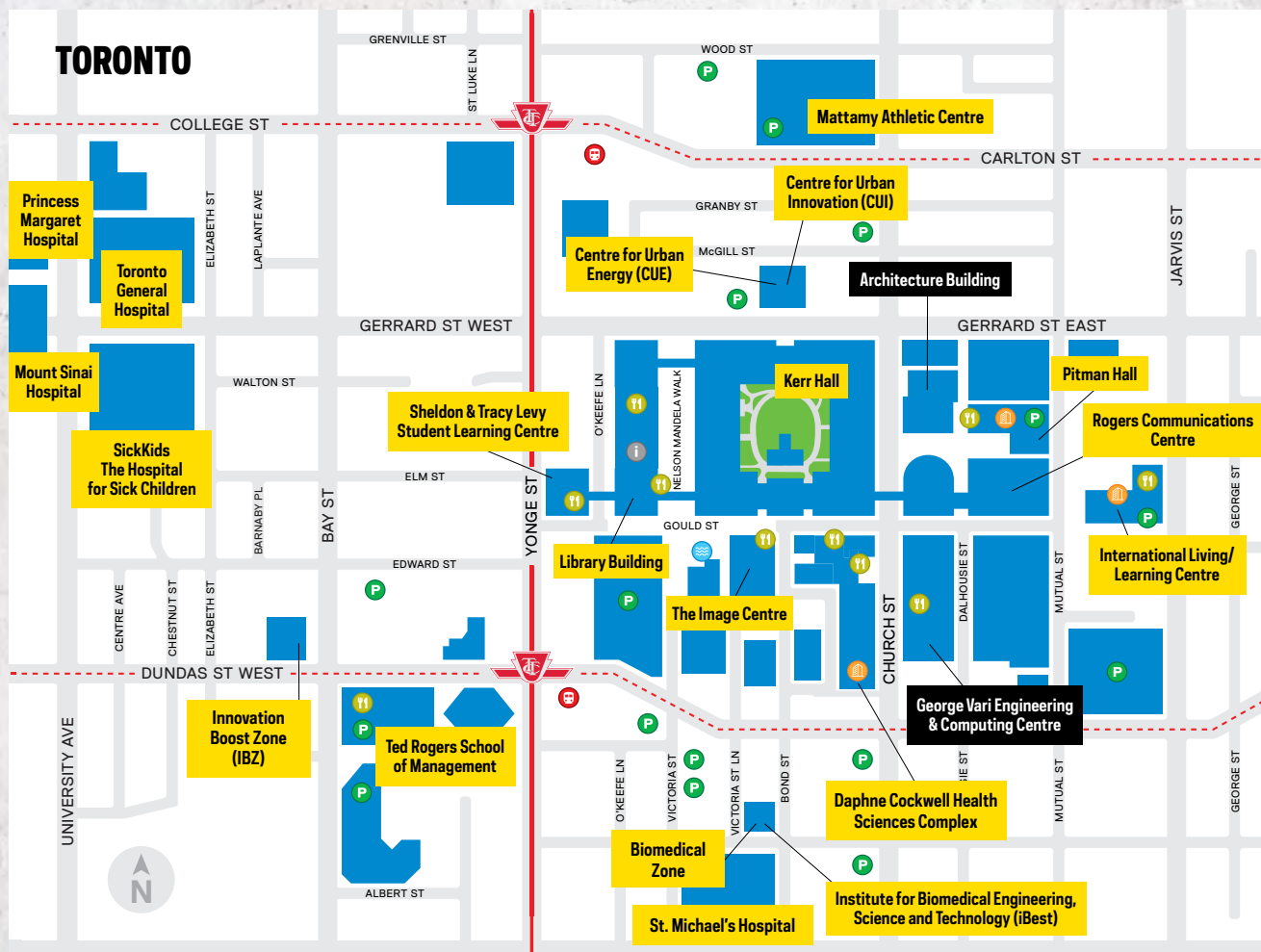
## INTERNATIONAL SECONDARY SCHOOLS

For more detailed information about key international systems of study, including American School System/Advanced Placement, British-Patterned Education (GCE), Caribbean (CAPE), China, French-Patterned/Baccalauréat, International Baccalaureate (IB), India (CBSE/CICSE), Türkiye and others, please visit [torontomu.ca/admissions/undergraduate/requirements/international](https://torontomu.ca/admissions/undergraduate/requirements/international).



# Campus map

Get to know your metropolitan campus by exploring our 40+ buildings in the downtown core along with research labs and spaces across campus and the city. For an interactive experience, take a virtual tour at [torontomu.ca/virtualtour](http://torontomu.ca/virtualtour).



## EXPLORE NEARBY NEIGHBOURHOODS

Nearest TTC stop: **1 minute**  
 CF Toronto Eaton Centre: **3 minutes**  
 Financial District: **5 minutes**  
 City Hall: **10 minutes**  
 Art Gallery of Ontario: **15 minutes**  
 Union Station: **20 minutes**  
 St. Lawrence Market: **20 minutes**  
 Entertainment District: **30 minutes**  
 CN Tower/Rogers Centre: **30 minutes**


## Legend

- |                    |           |  |
|--------------------|-----------|--|
| ServiceHub         | Subway    |  |
| Café/Eatery        | Streetcar |  |
| Residence building | Parking   |  |
| Lake Devo          |           |  |












# Ontario admission requirements

Are you a student in Ontario? Check the admission requirements for your program(s) of choice. The information in these charts is current as of July 2025, so be sure to confirm up-to-date admissions details at [torontomu.ca/admissions/undergraduate](https://torontomu.ca/admissions/undergraduate).

## LEGEND

 Paid co-op available

 Non-academic requirements

PROGRAM AND CREDENTIAL	MINIMUM AVERAGE*	ACADEMIC AND NON-ACADEMIC REQUIREMENTS**
Architectural Science (BArchSc) - Honours 	Low 90s	Grade 12U English Grade 12U Physics One of Grade 12U Calculus and Vectors or Grade 12U Advanced Functions (All required courses min. 70%)  <b>Portfolio</b>
Aerospace Engineering (BEng) 	High 80s	Grade 12U English Grade 12U Advanced Functions Grade 12U Calculus and Vectors Grade 12U Physics Grade 12U Chemistry (All required courses min. 70%)
Biomedical Engineering (BEng) 	Mid 80s	
Chemical Engineering Co-op (BEng) 	Mid 80s	
Civil Engineering (BEng) 	High 80s	
Computer Engineering (BEng) 	High 80s	
Electrical Engineering (BEng) 	High 80s	
Industrial Engineering (BEng) 	Mid 80s	
Mechanical Engineering (BEng) 	High 80s	
Mechatronics Engineering (BEng) 	High 80s	
Undeclared Engineering (first-semester studies only)	High 80s	

## HOW TO APPLY

**Step 1:** Apply online by February 1 through the Ontario Universities' Application Centre (OUAC) at [ouac.on.ca](https://ouac.on.ca).

**Step 2:** Watch for an acknowledgment email with your next steps and TMU Student Number.

**Step 3:** Track your application status via your ChooseTMU Applicant Portal.

**Step 4:** Wait to hear from us. We make all of our admission decisions by the end of May.

**Step 5:** Accept your Offer of Admission through the OUAC.

\* Your entry average is based on your six best Grade 12U/M courses. The minimum entry average depends on the number of applications received and the number of spaces available. The ranges listed above are based on previous years; competitiveness varies year to year.

\*\* All programs require the Ontario Secondary School Diploma (OSSD) or equivalent, as well as a minimum of six Grade 12U or Grade 12M courses, including all required courses. All required courses are Grade 12U level (unless otherwise specified).



# Ready to apply?

Scan the code below or visit  
[torontomu.ca/admissions/undergraduate](https://torontomu.ca/admissions/undergraduate)  
to start planning your future at TMU.



## Let's connect

### Engineering

Schedule a one-on-one virtual  
meeting at [torontomu.ca/askeng](https://torontomu.ca/askeng).  
Email us at [askeng@torontomu.ca](mailto:askeng@torontomu.ca).  
Call us at 416-542-5870.

### Architectural Science

Email us at [arch.office@torontomu.ca](mailto:arch.office@torontomu.ca).  
Call us at 416-979-5000 ext. 556483.

### Follow us



@TMUFEAS



@DASTorontoMet



@ChooseTMU



**Faculty of  
Engineering  
& Architectural  
Science**

### Toronto Metropolitan University is in the “Dish with One Spoon” territory.

Our university's campuses in Toronto and Brampton operate on the Treaty Lands of the Mississaugas of the Credit. This land has been part of the traditional territories of the Mississauga, Anishinaabe, Huron-Wendat and Haudenosaunee. They are now home to many First Nations Peoples, Inuit and Métis from across Turtle Island. We honour and uphold the Dish With One Spoon Treaty, we commit to valuing the Two Row Wampum, and we vow to treat the land and people of our community with understanding built on mutual respect.