

# REALIZE YOUR FUTURE

Graduate Studies Viewbook

Toronto  
Metropolitan  
University

Graduate  
Studies



**Shape  
your future  
and reshape  
our world.**

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# MESSAGE FROM THE VICE-PROVOST AND DEAN



**Topographic maps** represent the Earth's physical geography and are helpful in planning a journey. Similarly, this viewbook will assist you in navigating your future at Toronto Met and beyond.

## Ready to realize your future?

Graduate education is about reshaping our world by doing work that matters.

At Toronto Met, our innovative, interdisciplinary approach to learning demands we find creative solutions to real-world questions. Based in Canada's most dynamic city, our students and faculty are engaged with ideas that are transforming industries and changing lives on a global scale.

Our master's and doctoral programs challenge you to explore emerging fields or apply new thinking to established ones, to delve deeply into your field of study yet also shatter its boundaries, to discover new theories and generate new ideas – and put them into action in rewarding careers.

As new technologies emerge and industries change, graduate education provides the foundation and skills to navigate a future full of possibility. Choose Toronto Met for the first step of this incredible journey.

**Dr. Cory Searcy**  
Vice-Provost and Dean  
Yeates School of Graduate Studies



# GRADUATE STUDIES AT A GLANCE

## Programs

44 Master's      19 PhD      4 PMDip

## New programs



Scriptwriting and Story Design MFA



Project Management in the Built Environment MAsc/MPM



Occupational and Public Health MSc



Media & Design Innovation PhD



## Students\*

3,000+

## Graduate teaching faculty\*

1,000+

\* 2020-21 data



10 innovation zones



Federal and provincial scholarship support\*

\$5.3 Million



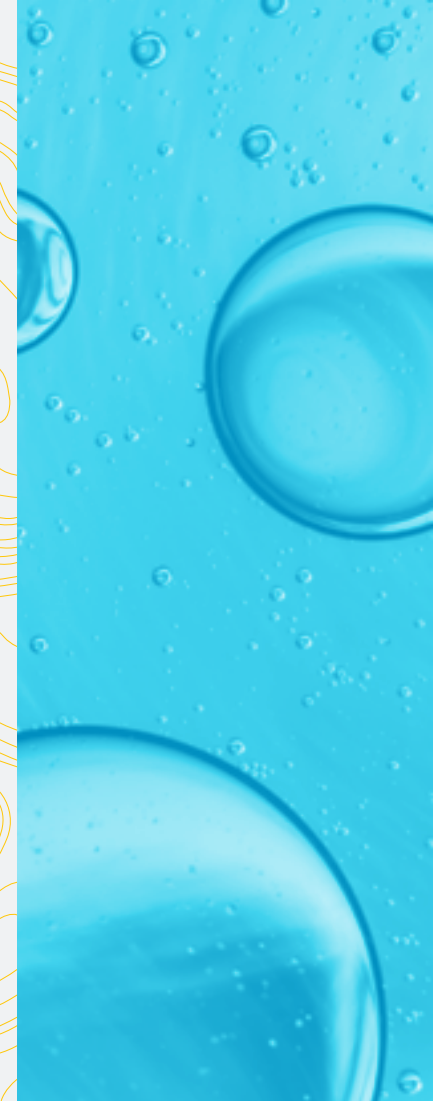
Federal and provincial scholarships\*

285



Join the next generation of creative leaders, intellectual explorers and purposeful changemakers.

# Graduate studies at Toronto Met





# STUDENT LIFE

## Dynamic, diverse and full of energy

Toronto is Canada's most cosmopolitan city and one of the most diverse in the world. Toronto Met is integrated into the city's vibrant urban core, with world-class restaurants, shopping, sports, theatre and performing arts venues, and connected to leading centres of media, technology, finance, politics and health care.

### Toronto facts

**4th** largest city in North America

**50%** of residents born outside of Canada

## Intelligent Community of the Year

(Intelligent Community Forum, 2014)

## Most resilient city in the world

(Grosvenor, 2014)

### Award-winning facilities you won't find anywhere else



#### Mattamy Athletic Centre (MAC) at the Gardens

If you grew up in Toronto, you might have experienced an NHL game at the famed Maple Leaf Gardens, one of Canada's most iconic buildings. After the Maple Leafs moved on, Toronto Met – in partnership with Loblaw Companies – transformed the former hockey arena into a unique facility featuring an NHL-sized hockey rink, basketball court and state-of-the-art fitness centre.



#### Image Arts Building and The Image Centre

At night, its pulsating colours light up Gould Street. Inside, The Image Centre is an international centre of excellence dedicated to the exhibition, research, study and teaching of photography, new media, installation art, film and related disciplines, as well as preservation and archiving. It's a truly inspiring space that can transform your perspective and thinking.



#### Student Learning Centre (SLC)

Designed by acclaimed architecture firms Snøhetta and Zeidler, the award-winning SLC houses a variety of student services – including the Digital Media Experience Lab, collaboration spaces and a dedicated graduate student study area – with a bridge to the Toronto Met Library. The SLC is a place to share ideas and explore the newest modes of learning.



## Get involved

Enhance your graduate experience outside the classroom and connect with your graduate community.

### Future Smart: Essential Professional Skills for Graduate Students

As a complement to academic education, this free program provides the tools needed to transition into successful careers.

### Professional Development in Teaching

Offered through the Learning and Teaching Office, this initiative helps graduate students develop as mentors and leaders.

### GRADcafé

Hosted by the Vice-Provost and Dean and Associate Dean, Student Affairs, this visioning and networking event gives graduate students the opportunity to shape their experience at Toronto Met.

### GRADTalks

This series seeks to enlighten and inspire graduate students with expert speakers and interactive workshops on topics such as professional skills, maintaining a healthy lifestyle and career development.

### International learning

Toronto is one of the most dynamic and diverse cities in the world, but students don't need to feel limited by its boundaries. Toronto Met offers international learning opportunities through dual-degree master's programs and cotutelles for PhD students.

Learn more at [torontomu.ca/graduate/student-guide/student-engagement](https://torontomu.ca/graduate/student-guide/student-engagement).





# ZONE LEARNING

## Get in the zone

Zone Learning is a new model of integrated learning designed to prepare students for the 21st-century workplace by providing opportunities to work on new and innovative projects, causes, companies or startups. Our 10-zone network offers Toronto Met students the chance to solve real-world problems, learn new skills and gain tangible experience in one of the most vibrant cities in the world.

[To learn more, visit \[torontomu.ca/zone-learning\]\(https://torontomu.ca/zone-learning\).](https://torontomu.ca/zone-learning)



Meet like-minded Individuals and benefit from excellent networking opportunities.



Gain tangible experience that strengthens your resumé or portfolio.



Share your cause or idea with academic, government or industry thought leaders.



Develop soft skills such as teamwork, communication and time management.



Access mentorship, programs and workshops to help grow your idea.

## Toronto Met's 10 Zones

### Biomedical Zone

A development space for biomedical and health-care ventures, partnered with and located in St. Michael's Hospital.

### Clean Energy Zone

An academic-industry partnership that explores and develops innovative solutions to urban energy challenges.

### Design Fabrication Zone

An interdisciplinary space for accelerating spatial ideas, design learning and 3D production towards construction or business.

### DMZ

This digital media hub is consistently ranked among the top university-based incubators in the world by UBI Global.

### Fashion Zone

Canada's newest space for fashion-forward business and innovation.

### Innovation Boost Zone

An acceleration platform space designed for customer-centric problem solving, directed at entrepreneurial technology students.

### Legal Innovation Zone

A legal tech incubator that challenges the status quo of Canada's legal system.

### Science Discovery Zone

A research and development space for groundbreaking science ventures.

### Social Ventures Zone

A space for changemakers to transform ideas into action for positive social change.

### Transmedia Zone

An ideation and prototyping space for future content and storytelling.

# GRADUATE RESEARCH

Connect with great minds and amplify your research

Our faculty are leading researchers and innovators, award winners and changemakers. We have a wide array of research centres, institutes and labs in various disciplines, dedicated to finding solutions to the great challenges of our time.

At Toronto Met, you'll explore fields such as digital media and technology; energy and sustainability; health and well-being; city building and social justice; design, culture and creative industries; and technological and industrial innovation, to name a few.

We collaborate with industry partners, not-for-profit organizations, government, communities and individuals, to serve society and help showcase Canada as an international innovator. And with more than 1,000 affiliated and associate graduate teaching faculty, you're bound to find the right supervisor at Toronto Met.

**“Supporting students to follow their passion, motivating them to think beyond established points of view and approaches is immensely rewarding.”**

– Dr. Frauke Zeller, Professional Communication professor



## FINANCING YOUR STUDIES

We recognize that graduate education is a significant investment. Learn about funding opportunities that will help you focus on your studies and research.

🔗 [Learn more at torontomu.ca/graduate/future-students/financing-your-studies.](https://torontomu.ca/graduate/future-students/financing-your-studies)

### Scholarships

You can receive one of 12 types of internal scholarships of up to \$12,000 (master's) and \$16,000 (PhD) and/or an external scholarship worth up to \$50,000.

### Stipends

You may also be eligible for a graduate stipend paid from the research funding of a faculty supervisor.

### Assistantships

You can become a Graduate Assistant (GA) employed to assist with teaching or related duties, or a Research Assistant (RA) assisting principal investigators in conducting research activities not related to your studies.

### Travel funding

To encourage the presentation of research at conferences or other academic events, you may receive up to \$500 per year.

### Ontario Student Assistance Program (OSAP)

This government loan program is available to domestic students with financial need.



Explore research that's relevant,  
turn ideas into action and make your mark  
in the global knowledge economy.

# Programs for the real world





# PROGRAMS BY FACULTY

## The Creative School

- ▶ Digital Media (MDM)
- ▶ Documentary Media (MFA)
- ▶ Fashion (MA)
- ▶ Film + Photography Preservation and Collections Management (MA)
- ▶ Journalism (MJ)
- ▶ Media & Design Innovation (PhD)
- ▶ Media Production (MA)
- ▶ Professional Communication (MPC)
- ▶ Scriptwriting and Story Design (MFA)

## Faculty of Arts

- ▶ Criminology and Social Justice (MA)
- ▶ Economics (PhD)
- ▶ International Economics and Finance (MA)
- ▶ Literatures of Modernity (MA)
- ▶ Philosophy (MA)
- ▶ Policy Studies (PhD)
- ▶ Psychology (MA, PhD)
- ▶ Public Policy and Administration (MA)
- ▶ Spatial Analysis (MSA)

## Faculty of Community Services

- ▶ Child and Youth Care (MA)
- ▶ Dietetics (PMDip)
- ▶ Early Childhood Studies (MA)
- ▶ Nursing (MN)
- ▶ Nutrition Communication (MHSc)
- ▶ Occupational and Public Health (MSc)
- ▶ Urban Development (MPI)
- ▶ Urban Health (PhD)

## Faculty of Engineering and Architectural Science

- ▶ Aerospace Design Management (PMDip)
- ▶ Aerospace Engineering (MAsc, MEng, PhD)
- ▶ Architecture (MArch)
- ▶ Biomedical Engineering (MAsc, MEng, PhD)
- ▶ Building Science (MAsc, MBS, PhD)
- ▶ Chemical Engineering (MAsc, MEng, PhD)
- ▶ Civil Engineering (MAsc, MEng, PhD)
- ▶ Computer Networks (MAsc, MEng)
- ▶ Electrical and Computer Engineering (MAsc, MEng, PhD)
- ▶ Energy and Innovation (PMDip)
- ▶ Master of Engineering Innovation and Entrepreneurship (MEIE)
- ▶ Mechanical and Industrial Engineering (MAsc, MEng, PhD)
- ▶ Project Management in the Built Environment (MAsc, MPM)

## Faculty of Science

- ▶ Computer Science (MSc, PhD)
- ▶ Mathematics (MSc, PhD)
- ▶ Molecular Science (MSc, PhD)
- ▶ Physics (MSc, PhD)

## Ted Rogers School of Management

- ▶ Accounting (PMDip)
- ▶ Management (PhD)
- ▶ Master of Business Administration (MBA)
- ▶ Master of Health Administration (Community Care) (MHA(CC))
- ▶ Master of Science in Management (MScM)

## Interdisciplinary programs

- ▶ Communication and Culture (MA, PhD) – joint program with York University
- ▶ Data Science and Analytics (MSc)
- ▶ Environmental Applied Science and Management (MAsc, PhD)
- ▶ Immigration and Settlement Studies (MA)

**PMDip:**  
Professional Master's Diploma programs enable working professionals to continue their careers while advancing their skills at the graduate level.





# The Creative School

- A** Accredited program
- E** Exclusive to Toronto Met
- P** Part-time option

## Digital Media

MDM

Forge your future in an intensive 12-month professional program that provides the skills and industry experience needed to launch yourself into the digital media world. Through project-based experiences and entrepreneurial simulations, immerse yourself in a comprehensive study of business, art, design and technology for 21st-century leadership.

### Sample research areas:

- ▶ augmented and virtual reality
- ▶ digital culture and design
- ▶ digital currencies and e-commerce
- ▶ digital entertainment and interactive performance
- ▶ digital entrepreneurship and innovation
- ▶ digital media and creative strategy
- ▶ digital prototyping and manufacturing
- ▶ interactive media and exhibitions
- ▶ media aggregation and analytics
- ▶ social media management
- ▶ transmedia storytelling
- ▶ web design and digital marketing

[Learn more at torontomu.ca/graduate/programs/digital-media](https://torontomu.ca/graduate/programs/digital-media).



## Documentary Media **E**

MFA

Create non-fiction narrative work in film, photography and new media in the first documentary media MFA program in Canada. Based in Toronto Met's renowned School of Image Arts, this innovative, interdisciplinary program allows you to explore a variety of production and distribution options, culminating in a major professional work.

### Sample research areas:

- ▶ analog and digital storytelling
- ▶ archival research
- ▶ autobiographical and personal narratives
- ▶ counter representations and oppositional documentary practices
- ▶ documentary filmmaking and photography
- ▶ experimental video, microcinema and social media
- ▶ photographic book as art form

[Learn more at torontomu.ca/graduate/programs/documentary-media](https://torontomu.ca/graduate/programs/documentary-media).

## Fashion **E**

MA

Explore the past, present and future of clothing and culture in Canada's only graduate fashion program. Examine the broader social, cultural, political and economic implications of the production, promotion and consumption of fashion as part of a student body with diverse backgrounds. Students will work towards a major written paper or a creative project with support paper in a medium of their choice for their major research project.

### Sample research areas:

- ▶ art and fashion
- ▶ avant-garde design
- ▶ design and creative processes
- ▶ design leadership
- ▶ digital fashion
- ▶ ethics and sustainability in fashion
- ▶ fashion, community and activism
- ▶ fashion and business
- ▶ fashion and decolonization
- ▶ fashion and diversity
- ▶ fashion and gender
- ▶ fashion and race
- ▶ fashion curation
- ▶ history of dress
- ▶ LGBTQ+ fashion
- ▶ material and craft practices

[Learn more at torontomu.ca/graduate/programs/fashion](https://torontomu.ca/graduate/programs/fashion).



## Film + Photography Preservation and Collections Management **E**

MA

Engage in a program that is unique in the world. With its local, national and international residencies, F+PPCM provides a rigorous and intensive professional education in which to explore the past and future of image collections. Its curriculum is delivered by a range of specialists, from historians and practitioners of photo- and film-based media to museum, library and archive professionals.

### Sample research areas:

- ▶ access to film or photography collections
- ▶ born-digital preservation
- ▶ film curation
- ▶ film festivals

- ▶ film or photography archives at risk
- ▶ film or photography digitization
- ▶ film preservation
- ▶ film processes
- ▶ film history and theory
- ▶ photography history and theory
- ▶ photographic preservation
- ▶ photographic processes
- ▶ LGBTQ+ archives of film or photography
- ▶ library archives of film or photography
- ▶ local, regional and community archives of film or photography
- ▶ museum archives of film or photography
- ▶ Indigenous archives of film or photography
- ▶ photographic curation
- ▶ photographic housing

[Learn more at torontomu.ca/graduate/programs/film-photography-preservation](https://torontomu.ca/graduate/programs/film-photography-preservation).

## Journalism

MJ

Prepare for professional work in established and emerging media in Toronto Met's School of Journalism, recognized for its highly experienced and award-winning faculty, state-of-the-art facilities and close connections with all of Canada's major journalistic institutions. Gain a sophisticated understanding of journalism's historic mission and its present-day possibilities, learn advanced research skills, and embrace innovation and a global perspective.

### Sample research areas:

- ▶ Canada Press Freedom Project (with J-Source)
- ▶ digital news practice and distribution
- ▶ effect of social media on reporting
- ▶ equity in Canadian newsrooms/media
- ▶ international literary journalism
- ▶ journalistic role performance
- ▶ live journalism and new models for journalistic practice
- ▶ local news poverty
- ▶ mapping local journalism
- ▶ philanthropic support of journalism

[Learn more at torontomu.ca/graduate/programs/journalism](https://torontomu.ca/graduate/programs/journalism).





## Media & Design Innovation

PhD **P**

The PhD in Media & Design Innovation is a one-of-a-kind doctoral program for scholars and practitioners in media, design and creative disciplines. Placing creativity at the heart of learning, the program is designed specifically for innovative makers and scholar-practitioners.

Graduates are trained to be intellectually agile creative professionals with a strong capacity for in-depth innovation and problem-solving.

### Research areas are diverse and may include:

- ▶ creative technology development and prototyping
- ▶ curation and contemporary exhibition practices
- ▶ digital fashion design and fabrication
- ▶ experimental modes of storytelling and user interaction
- ▶ innovation in music production and distribution
- ▶ new models of journalistic dissemination
- ▶ numerous other areas of creative media practice

### Prepare for careers such as:

- ▶ artist-curators
- ▶ developers within industry-based research centres
- ▶ government and policy-related careers
- ▶ media makers
- ▶ researcher-practitioners in digital media and design industries
- ▶ senior research scientists
- ▶ university and college professors

**Learn more at [torontomu.ca/phd-media-design-innovation](https://torontomu.ca/phd-media-design-innovation).**

## Media Production

MA

Connect, inform and inspire. Explore the creative, theoretical and industrial structures that determine how media is produced and distributed today. Challenge conventional wisdom of media production while building your industry network. Find your creative voice and bring compelling stories to diverse audiences through this program.

### Sample research areas and types of creative practice:

- ▶ audiences
- ▶ broadcasting and media production policy
- ▶ feature film and television screenwriting\*
- ▶ impact of technology
- ▶ Indigenous media
- ▶ media business management and practices
- ▶ media distribution
- ▶ new media projects
- ▶ podcasts and other audio artforms
- ▶ reality television
- ▶ short films, web series and documentaries
- ▶ social media
- ▶ sports and eSports broadcasting

**Learn more at [torontomu.ca/graduate/programs/media-production](https://torontomu.ca/graduate/programs/media-production).**

\* To be ceded to the forthcoming Scriptwriting and Story Design MFA program.



## Professional Communication

MPC

Discover how communication impacts productivity and sustainability at both organizational and global levels. Building on Toronto Met's reputation for high-quality and professionally oriented education, the MPC provides a balance of theoretical knowledge and practical skills, preparing graduates to plan, implement and oversee organizational communication at an advanced level.

### Sample research areas:

- ▶ brand strategy
- ▶ communication and health
- ▶ communication and knowledge mobilization
- ▶ communication and politics
- ▶ communication and social justice
- ▶ communication theory
- ▶ corporate communication
- ▶ crisis communication
- ▶ environmental communication
- ▶ Indigenous communication
- ▶ organizational communication
- ▶ public relations
- ▶ social media
- ▶ social media analysis
- ▶ sonic communication
- ▶ visual communication

**Learn more at [torontomu.ca/graduate/programs/professional-communication](https://torontomu.ca/graduate/programs/professional-communication).**

## Scriptwriting and Story Design

MFA

This uniquely interdisciplinary program nurtures emerging storytelling voices in the art of script-based creative writing for stage, screen and cutting-edge media platforms. The final thesis project is a full draft of a feature film, stage play, television program or other form of scripted media.

### Sample research areas:

- ▶ autobiographical and personal narratives
- ▶ collaborative creative processes
- ▶ contemporary narrative
- ▶ cultural diversity in the script and story development process
- ▶ linear and non-linear story design
- ▶ live-events scripting
- ▶ narrative structures, styles and dramaturgical methodologies
- ▶ occupational dynamics of stage and screenwriters
- ▶ story iteration across multiple media forms

**Learn more at [torontomu.ca/graduate/programs/scriptwriting-story-design](https://torontomu.ca/graduate/programs/scriptwriting-story-design).**

## Faculty of Arts

- A** Accredited program
- E** Exclusive to Toronto Met
- P** Part-time option



## Criminology and Social Justice

MA

Examine various forms of inequality as they intersect with the criminal justice system, and prepare for professional and leadership roles in private, public and non-profit organizations related to social justice. Three consecutive terms with course-based, major research paper/project (MRP) and field placement options.

### Sample research areas:

- ▶ Canadian national security law and policy
- ▶ gender, feminist and women's studies
- ▶ harm reduction approaches in justice systems
- ▶ historical studies on public order, political culture and urban governance

- ▶ human rights and migration
- ▶ Indigenous justice
- ▶ international perspectives on crime
- ▶ policing and "race"
- ▶ public perceptions of crime and justice
- ▶ victims and the justice system
- ▶ violence and communities
- ▶ youth justice policy and the administration of justice

**Learn more at [torontomu.ca/graduate/programs/criminology-and-social-justice](https://torontomu.ca/graduate/programs/criminology-and-social-justice).**

## Economics

### International Economics and Finance

MA **P**

### Economics

PhD

Combining rigorous analytical training with an empirical orientation, the International Economics and Finance MA program produces graduates who excel as researchers and managers at national and international organizations, while Economics PhD graduates become highly qualified economists with the analytical and empirical expertise required to succeed in the global economy. Students in both programs are eligible for a Canada Excellence Research Chair scholarship.

### Sample research areas:

- ▶ applied econometrics
- ▶ decision theory
- ▶ development economics
- ▶ economic history
- ▶ economic growth
- ▶ education
- ▶ empirical finance
- ▶ environmental economics
- ▶ financial econometrics
- ▶ game theory
- ▶ housing and land
- ▶ industrial organization
- ▶ international institutions
- ▶ international trade
- ▶ labour economics
- ▶ macroeconomics
- ▶ mathematical economics
- ▶ microeconomics
- ▶ monetary economics
- ▶ political economy
- ▶ public economics
- ▶ public finance

**Learn more at [torontomu.ca/graduate/programs/economics-graduate](https://torontomu.ca/graduate/programs/economics-graduate).**





## English

### Literatures of Modernity

MA

Envelop yourself in pressing contemporary theoretical and practical issues. Explore the rich variety of literary and other media forms and theories that pertain to, and have helped shape, different understandings of modernity. Graduates have completed PhD studies worldwide, and work in fields such as writing, publishing and teaching.

#### Sample research areas:

- ▶ creative writing, rhetoric and poetics
- ▶ critical theory and genre studies
- ▶ digital humanities, technology and urban studies
- ▶ film, visual culture and popular culture
- ▶ literatures and cultures from the 16th century to the present

🔗 Learn more at [torontomu.ca/graduate/programs/literatures-modernity](https://torontomu.ca/graduate/programs/literatures-modernity).



## Philosophy

MA

Experience diverse philosophical approaches. Explore a wide array of philosophical topics. This innovative five-term program offers a major research paper or thesis stream, providing solid preparation for PhD studies and valuable professional skills.

#### Sample research areas:

- ▶ 19th-century philosophy
- ▶ ancient philosophy
- ▶ applied philosophy
- ▶ contemporary continental philosophy
- ▶ critical theory
- ▶ existentialism
- ▶ metaphysics
- ▶ moral philosophy
- ▶ phenomenology
- ▶ philosophy of the environment
- ▶ philosophy of language
- ▶ philosophy of law
- ▶ philosophy of mind
- ▶ philosophy of religion
- ▶ social and political philosophy

🔗 Learn more at [torontomu.ca/graduate/programs/philosophy](https://torontomu.ca/graduate/programs/philosophy).



## Policy Studies

PhD

Delve into the connections between policy, social development and democratic governance. The first and only interdisciplinary doctoral program of its kind in Canada, the PhD in Policy Studies is designed to prepare a new generation of researchers for positions in academia and the public, non-profit and private sectors at the local, regional, national and international levels. One of the strengths of the program is that it balances the traditional policy studies approach with more recent insights offered by critical policy studies.

#### Track specializations:

- ▶ immigration, settlement and diaspora policies
- ▶ public policy and administration
- ▶ social policy

#### Research areas:

- ▶ environmental policy
- ▶ food security
- ▶ global policy
- ▶ health policy
- ▶ Indigenous governance and policy
- ▶ labour market policy
- ▶ urban policy

🔗 Learn more at [torontomu.ca/graduate/programs/policy-studies](https://torontomu.ca/graduate/programs/policy-studies).



## Psychology

MA / PhD

Experience leading-edge, experiential and career-focused training in either psychological science or clinical psychology. Psychological science stream graduates work in universities, hospitals, government, business and various other organizations. The clinical psychology stream is based on a scientist-practitioner model, preparing students for careers in clinical practice, research, supervision and teaching.

#### Streams/research areas:

- ▶ Clinical psychology – accredited by the Canadian Psychological Association
- ▶ Psychological science – research areas:
  - applied cognitive neuroscience
  - community and health psychology
  - lifespan development
  - social psychology

🔗 Learn more at [torontomu.ca/graduate/programs/psychology](https://torontomu.ca/graduate/programs/psychology).

## Public Policy and Administration

MA P

Integrating the fields of public policy and public administration to reflect the theoretical and practical realities of the political context of policy development, implementation and analysis, this innovative program prepares you for further academic pursuits and careers in the public, private or non-profit sectors. Accredited by the Canadian Association of Programs in Public Administration (CAPPA).

#### Sample research areas:

- ▶ global policy and development
- ▶ governance and citizenship
- ▶ public administration
- ▶ public policy

🔗 Learn more at [torontomu.ca/graduate/programs/public-policy-administration](https://torontomu.ca/graduate/programs/public-policy-administration).

## Spatial Analysis

MSA P

Master mapping and location analysis to support operational and strategic decision-making in government and industry. By harnessing the power of geographic information systems (GIS), our graduates shape the economic and social well-being of cities, the settlement and conservation policies of regions, and the health and connectivity of people across the globe.

#### Research areas:

- ▶ business/commercial applications
- ▶ physical/environmental geography and landscape analysis
- ▶ social and community information analysis

🔗 Learn more at [torontomu.ca/graduate/programs/spatial-analysis](https://torontomu.ca/graduate/programs/spatial-analysis).



# Faculty of Community Services

- A Accredited program
- E Exclusive to Toronto Met
- P Part-time option

## Child and Youth Care

MA P

This program focuses on theoretical and practice-oriented approaches related to young people facing adversity in various contexts, and covers issues and themes including trauma-informed care, resilience, life-space intervention, critical and anti-oppressive perspectives, and management and policy development in child- and youth-serving settings.

### Sample research areas:

- ▶ anti-violence efforts in schools
- ▶ anti-Black racism in child and youth care
- ▶ Black youth and school discipline
- ▶ child and youth participation
- ▶ child protection
- ▶ child sexual abuse, child sexual abuse images online (CSAIO), child sexual exploitation
- ▶ children's rights and citizenship
- ▶ clinical CYC practice
- ▶ CYC approaches to research
- ▶ international CYC practice
- ▶ management and policy development in CYC
- ▶ narratives from Indigenous Elders
- ▶ online relational practice
- ▶ organizational change
- ▶ over-representation of Black youth in child welfare
- ▶ peer violence among incarcerated youth
- ▶ relationships among Indigenous and non-Indigenous Peoples
- ▶ residential care and treatment
- ▶ rights-based approaches
- ▶ trauma

🔗 [Learn more at torontomu.ca/graduate/programs/child-youth-care.](https://torontomu.ca/graduate/programs/child-youth-care)



## Dietetics A

PMDip

Offered through partnerships between Toronto Met's School of Nutrition and external organizations, this professional master's diploma program is designed for graduates of accredited Canadian nutrition/dietetics programs seeking to become registered dietitians. Accredited under the Partnership for Dietetic Education and Practice (PDEP).

🔗 [Learn more at torontomu.ca/nutrition/graduate/dietetics-pmdip.](https://torontomu.ca/nutrition/graduate/dietetics-pmdip)

## Early Childhood Studies

MA P

Unique in North America, this program integrates inclusion in the broadest sense in order to recognize a young child's need to develop a positive identity as an individual and group member.

### Sample research areas:

- ▶ arts-informed research
- ▶ child and family policies
- ▶ children's health, well-being and chronic illness
- ▶ children's rights
- ▶ critical pedagogy
- ▶ disabled childhoods, inclusive practice and policy
- ▶ early childhood and social justice
- ▶ environmental- and place-based education
- ▶ holistic and art education
- ▶ immigrant and refugee children and families
- ▶ linguistic-minority children
- ▶ post-developmental pedagogies
- ▶ "race" and racism in early childhood settings
- ▶ research methods with young children

🔗 [Learn more at torontomu.ca/graduate/programs/early-childhood-studies.](https://torontomu.ca/graduate/programs/early-childhood-studies)



## Nursing

MN P

Prepare yourself for advanced-practice nursing. You will be connected to university teaching hospitals, research institutes, community health centres and long-term care facilities. Pursue studies in leadership in health-care policy and education, or health and illness of individuals and communities. Students can combine an MN with the Primary Health Care Nurse Practitioner certificate to develop advanced skills with an emphasis on comprehensive primary care.

### Sample research areas:

- ▶ design and evaluation of health interventions
- ▶ diverse and at-risk populations
- ▶ gender, sexuality and health
- ▶ health services and policy research
- ▶ living with health and illness across the lifespan
- ▶ mental health and well-being
- ▶ nursing professional education
- ▶ urban health

🔗 [Learn more at torontomu.ca/graduate/programs/nursing-graduate.](https://torontomu.ca/graduate/programs/nursing-graduate)

## Occupational and Public Health

MHSc

Experience an advanced and unique interdisciplinary learning opportunity in evidence-based prevention. Students gain the knowledge, skills, expertise and core competencies necessary to address key societal issues facing occupational and public health in Canada and globally.

### Sample research areas:

- ▶ active transportation
- ▶ built environments
- ▶ communicable diseases
- ▶ environmental health
- ▶ epidemiology
- ▶ ergonomics
- ▶ food safety
- ▶ global health
- ▶ Indigenous health
- ▶ injury prevention
- ▶ occupational health and safety
- ▶ public health policy
- ▶ risk and exposure assessment
- ▶ toxicology
- ▶ water quality

🔗 [Learn more at torontomu.ca/graduate/programs/occupational-public-health.](https://torontomu.ca/graduate/programs/occupational-public-health)

## Nutrition Communication A

MHSc

Open a dialogue on the future of food and nutrition. You will develop advanced knowledge and skills in the interpretation and communication of nutrition and food issues to small audiences via individual and group counselling and large ones via traditional and new media. The PDEP-accredited practicum option prepares future dietitians for success in current and evolving careers, while the major research paper/project (MRP) option prepares experienced dietitians to become leaders in nutrition communication.

🔗 [Learn more at torontomu.ca/graduate/programs/nutrition-communication.](https://torontomu.ca/graduate/programs/nutrition-communication)



“Toronto Met gave me the skills to create tangible change in the city we live in, challenged me to see systemic issues, and gave me opportunities to explore my interests through meaningful projects that make a real difference. The massive alumni network, industry partnerships, student and faculty support make this a community that is far-reaching and absolutely invaluable.”

### Social Work **A**

MSW

Devote yourself to building decolonizing, critical and anti-oppressive knowledge and practices that make change. You will learn to critically interpret and reflect on power relations in social work in order to promote social justice and transform practice. This perspective is relevant to all major social work fields, including practice within child welfare settings, school boards, clinical and community programs, and government institutions. Accredited by the Canadian Association for Social Work Education (CASWE), the MSW program promotes research in Canadian and international contexts and offers practicums in multiple settings.

#### Sample student research areas:

- ▶ anti-Black racism in social work
- ▶ anti-colonial approaches to social work
- ▶ anti-Indigenous racism in social work
- ▶ anti-oppression social work practices
- ▶ critical approaches to child welfare
- ▶ critical approaches to mental health and madness
- ▶ critical disability studies
- ▶ critical race studies and practice
- ▶ fat studies
- ▶ globalization and social work practice
- ▶ HIV/AIDS activism, education, prevention and social care
- ▶ income and food security
- ▶ Indigenous epistemologies and research methodologies
- ▶ Indigenous resurgence
- ▶ queer theory and identities
- ▶ sanism in social work
- ▶ social inclusion and citizenship
- ▶ social justice organizing
- ▶ social welfare policy
- ▶ systemic racism
- ▶ whiteness and white supremacy in social work

🔗 Learn more at [torontomu.ca/graduate/programs/social-work](https://torontomu.ca/graduate/programs/social-work).



- Dr. Samantha Biglieri, professor and Urban Development MPI alumna

### Urban Development

MPI

Toronto Met's Master of Planning (MPI) in Urban Development combines holistic examination and analysis of economic, socio-cultural, political, ecological and spatial elements in reimagining our communities, structured around the intertwined dimensions of urban culture and nature. Students explicitly address the principles of inclusivity and sustainability in designing for development.

#### Sample research areas:

- ▶ active transportation
- ▶ brownfields
- ▶ civic technology
- ▶ climate change
- ▶ ecological design
- ▶ employment lands
- ▶ ethnocultural diversity
- ▶ housing affordability
- ▶ municipal finance
- ▶ urban design

🔗 Learn more at [torontomu.ca/graduate/programs/urban-development](https://torontomu.ca/graduate/programs/urban-development).

### Urban Health **E**

PhD

This innovative interdisciplinary graduate program aims to empower students with the skills and knowledge to address the diverse and complex challenges faced by individuals and communities living in urban centres, and to generate sustainable cross-sectoral strategies and solutions to improve health and well-being.

Delivered by the Daphne Cockwell School of Nursing, this unique interdisciplinary PhD program prepares graduates to become effective leaders in research, policy and practice. It offers learning innovation that empowers students to collaborate across disciplines, generate robust evidence and create responsive solutions to advance the health and well-being of diverse populations living in urban centres.

#### Research areas:

- ▶ health and well-being
- ▶ safety and security
- ▶ migration, immigration and settlement

🔗 Learn more at [torontomu.ca/graduate/programs/urban-health-phd](https://torontomu.ca/graduate/programs/urban-health-phd).

## Faculty of Engineering and Architectural Science

**A** Accredited program

**E** Exclusive to Toronto Met

**P** Part-time option

### Aerospace Design Management **E**

PMDip

The first graduate-level university program of its kind in Canada, this program is intended for engineering professionals experienced in aircraft or aerospace component manufacturing. The professional master's diploma program provides in-depth knowledge of airworthiness standards and compliance required by Transport Canada and the Federal Aviation Administration.

🔗 Learn more at [torontomu.ca/aerospace/graduate/professional-masters-diploma](https://torontomu.ca/aerospace/graduate/professional-masters-diploma).



### Aerospace Engineering

MASc / MEng **P** / PhD

Explore the future of air travel. Join a state-of-the-art program with an esteemed reputation due to its industry partnerships and contribution to the development of strategic plans for promoting the growth of the aerospace industry at the provincial, national and international levels. Specialize in one of three areas: aerodynamics and propulsion, aerospace structures and aerospace manufacturing, or avionics and aerospace systems.

#### Sample research areas:

- ▶ aeroelasticity, unsteady, MAV and applied aerodynamics, nonlinear dynamics and chaos, fluid-structure interactions
- ▶ aircraft conceptual design, multidisciplinary design optimization

- ▶ composite materials, fibre metal laminates, high temperature fatigue, materials characterization
- ▶ computational structural and mathematical fluid dynamics, vibrations, mesh-reduction methods, intact/defective aerospace composite structures
- ▶ cooling of gas turbine blades, thermal management in aerospace systems
- ▶ design optimization, fluid-structure interaction, noise propagation
- ▶ fatigue, stress and high temperature testing, aerospace structures, manufacturing, materials and composites
- ▶ flight mechanics
- ▶ flight vehicle design and analysis
- ▶ guidance, navigation and control of space systems, UAVs
- ▶ mechatronics, macro/micro hybrid systems, design and control integration
- ▶ powerless flights
- ▶ robotics, control and aircraft systems
- ▶ short pulsed laser nano/micromachining, laser material interaction, synthesis of nanomaterial, nanomaterials for photovoltaic conversion
- ▶ spacecraft orbit, dynamics, and attitude estimation and formation control, sun sensors, star trackers, sensor processing, rover navigation
- ▶ urban wind power generation

🔗 Learn more at [torontomu.ca/graduate/programs/aerospace-engineering](https://torontomu.ca/graduate/programs/aerospace-engineering).

### Architecture **A**

MArch

Embark upon a critical study of architectural practice, both in its contemporary forms and in its future potential. Accredited by the Canadian Architectural Certification Board (CACB), this two-year, five-semester program will strengthen your ability to think critically, act collaboratively and respond with impactful solutions to create a dynamic future.

#### Sample research areas:

- ▶ Canadian architectural history and criticism
- ▶ design methods
- ▶ food security
- ▶ health care
- ▶ heritage conservation
- ▶ interactive architecture
- ▶ low-energy housing
- ▶ representation in architecture
- ▶ responsive architectural systems
- ▶ sustainable design
- ▶ urban ecology

🔗 Learn more at [torontomu.ca/graduate/programs/architecture](https://torontomu.ca/graduate/programs/architecture).

## Biomedical Engineering

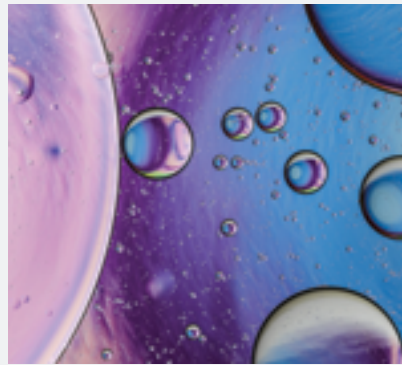
MASc / MEng **P** / PhD

Tap into Toronto Met's leading faculty network and conduct real-world research with industry partners such as St. Michael's Hospital and the University Health Network. Exciting possibilities in biomedical engineering R&D – ranked the number-one job in health care – include developing better medical devices, more sophisticated medical equipment and improved biomedical procedures.

### Sample research areas:

- ▶ biomaterials
- ▶ biomechanics
- ▶ biomedical devices
- ▶ biomedical signals and systems
- ▶ BioMEMS

🔗 [Learn more at torontomu.ca/graduate/programs/biomedical-engineering](https://torontomu.ca/graduate/programs/biomedical-engineering).



## Building Science

MASc / MBS **P** / PhD

Apply a foundation of building physics principles to the interaction between components of a building, its users and the environment. Focusing on delivering sustainability in the built environment, this unique interdisciplinary program prepares you for careers in the evolving architecture, engineering and construction industry or academia.

### Sample research areas:

- ▶ architectural acoustics and noise control
- ▶ building automation
- ▶ daylighting and energy-efficient

lighting design

- ▶ high-performance building envelopes
- ▶ intelligent sensors and instrumentation for buildings
- ▶ low-energy building design
- ▶ performance assessment of existing buildings
- ▶ recycling and reuse of construction materials and components
- ▶ renewable energy systems
- ▶ resilience in urban design
- ▶ sustainability in built environment
- ▶ zero-carbon buildings

🔗 [Learn more at torontomu.ca/graduate/programs/building-science](https://torontomu.ca/graduate/programs/building-science).

## Chemical Engineering

MASc / MEng **P** / PhD

Prepare to solve some of society's most pressing challenges in this dynamic program with the support of expert faculty and direct connections with industry and hospitals. Explore diverse research fields such as wastewater and food treatment, polymer and process engineering, metallurgy and nanotechnology. Students benefit from full-scale equipment and the latest computer technology for process modelling, simulation and control.

### Sample research areas:

- ▶ advanced oxidation technologies
- ▶ biomedical and tissue engineering
- ▶ biotechnology
- ▶ combined advanced oxidation technologies and biological processes for water and wastewater treatment
- ▶ computational fluid dynamics (CFD)
- ▶ CO<sub>2</sub> sequestration
- ▶ discrete element methods (DEM)
- ▶ enhanced oil recovery (EOR)
- ▶ fluidization technology
- ▶ food technology
- ▶ liquid crystalline materials and phase separation in polymer system
- ▶ mass transfer in polymer-solvent systems
- ▶ membrane technology
- ▶ microfluidics and lab-on-a-chip
- ▶ mixing of complex fluids
- ▶ nanotechnology
- ▶ packed-bed fluid dynamics and mass transfer
- ▶ photochemical reaction engineering
- ▶ polymer reaction engineering



- ▶ regenerative medicine
- ▶ renewable and green energy
- ▶ rheology, multiphase flow and flow visualization
- ▶ simulation, optimization, process control and optimal control
- ▶ statistical modelling and analysis
- ▶ supercritical fluids
- ▶ surface modification of polymers
- ▶ syntheses and characterization of microporous and mesoporous materials
- ▶ treatment of water and wastewater

🔗 [Learn more at torontomu.ca/graduate/programs/chemical-engineering](https://torontomu.ca/graduate/programs/chemical-engineering).

## Civil Engineering

MASc / MEng **P** / PhD

Combine traditional methods and the latest innovative technologies to solve a variety of challenging problems. Gain the support, mentors and facilities needed to advance your research and enhance the nation's economic, environmental and social development.

### Sample research areas:

- ▶ construction and infrastructure management
- ▶ environmental engineering
- ▶ geomatics engineering
- ▶ geotechnical engineering
- ▶ structural engineering
- ▶ transportation engineering

🔗 [Learn more at torontomu.ca/graduate/programs/civil-engineering](https://torontomu.ca/graduate/programs/civil-engineering).

## Computer Networks

MASc / MEng **P**

Meet the soaring need for computer networking experts as the world pushes the limits of connectivity. Designed with industry in mind, this leading program emphasizes practical knowledge and offers training in the high-demand, advanced skill set needed in the networking industry.

### Sample research areas:

- ▶ network architecture
- ▶ network virtualization and cloud computing
- ▶ data centre networks
- ▶ network security
- ▶ software-defined networking
- ▶ voice-over-internet protocol (VoIP) and multimedia



## Electrical and Computer Engineering

MASc / MEng **P** / PhD

Harness the power of electricity, circuitry and energy to impact society. Join a program that offers advanced education, research and engineering applications, and immerse yourself in a rigorous scholarly environment with strong cross-disciplinary interconnections.

### Sample research areas:

- ▶ biomedical engineering
- ▶ communications
- ▶ computer systems and very-large-scale integration (VLSI)
- ▶ power systems engineering and controls
- ▶ signal and multimedia processing

🔗 [Learn more at torontomu.ca/graduate/programs/electrical-computer-engineering](https://torontomu.ca/graduate/programs/electrical-computer-engineering).

## Energy and Innovation

PMDip

With growing awareness and concern about global warming, demand for clean energy, renewable resources and sustainability is greater than ever. This part-time professional master's diploma program enables you to continue working while gaining knowledge and skills for exciting and rewarding careers in urban energy.

🔗 [Learn more at torontomu.ca/cue/education/masters-diploma](https://torontomu.ca/cue/education/masters-diploma).

## Master of Engineering Innovation and Entrepreneurship

MEIE **P**

Dream big and disrupt the world with this 16-month program designed for engineering students and industry professionals interested in launching their own technology-based startups. Following the lean-startup development process, students take their concepts through three distinct phases: customer discovery, validation and acquisition, refining their projects from untested ideas into viable businesses. Study 16 months full-time or three years part-time with mentorship, professional development and seed funding opportunities.



### Research areas:

- ▶ biomedical engineering
- ▶ emerging technology
- ▶ energy and sustainable innovation

🔗 [Learn more at torontomu.ca/graduate/programs/engineering-innovation-entrepreneurship](https://torontomu.ca/graduate/programs/engineering-innovation-entrepreneurship).

## Mechanical and Industrial Engineering

MASc / MEng **P** / PhD

Conduct cutting-edge research to solve society's most urgent problems. This interdisciplinary program features world-class labs and research facilities, leading industry partnerships and the critical thinking, teamwork and advanced technical skills to push boundaries and shape the future.

### Sample research areas:

- ▶ biomechanics
- ▶ data science
- ▶ industrial engineering
- ▶ manufacturing and materials
- ▶ mechatronics and MEMS
- ▶ solid mechanics
- ▶ thermofluids and sustainable energy systems
- ▶ vibration dynamics and control

🔗 [Learn more at torontomu.ca/graduate/programs/mechanical-industrial-engineering](https://torontomu.ca/graduate/programs/mechanical-industrial-engineering).



## Project Management in the Built Environment

MASc / MPM **P**

Address the urgent challenges of the climate crisis and the rapidly changing architecture, engineering, construction and operations (AECO) industry. Explore principles necessary to deliver innovative and sustainable buildings and prepare for meaningful careers in AECO project management.

Research areas:

- ▶ advanced digital design and construction
- ▶ AEC practice management
- ▶ artificial intelligence applications in built environment
- ▶ automated data collection in construction
- ▶ construction project management
- ▶ data-driven infrastructure asset management
- ▶ design collaboration
- ▶ digital fabrication
- ▶ digital twins
- ▶ FM-enabled and life-cycle BIM planning
- ▶ integrating big data into BIM and building operations
- ▶ IT in project management
- ▶ smart buildings (technologies and/or implementation best practices)
- ▶ strategic investment in building portfolio retrofits

🔗 [Learn more at torontomu.ca/graduate/programs/project-management-built-environment.](https://torontomu.ca/graduate/programs/project-management-built-environment)

## Faculty of Science

**A** Accredited program

**E** Exclusive to Toronto Met

**P** Part-time option



### Computer Science

MSc / PhD

Be at the forefront of a dynamic discipline that impacts our lives in innumerable ways. Innovate in artificial intelligence, robotics, computer communication networks and more. Graduates are in high demand, with a wide range of exciting career options in industry and academia.

#### Sample research areas:

- ▶ artificial intelligence
- ▶ augmented and virtual reality
- ▶ computer graphics
- ▶ computer vision
- ▶ cyber-security
- ▶ data mining
- ▶ data science
- ▶ machine learning
- ▶ networks
- ▶ robotics
- ▶ software engineering

🔗 [Learn more at torontomu.ca/graduate/programs/computer-science.](https://torontomu.ca/graduate/programs/computer-science)

### Mathematics

#### Applied Mathematics

MSc

#### Mathematical Modelling and Methods

PhD

See why math matters in all areas of human endeavour. This program provides you with a technical and scientific education to extend your knowledge and acquire new skills in the mathematical sciences. MSc students explore complex technical concepts in a thesis or major research paper, while PhD students become highly skilled research scientists ready for rewarding careers in academia, financial institutions, hospital research laboratories and companies that use data strategically.

#### Sample MSc research areas:

- ▶ biomathematics
- ▶ complex networks
- ▶ cryptography
- ▶ data mining
- ▶ differential equations and operator theory
- ▶ financial mathematics
- ▶ fluid mechanics
- ▶ graph theory
- ▶ machine learning
- ▶ statistics

#### Sample PhD research areas:

- ▶ biomathematics and fluids
- ▶ discrete mathematics and networks
- ▶ financial mathematics

🔗 [Learn more at torontomu.ca/graduate/programs/mathematics.](https://torontomu.ca/graduate/programs/mathematics)



### Molecular Science

MSc / PhD

Spanning the boundaries of modern chemistry and biology, this unique, research-intensive program provides innovative professional training for tomorrow's scientific leaders. Students benefit from faculty experts in a wide variety of fields, a supportive entrepreneurial community and research partnerships with industry, government and hospitals. Rigorous, real-world courses prepare graduates for rewarding careers in the pharmaceutical, biotechnology and environmental sectors.

#### Sample research areas:

- ▶ biomedical and biomolecular interactions
- ▶ cells, genes and molecules
- ▶ ecology and biogeochemical cycles
- ▶ materials and food chemistry
- ▶ molecular physics
- ▶ pathogens and infection
- ▶ surfaces and interfaces
- ▶ synthetic and medicinal chemistry
- ▶ water, energy and environmental change

🔗 [Learn more at torontomu.ca/graduate/programs/molecular-science.](https://torontomu.ca/graduate/programs/molecular-science)

### Physics **A**

MSc / PhD

Innovate within a multidisciplinary program to make a positive impact on society. Gain exposure to a variety of fields such as biomedical physics, CAMPEP-accredited medical physics and complex systems through the application of physics, engineering, computer science and biology.

#### Sample research areas:

##### Complex systems

- ▶ networks and nonlinear dynamics
- ▶ statistical physics of complex systems
- ▶ virophysics

##### Health physics

- ▶ toxic and trace element detection in humans

##### Medical imaging

- ▶ magnetic resonance imaging
- ▶ optical imaging
- ▶ photoacoustic imaging
- ▶ ultrasound imaging

##### Treatment modalities

- ▶ laser therapies
- ▶ nanoparticle-mediated therapies/theragnostics
- ▶ radiation therapy and treatment planning
- ▶ ultrasound therapies

🔗 [Learn more at torontomu.ca/graduate/programs/physics.](https://torontomu.ca/graduate/programs/physics)



# Ted Rogers School of Management

- A** Accredited program
- E** Exclusive to Toronto Met
- P** Part-time option

## Accounting **A**

PMDip

Accredited by Chartered Professional Accountants (CPA) Ontario, this program enables Ted Rogers School of Management accounting graduates to advance their professional careers and work towards the CPA designation. The program employs active learning, guest speakers and extensive use of case studies, discussions and projects at the graduate level. Upon completion, students can move directly to the CPA PEP Capstone modules, and ultimately write the national Common Final Examination (CFE).

📍 [Learn more at torontomu.ca/tedrogersschool/pmdiploma/programs/accounting.](https://torontomu.ca/tedrogersschool/pmdiploma/programs/accounting)



## Management

PhD **P**

The PhD in Management is designed to develop graduates who are skilled in research that includes a theoretical and practical understanding of the challenges that organizations experience, and who are able to disseminate that research in appropriate venues. Graduates of this program can go on to become academic or industry leaders in sectors such as government, non-profit, consulting or corporate research. Accredited by the Association to Advance Collegiate Schools of Business (AACSB), the program offers full-time (four years) and part-time (four to six years) options.

### Interdisciplinary areas of specialization:

- ▶ digital enterprise and social media
- ▶ real estate studies
- ▶ retail and consumer services
- ▶ strategy, innovation and entrepreneurship

📍 [Learn more at torontomu.ca/tedrogersschool/phd-management.](https://torontomu.ca/tedrogersschool/phd-management)

## Master of Business Administration **A**

MBA **P**

The top-ranked Ted Rogers MBA equips students with a comprehensive business management education that blends academic theory with innovative experiential learning opportunities, and combines today's essential business skills with tomorrow's technologies. With a strong focus on practical hands-on experience, this AACSB-accredited MBA prepares you for career advancement in virtually all sectors. Full-time, part-time and a sport business focus available.

📍 [Learn more at torontomu.ca/mba.](https://torontomu.ca/mba)



## Master of Health Administration (Community Care) **E**

MHA (CC)

The Master of Health Administration (Community Care) is the first Canadian graduate degree in this dynamic and growing sector. With the increasing importance of community care across health-care systems, this program addresses the critical need for leaders who know how to negotiate and manage care delivery across networks of provider organizations to a range of clients and families. This professional program develops innovative and entrepreneurial managers who can effectively and ethically lead, manage and/or start organizations that deliver care across diverse populations and locations.

📍 [Learn more at torontomu.ca/tedrogersschool/master-health-administration-community-care.](https://torontomu.ca/tedrogersschool/master-health-administration-community-care)

## Master of Science in Management **A**

MScM

Work with leading applied researchers to gain new knowledge of the complex problems facing organizations in the modern world. This 16-month program is designed to help you pursue a research career in industry or academia, equipping you with qualitative and quantitative research skills in management and innovation, across several disciplines in management. AACSB accredited.

### Sample research areas:

- ▶ accounting
- ▶ entrepreneurship and strategy
- ▶ finance
- ▶ global management studies
- ▶ health services management
- ▶ hospitality and tourism management
- ▶ human resources management and organizational behaviour
- ▶ information technology management
- ▶ law and business
- ▶ marketing
- ▶ real estate management
- ▶ retail management

📍 [Learn more at torontomu.ca/tedrogersschool/master-science-management.](https://torontomu.ca/tedrogersschool/master-science-management)





# Interdisciplinary programs

- A** Accredited program
- E** Exclusive to Toronto Met
- P** Part-time option



## Communication and Culture

MA **P** / PhD

This unique partnership between Toronto Met and York University combines expertise and opportunities for advanced study of media and cultural technologies, as well as communication politics in practice and theory. The two-year, full- or part-time MA program combines academic and professional work through independent research in theory-building, media practice or policy implications. The full-time PhD program provides a thorough grounding in theory and method, and the practices, processes and technologies of contemporary, media-immersed cultures.

### Research areas:

- ▶ Media and culture – the confluence of media and culture and their relationships within social systems.
- ▶ Politics and policy – the critical role of the state and civil society in the development of communication systems, the production and distribution of culture, and issues of societal power.
- ▶ Technology in practice – the development, application and influence of historical, current and emerging communication technologies in cultural production, both personal and organizational.

🔗 Learn more at [torontomu.ca/graduate/programs/comcult](http://torontomu.ca/graduate/programs/comcult).

## Data Science and Analytics

MSc **P**

Discover the fascinating world of big data. This unique program provides advanced training in data science and analytics principles and methodologies, in order to improve decision-making and problem solving in various industry, government and research domains. The interdisciplinary program engages industry partners to access extensive data in health care, software engineering, social media, services and finance. Graduates are highly trained, qualified data scientists who can pursue careers in industry, government or research. Full-time (one year) or part-time (two years).

### Sample research areas:

- ▶ adversarial AI
- ▶ Bayesian statistics and inferencing techniques
- ▶ big data analytics, predictive modelling and algorithm design for big data
- ▶ computational biology
- ▶ decision-making under uncertainty
- ▶ deep learning
- ▶ graph algorithms and graph mining
- ▶ machine learning
- ▶ recommender systems and natural language processing
- ▶ reinforcement learning, Markov decision process

🔗 Learn more at [torontomu.ca/graduate/programs/data-science-analytics](http://torontomu.ca/graduate/programs/data-science-analytics).



## Environmental Applied Science and Management

MASc **P** / PhD

Champion the environment. This program uniquely enables students to develop and explore interdisciplinary approaches to investigate the full scope of environmental issues. Students are supported by more than 100 faculty members and external associates from the full range of environmental disciplines including science, the social sciences, engineering, business, architecture, planning and public health.

### Sample research areas:

- ▶ assessment of solar energy policy
- ▶ automating GIS input for distributed urban drainage modelling
- ▶ best practices for mine site reclamation
- ▶ communication networks in rooftop urban agriculture
- ▶ community stakeholders and the Sagarmatha National Park Forestry Project, Nepal
- ▶ corporate responsibility in commercial real estate and construction
- ▶ enhanced biofuel production using renewable and sustainable feedstock
- ▶ environmental management in the film and television production industry
- ▶ ethanol production from cellulose using *C. thermocellum* and *T. saccharolyticum*
- ▶ feasibility of a site-specific predictive model for beach water quality
- ▶ green resins from renewable resources
- ▶ hydraulic fracturing policy
- ▶ knowledge management practices for sustainable development
- ▶ marine protected areas and the Nassau grouper in Belize
- ▶ multinational agrochemical corporations' environmental disclosure practices in India
- ▶ policy analysis of wind farm developments
- ▶ shoreline changes in Tuktoyaktuk and the Mackenzie Delta
- ▶ soil amendments to improve tree growth
- ▶ strategic environmental assessment and the energy sector

🔗 Learn more at [torontomu.ca/graduate/programs/environmental-applied-science-management](http://torontomu.ca/graduate/programs/environmental-applied-science-management).

Left: Photo by Gillian Ramsay, Environmental Applied Science and Management MASc alumna

## Immigration and Settlement Studies

MA **P**

Examine immigration trends, policies and programs in Canada and abroad from multidisciplinary perspectives. Explore the consequences and opportunities arising from transnational human mobility as it relates to Canada in the country's first graduate program devoted to the advanced study of immigration policy, services and experiences. Catering to research- and professionally oriented students, the program prepares graduates for careers in the community, government and private sectors, as well as further academic pursuits.

### Sample research areas:

- ▶ critical border studies
- ▶ diaspora and transnationalism
- ▶ economic impacts of migration
- ▶ gender, race and class in migration
- ▶ immigrant families, children and youth
- ▶ immigration and settlement history
- ▶ immigration and settlement law and policy
- ▶ immigration service organizations
- ▶ Indigenous-immigrant relations
- ▶ literatures of migration
- ▶ migrant identities
- ▶ migration and cities
- ▶ migration, globalization and security
- ▶ multiculturalism and citizenship

🔗 Learn more at [torontomu.ca/graduate/programs/immigration-settlement-studies](http://torontomu.ca/graduate/programs/immigration-settlement-studies).





# PROGRAMS AT A GLANCE

PROGRAM	DEGREE	PROGRAM LENGTH	FULL-TIME	PART-TIME	COURSE-BASED	MRP*	THESIS	FALL START	WINTER START	SPRING START
<b>THE CREATIVE SCHOOL</b>										
Digital Media	MDM	3 terms	■			■		■		
Documentary Media	MFA	6 terms	■			■		■		
Fashion	MA	5 terms	■			■		■		
Film + Photography Preservation and Collections Management	MA	6 terms	■			■	■	■		
Journalism	MJ	6 terms	■			■		■		
Media & Design Innovation	PhD	4 years FT, 6 years PT	■	■			■	■		
Media Production	MA	3 terms	■			■		■		
Professional Communication	MPC	3 terms	■			■		■		
Scriptwriting and Story Design	MFA	6 terms	■				■	■		
<b>FACULTY OF ARTS</b>										
Criminology and Social Justice**	MA	3 terms	■		■	■		■		
International Economics and Finance	MA	3 terms FT, 6 terms PT	■	■	■	■		■		
Economics	PhD	5-6 years	■				■	■		
Literatures of Modernity	MA	3 terms	■			■		■		
Philosophy	MA	5 terms	■			■	■	■		
Policy Studies	PhD	4 years	■				■	■		
Psychology	MA	6 terms	■				■	■		
Psychology	PhD	4 years	■				■	■		
Public Policy and Administration	MA	3 terms FT, 6 terms PT	■	■	■	■	■	■		
Spatial Analysis	MSA	3 terms FT, 6 terms PT	■	■		■	■	■		
<b>FACULTY OF COMMUNITY SERVICES</b>										
Child and Youth Care	MA	3 terms FT, 6 terms PT	■	■		■		■		
Dietetics	PMDip	3 terms	■			■		■		
Early Childhood Studies	MA	3 terms FT, 6 terms PT	■	■	■	■		■		
Nursing †	MN	5/6 terms FT, 9/12 terms PT	■	■	■		■	■		
Nutrition Communication †	MHSc	3-4 terms	■			■		■		
Occupational And Public Health	MSc	6 terms	■				■	■		
Social Work	MSW	3 terms	■			■		■		
Urban Development	MPI	5 terms, 3 terms accelerated	■			■		■		
Urban Health	PhD	4 years	■				■		■	



PROGRAM	DEGREE	PROGRAM LENGTH	FULL-TIME	PART-TIME	COURSE-BASED	MRP*	THESIS	FALL START	WINTER START	SPRING START
<b>FACULTY OF ENGINEERING AND ARCHITECTURAL SCIENCE</b>										
Aerospace Design Management	PMDip	6 terms		■	■			■	■	
Aerospace Engineering	MASc	6 terms	■				■	■	■	■
Aerospace Engineering	MEng	6 terms FT, 9 terms PT	■	■	■	■	■	■	■	■
Aerospace Engineering	PhD	4 years	■				■	■	■	■
Architecture	MArch	5 terms	■				■	■		
Biomedical Engineering	MASc	3-9 terms FT	■				■	■	■	■
Biomedical Engineering	MEng	3-9 terms FT, 6-9 terms PT	■	■	■	■	■	■	■	■
Biomedical Engineering	PhD	4 years	■				■	■	■	■
Building Science	MASc	6-9 terms	■				■	■		
Building Science	MBSc	3-9 terms FT, 6-15 terms PT	■	■		■	■	■		
Building Science	PhD	4 years	■				■	■		
Chemical Engineering	MASc	3-9 terms	■				■	■	■	■
Chemical Engineering	MEng	3-9 terms FT, 6-15 terms PT	■	■	■	■	■	■	■	■
Chemical Engineering	PhD	4 years	■				■	■	■	■
Civil Engineering	MASc	3-9 terms	■				■	■	■	■
Civil Engineering	MEng	3-9 terms FT, 6-15 terms PT	■	■	■		■	■	■	■
Civil Engineering	PhD	4 years	■				■	■	■	■
Computer Networks	MASc	4-9 terms FT	■				■	■		
Computer Networks	MEng	3-9 terms FT, 6-15 terms PT	■	■		■	■	■		
Electrical and Computer Engineering	MASc	6 terms	■				■	■	■	■
Electrical and Computer Engineering	MEng	5 terms FT, 9 terms PT	■	■	■	■	■	■	■	■
Electrical and Computer Engineering	PhD	4 years	■				■	■	■	■
Energy and Innovation	PMDip	3 terms		■		■	■	■	■	■
Master of Engineering Innovation and Entrepreneurship	MEIE	4 terms FT, 9 terms PT	■	■		■	■	■		
Mechanical and Industrial Engineering	MASc	3-9 terms	■				■	■	■	■
Mechanical and Industrial Engineering	MEng	3-9 terms FT, 6-15 terms PT	■	■	■	■	■	■	■	■
Mechanical and Industrial Engineering	PhD	4 years	■				■	■	■	■
Project Management in the Built Environment	MASc	6 terms	■				■	■		
Project Management in the Built Environment	MPM	1 year FT, 2 years PT	■	■	■	■	■	■		

PROGRAM	DEGREE	PROGRAM LENGTH	FULL-TIME	PART-TIME	COURSE-BASED	MRP*	THESIS	FALL START	WINTER START	SPRING START
<b>FACULTY OF SCIENCE</b>										
Computer Science	MSc	6 terms	■		■	■	■	■		
Computer Science	PhD	4 years	■				■	■	■	
Applied Mathematics	MSc	4-6 terms	■			■	■	■		
Mathematical Modelling and Methods	PhD	4 years	■				■	■		
Molecular Science	MSc	6-9 terms	■				■	■		
Molecular Science	PhD	4 years	■				■	■		
Physics	MSc	6 terms	■				■	■		
Physics	PhD	4 years	■				■	■	■	■
<b>TED ROGERS SCHOOL OF MANAGEMENT</b>										
Accounting	PMDip	4 months	■			■			■	■
Master of Business Administration <sup>§</sup>	MBA	12-16 months FT (16-20 months flex FT), 24-36 months PT	■	■		■		■		■
Master of Health Administration (Community Care)**	MHA(CC)	16 months	■			■		■		
Master of Science in Management	MScM	16 months	■				■	■		
Management	PhD	4 years FT, 12-18 terms PT	■	■			■	■		
<b>INTERDISCIPLINARY PROGRAMS</b>										
Communication and Culture	MA	6-9 terms FT, 12-15 terms PT	■	■		■	■	■		
Communication and Culture	PhD	4 years	■				■	■		
Data Science and Analytics	MSc	3 terms FT, 6 terms PT	■	■		■		■		
Environmental Applied Science and Management	MASc	6 terms FT, 9-15 terms PT	■	■		■	■	■		■
Environmental Applied Science and Management	PhD	4 years	■				■	■	■	■
Immigration and Settlement Studies	MA	3 terms FT, 6 terms PT	■	■		■		■		

For information on the Toronto Met Law program, visit [torontomu.ca/law](http://torontomu.ca/law).

- \* May refer to Major Research Paper (MRP) or Master's Project, Master's Research Paper, Major Research Project, Professional Project, Diploma Project (as determined by each individual program)
- \*\* Field placement or community project option available
- † Primary Health Care Nurse Practitioner Certificate (PHCNP) option available, 6 terms FT
- ‡ Accredited Practicum option available
- § Sport Business focus available



# HOW TO APPLY



## 1. Before you apply

- ▶ Explore program offerings at [torontomu.ca/graduate/programs](http://torontomu.ca/graduate/programs).
- ▶ Contact the program administrator for more information.
- ▶ Contact potential supervisors to discuss your area of interest.
- ▶ Determine if you prefer a course-based or research-based program.
- ▶ Look into program costs, tuition, and non-tuition and living expenses.
- ▶ Prepare yourself for any formal exams that may be required (e.g. GMAT, GRE, TOEFL).
- ▶ Connect with potential referees to ensure they are aware of your application.
- ▶ Take a virtual campus tour at [torontomu.ca/admissions/visits-tours](http://torontomu.ca/admissions/visits-tours).

## 2. Applying to Toronto Met

The minimum grade requirement for admission consideration to a master's program is a 3.0/4.33 (B or equivalent) in the last two years of study within a four-year undergraduate (or equivalent) bachelor's degree. For doctoral studies, you must have achieved a minimum of 3.33/4.33 (B+ or equivalent) in your master's program. Check the program's admission web page for further details and variations to this requirement.

Where possible, it is recommended that you prepare all required documentation prior to submitting your application. All programs require the following documents, in addition to any program-specific documents outlined on the program website:

- ▶ statement of interest/letter of intent
- ▶ resumé/CV
- ▶ all post-secondary transcripts
- ▶ English proficiency test scores (if applicable)
- ▶ letters of recommendation

Take note of the program's first consideration date as indicated at [torontomu.ca/graduate/future-students/apply/application-deadlines](http://torontomu.ca/graduate/future-students/apply/application-deadlines). It is strongly advised that you keep electronic copies of all documentation submitted.

## 3. Submitting your application

Applying to graduate studies at Toronto Met is a two-step process:

1. Formally submit an application through the OUAC ([ouac.on.ca/apply/tmugrad](http://ouac.on.ca/apply/tmugrad)) and pay the required application fee.

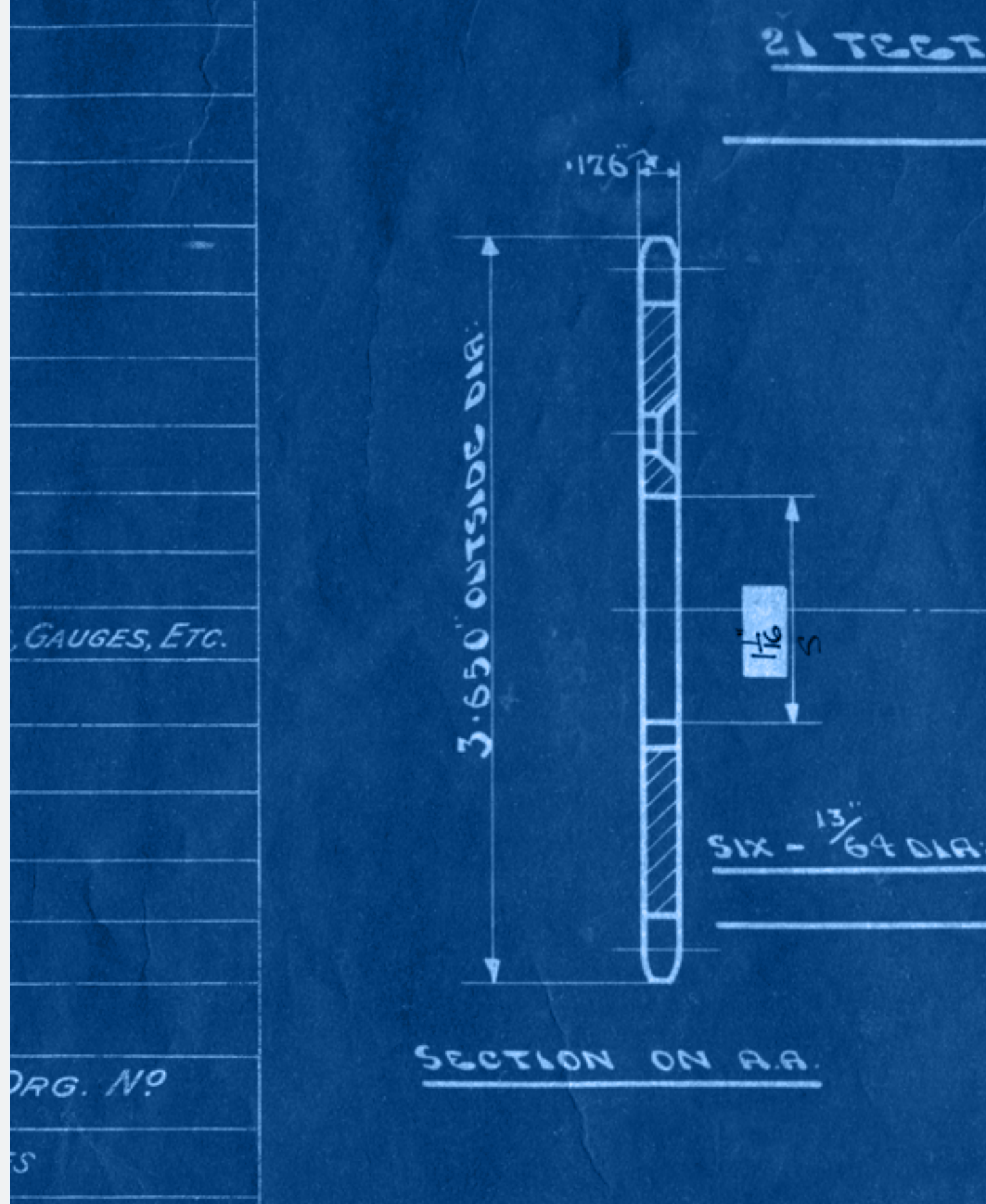
2. Once your OUAC application has been received by the Graduate Admissions and Recruitment Office, you will receive instructions on how to upload all your required documents, including supporting documents requested by your program. For more information, visit [torontomu.ca/graduate/future-students](http://torontomu.ca/graduate/future-students).


## 4. Once you've been accepted

You will be required to fulfill the admissions conditions as outlined in your offer of admission (if applicable). This may include submitting documents such as final official transcripts and paying the applicable tuition deposit.

Your program will be in touch regarding orientation and enrolment activities.

We look forward to welcoming you to Toronto Met!



 Learn more at  
[torontomu.ca/graduate/future-students](https://torontomu.ca/graduate/future-students)

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@TMUgraduate



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