Master of Engineering: MEng

With strengths in some of the most globally impactful areas of study, U of G Engineering is actively educating engineers who will shape the world of tomorrow. We are proud to offer several graduate degree choices where our research is diverse and multi-disciplinary. Guelph Engineers are applying their expertise and knowledge to research and consulting projects all over the world.

What makes U of G Engineering unique is our focus on fostering a truly collaborative environment where the next generation of researchers are working to solve some of the critical questions that will shape the answers to issues facing both the local and global communities.

uoguelph.ca/programs/master-of-engineering/

PROGRAM

Building on our tradition of sustainability and design, the MEng program provides advanced training in globally important fields of study while delivering exceptional value for students seeking high-impact engineering education. Flexible course selection allows students to tailor their degree to their interests, career goals, and emerging industry trends. Small class sizes encourage greater interaction with course instructors and deeper engagement with real-world engineering challenges. MEng graduates have an enhanced understanding of engineering principles and their application to complex, practical problems.

As a *Work Experience (WEX)*-approved program, the MEng offers students the opportunity to gain meaningful, paid professional experience in a vocational setting, build industry connections, and graduate with relevant Canadian workplace exposure. The Experiential Learning Hub provides guidance through the WEX competitive job search process, ensuring students are well positioned for success.

This coursework program is designed to be completed in 16 months of full-time study. Part-time study is also available. Students seeking a shorter timeline may discuss an accelerated completion option with the Graduate Program Coordinator.

RESEARCH FIELDS

- Computer Engineering
- Mechanical Engineering
- Mechatronics Engineering
- Environmental Engineering
- Biological Engineering
- Biomedical Engineering
- Engineering Systems and Computing
- Water Resources Engineering

ADMISSION REQUIREMENTS

- Honours engineering degree with minimum 70% average in the last two years of full-time study
- Sufficient background in mathematics and the physical sciences
- Students whose first language is not English are required to submit an English Proficiency Test result with their application

APPLICATION DEADLINES:

Entry: Fall / Winter / Summer

See website for deadlines.

ARE YOU INTERESTED IN:

- Water and the Environment
- Sustainable Energy Systems
- Food and Agriculture Engineering
- Manufacturing and Materials
- Resource and Waste Management
- Intelligent Systems and Automation

CAREER OPPORTUNITIES:

- Mechanical Designer
- Environmental Engineer
- Junior Process Engineer
- Project Coordinator
- Mechanical/Energy Designer
- Data Developer
- Software Engineer
- Quality Control Engineer

CONTACT INFORMATION

Graduate Admissions Inquiries:
519-824-4120 ext 58764
soe.gradmiss@uoguelph.ca

UNIVERSITY OF GUELPH

Engineering: MASc

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uoguelph.ca/engineering

PROGRAM

Building on our tradition of sustainability and design, the MASc Engineering program offers opportunities for advanced research in 8 fields of study. The MASc graduate program is research thesis based and is available in full-time as well as part-time studies. The research option provides advanced training in the engineering sciences and research methodology through a variety of applied and basic research topics and courses.

The prescribed program of study must consist of no fewer than 4 courses, and requires the successful completion and defense of a thesis based upon research of an approved topic. The program duration is 24 months.

RESEARCH FIELDS

- Biological Engineering
- Biomedical Engineering
- Computer Engineering
- Environmental Engineering
- Engineering Systems and Computing
- Mechanical Engineering
- Mechatronics Engineering
- Water Resources Engineering

ADMISSION REQUIREMENTS

- Bachelor's degree in engineering, or equivalent with a minimum 75% average in the last 2 years of full-time study (or equivalent)
- Demonstrated acceptable analytical ability by having sufficient background in mathematics, chemistry, and physics
- Applicants without a BEng must be prepared to take additional courses in topics related to the research project, without receiving graduate credit(s)
- Students whose first language is not English are required to submit an English Proficiency Test result with their application

FUNDING

The School of Engineering guarantees financial support to all full-time MASc students admitted to the program. Financial support is not provided to students pursuing their degree on a part-time basis.

Sources of Funding: Graduate Research Assistantships, Graduate Teaching Assistantships, Scholarships, Awards and Bursaries

APPLICATION DEADLINES:

Entry: Fall / Winter / Summer

See website for deadlines.

ARE YOU INTERESTED IN:

- Water and the Environment
- Sustainable Energy Systems
- Food and Agriculture Engineering
- Manufacturing and Materials
- Resource and Waste Management
- Intelligent Systems and Automation

CAREER OPPORTUNITIES:

- Government
- Industry
- Consulting/Entrepreneurial
- International Organizations, NGOs
- Research and Development

CONTACT INFORMATION

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soe.gradmiss@uoguelph.ca

UNIVERSITY OF GUELPH

Engineering: PhD

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What makes U of G Engineering unique is our focus on fostering a truly collaborative environment where the next generation of researchers are working to solve some of the critical questions that will shape the answers to issues facing both the local and global communities.

uoguelph.ca/engineering

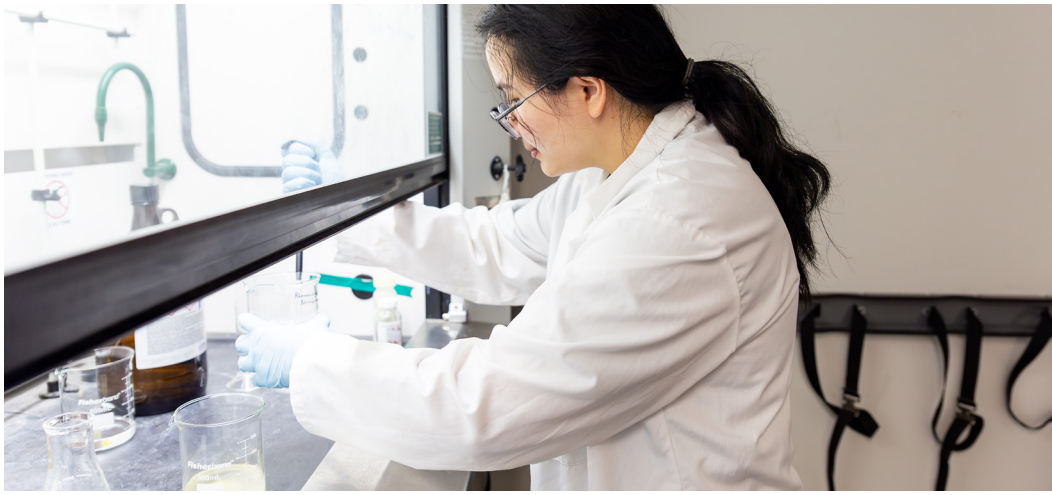
PROGRAM

The PhD Engineering program prepares candidates for a career in engineering teaching, research, or consulting. Building on our tradition of sustainability and design, U of G Engineering fosters a unique, collaborative and inter-disciplinary environment in which to conduct research in 8 fields of study. The PhD program is available in full-time as well as part-time study and provides the opportunity to obtain advanced training in the engineering sciences and research methodology through a variety of applied and basic research topics and courses.

The prescribed program of study must consist of no fewer than 4 courses in addition to those taken as part of the MASc degree. The PhD program also requires the successful completion of a qualifying exam and the completion and defense of a thesis on research of an approved topic. The program duration is 48 months.

RESEARCH FIELDS

- Biological Engineering
- Biomedical Engineering
- Computer Engineering
- Environmental Engineering
- Engineering Systems and Computing
- Mechanical Engineering
- Mechatronics Engineering
- Water Resources Engineering



ADMISSION REQUIREMENTS

- A recognized Master's degree in engineering, with at least a minimum 73% average in the Master's program
- Students whose first language is not English are required to submit an English Proficiency Test result with their application

FUNDING

The School of Engineering guarantees financial support to all full-time PhD students admitted to the program. Financial support is not provided to students pursuing their degree on a part-time basis.

Sources of Funding: Graduate Research Assistantships, Graduate Teaching Assistantships, Scholarships, Awards and Bursaries.

APPLICATION DEADLINES:

Entry: Fall / Winter / Summer

See website for deadlines.

CAREER OPPORTUNITIES:

- Government
- Academia
- Industry/Consulting/Entrepreneurial
- International Organizations, NGOs
- Research and Development

ARE YOU INTERESTED IN:

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