

## Engineering: MASc

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/engineering](http://uoguelph.ca/engineering)

### Program

Building on our tradition of sustainability and design, the MASc Engineering program offers opportunities for advanced research in 6 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 approximately 5-6 semesters (with 3 semesters per year).

### Research Fields

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

### Application Deadline:

Fall Entry: May 1  
Winter Entry: August 1  
Summer Entry: January 1



*"The learning environment at the University of Guelph is incredible. Every student or colleague I encountered always offered help and support in academia whenever needed. Come and visit to see the learning experience that exists here."*

- Hayson Ko (MASc 2018, Engineering Systems and Computing)

### 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)

### 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

### 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

**Graduate Admissions Inquiries:**  
519-824-4120 ext 58764  
[soe.gradmiss@uoguelph.ca](mailto:soe.gradmiss@uoguelph.ca)

## Engineering: PhD

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.

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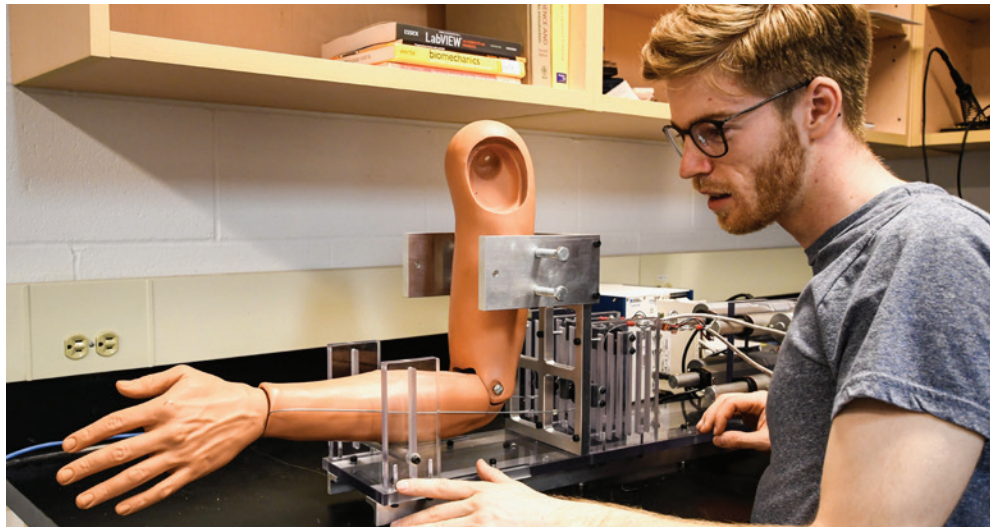
### Program

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 interdisciplinary environment in which to conduct research in 6 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 approximately 9-12 semesters (with 3 semesters per year).

### Research Fields

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



*This photo shows the operation of a wrist joint motion simulator for carpal tunnel research by Drew Anderson (PhD, Engineering) under the supervision of Dr. Karen Gordon and Dr. Michele Oliver.*

### Admission Requirements

- A recognized master's degree in engineering, with at least a high second-class standing

### Application Deadline:

Fall Entry: May 1

Winter Entry: August 1

Summer Entry: January 1

### 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

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

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## Engineering: MEng

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### Program

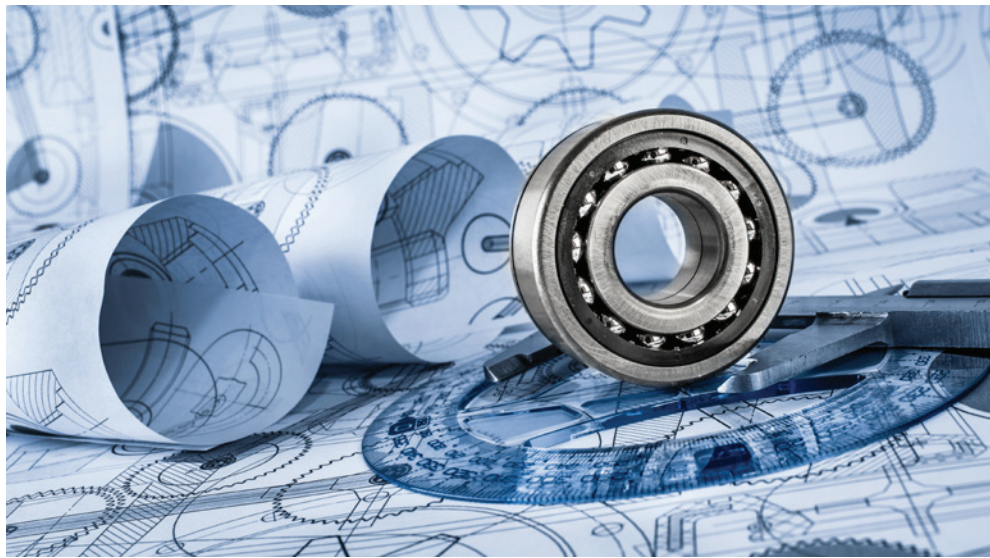
Building on our tradition of sustainability and design, the MEng program offers opportunities for advanced training in some of the most globally important fields of study.

The MEng program is coursework-based and can be taken as a full-time or part-time program of study. The coursework option provides graduates with a fuller understanding of engineering principles and a better grasp of their application to the solution of complex, practical problems.

MEng students have the option to complete 8 courses, or 6 courses and a final project. Both options take approximately 3-5 semesters to complete (with 3 semesters per year). All incoming MEng students are enrolled in the courses study option by default and may seek out potential advisors before or within their first semester to secure a final project.

### Research Fields

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



### Admission Requirements

- Completion of an honours program with at least a 70% average in the last two years of full-time study
- Demonstrated acceptable analytical ability by having sufficient background in mathematics, chemistry, and physics
- Background in undergraduate engineering courses

### Application Process

Application deadlines are the same for both Domestic and International applicants; however, we recommend International applicants apply online a minimum of nine months in advance of the semester start date and review the International Credential Guidelines before you apply.

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### ARE YOU INTERESTED IN:

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