

# ELECTRICAL ENGINEERING

## BACHELOR OF ENGINEERING



Electrical Engineering involves the design of devices and systems that employ the flow of electrons to achieve useful purposes. It encompasses electrical power generation and distribution, robotics, electronics, wired and wireless communications, optoelectronics, signal processing, computers, radar, medical imaging and many other technologies. This program focuses heavily on the physical design of electronics, electromagnetics and communication systems.

### Potential Employers

- Alectra Utilities
- AMD
- Ericsson
- Evertz
- Honda Canada
- Hydro One
- IESO
- L3Harris WES-CAM
- Loblaws Ltd.
- Ontario Power
- Toronto Hydro

### Potential Careers

- Applied Systems Engineering Co-op
- Control Room Support Student
- Design and Construction Student
- GPU Advanced Technology Development Co-op
- Power System Planning Student
- Radio Antenna Design Co-op
- Silicon Design Verification Engineer
- Systems Engineering Test Co-op

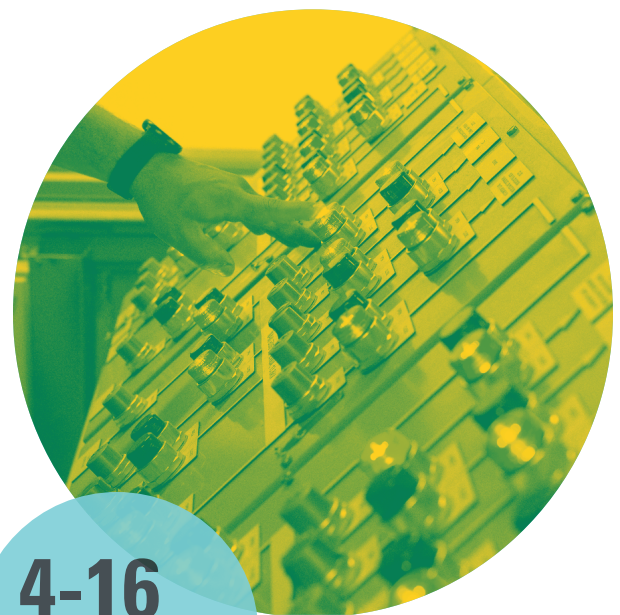
### Average Salary

All work term opportunities must be compensated by your employer. Compensation for work terms varies widely depending on your employer, industry of employment, program of study, year of study, and prior work experience.

In 2022/2023, the average hourly wage for undergraduate co-op students was **\$23.00 per hour**. The wage range for students was between \$16.00 to \$60.00 per hour.

### How Do Employers Get Involved On Campus?

- Engineering Networking Nights
- Hosting Career Development Workshops
- Involving in organizing capstone projects, hackathons, or research projects
- McMaster Career Fair
- Posting positions on Oscarplus (Job Board)



**4-16**  
Month co-op  
terms available



**ENGINEERING**  
Co-op and Career Services

Need more info? Visit our website!

<https://www.eng.mcmaster.ca/ece/programs/degree-options/beng-electrical-engineering/>

# ENGINEERING CO-OP & CAREER SERVICES

Ranked among the

**TOP 85**

universities in the world

*Times Higher Education*

Engineering Co-op & Career Services (ECCS) connects students with employers, offers career development tools and resources, and provides opportunities for students to gain employment experience.

**We understand that every student is different; your career journey is shaped by the many experiences you have. Engineering Co-op & Career Services is here to prepare you for your future. Our approach allows you to have the flexibility to make your own decisions and choices, with the support of our team and subject-matter experts. We are here to guide, support, coach and offer expertise, resources and options.**

Our program is optional, flexible and accessible for all.

- Co-op is available in all degree options.
- A minimum of 12 months of relevant work experience is required to receive the co-op designation on your degree.
- For maximum flexibility, options include:
  - 4-month summer work-terms.
  - 8-month to 16-month continuous a-terms

## Career Support & Skill Development

From career support to skill development, ECCS offers a wide range of services available to all students registered in the Faculty of Engineering. We believe in integrating our services and taking an educative approach to ensure our students get the best out of our services:

- Employment Preparation and Career Readiness
- Career Educators for each program
- 1:1 appointments and job search support
- Professional & career development workshops
- On-the-job check-ins and work term reflections
- Emphasis on the lifelong process, skill development, and professional growth

**99%**

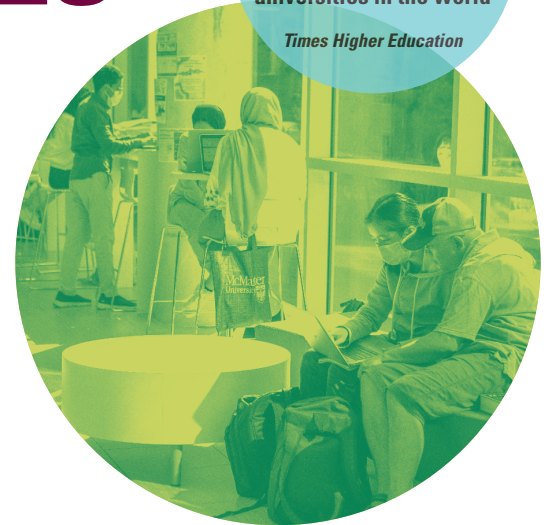


Of students felt their company provided them with a **diverse, ethical, & equitable** work environment

**96%**



Of students felt their company provided them with a **rewarding work** environment



## Companies

Faculty of Engineering co-op students undertake work terms with leading companies across the globe, including:

Aecon Group Inc.	Ontario Power
ArcelorMittal Dofasco	Ford Canada
BlackBerry	GE Canada
Celestica	General Motors
Chrysler	Generation
CIBC	John Deere
Corporation	Rockwell Automation
Corporation Maple Leaf	Stackpole International
Foods	Stem Cell Technologies

## Statistics

- McMaster Engineering is the second largest co-op program in Ontario, Canada.
- In 2022/2023, over 2500 undergraduate and graduate students completed over 4000 co-op work terms across the globe.

Need more info? Visit our website!  
[eng.mcmaster.ca/co-op-career/co-op-program](https://eng.mcmaster.ca/co-op-career/co-op-program)

**ENGINEERING**  
Co-op and Career Services

