# INTEGRATED BIOMEDICAL & HEALTH SCIENCES

# BACHELOR OF ENGINEERING

The Integrated Biomedical Engineering and Health Sciences program is an interdisciplinary undergraduate program that will give students a strong foundation in both engineering and health sciences. Students will have a common first year before choosing to specialize in either health sciences or engineering in second year. Over the past decade, conceptual and technological advances in biological and medical sciences along with advances in information technology, bio materials, and nano-technology has created a need for engineers specialized in this field.

### **Potential Employers**

- AMD
- RBC
- Bylis Medical
- SickKids
- Celestica
- Tesla
- Evertz Inc.
- University
- Geotab Inc.

Health Network

- PointClickCare
- ViVitro Labs

### **Potential Careers**

- ASIC Design Co-op
- Embedded Systems Developer
- Foundry Technology Operations
- Materials & Process Technology Intern
- Mechanical Engineering Student
- Product Certification intern
- Silicon Design/Integration & Verification Engineering 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.

terms available

## 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)





Want more information on the program? Visit: https://www.eng.mcmaster.ca/ibiomed/

**ENGINEERING CO-OP** & CAREER SERVICES

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

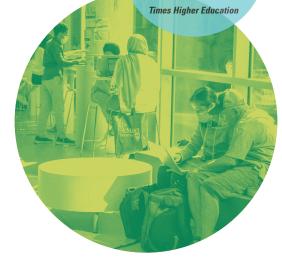


Of students felt their company provided them with a **rewarding work** environment

Ranked among the

universities in the world





### **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

Rockwell Automation Corporation Stackpole International Corporation Maple Leaf 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

> **ENGINEERING** Co-op and Career Services

