

Biomedical Engineering: Engagement Opportunities

Biomedical Engineering at The University of Calgary is a transdisciplinary effort that drives innovations that are saving lives and revolutionizing health care for Canadians. We have a variety of engagement opportunities for you to connect with expert researchers, top talent and support the next generation of biomedical engineering professionals.

UNDERGRADUATE STUDENTS

SCHULICH ENGINEERING CAPSTONE PROJECT

Capstone Design Projects are the culmination of four years of study. Student teams are asked to find solutions to industry challenges or to create their own invention. Many of the projects are sponsored by industry and go from concept to fabrication.


SCHULICH ENGINEERING INTERNSHIP


The internships are designed to fit your business needs. Your company can access funding for internships through a variety of organizations that participate in the Student Work Placement Programs across Canada.

BME SUMMER STUDENTS

BME Calgary partners with different groups across campus for undergraduate students to work on biomedical engineering-related projects with the purpose of fostering collaborations. Funding is available through various mechanisms.


 capstone@ucalgary.ca


 8 months long (Part-time)

 Applications due in June for September start

 [Capstone Projects](#)


 ecc@ucalgary.ca


 4, 8, 12, or 16 months long (Full-time)


 Post anytime for students to start between May to September or January

 [Schulich Engineering Internship](#)

 bme@ucalgary.ca

 8 to 16 weeks from May to August (Full-time)

 Applications due in February for May start

 [BME Summer Studentship](#)

UNDERGRADUATE AND GRADUATE STUDENTS

HEALTH HACKATHONS


The annual Innovation4Health (i4H) Hackathon Competition and Neuro Nexus bring multidisciplinary teams together with healthcare expertise and empowers them with mentorship and rapid prototyping facilities to address challenges in healthcare with technology solutions.


BME INDUSTRY DAYS AND SPEAKER SERIES


A collaboration between BME Calgary and the Life Sciences Innovation Hub, BME Industry Days and Speaker Series brings together students, faculty, and industry partners for a chance to discuss the most pressing topics in biomedical engineering, network, and find ways to collaborate on projects together.


AB BIOMEDICAL ENGINEERING CONFERENCE


The Alberta BME Conference is an annual student-led conference featuring research from across Western Canada with national and international guest speakers and industry participation. It's a great opportunity to see the latest BME innovations and network with faculty, students, and industry.


 info@innovation4health.com
director@neuro-nexus.ca


 6 weeks long

 November every year


 [Innovation4Health Neuro Nexus](#)


 bme@ucalgary.ca


 Half or full day

 September to December and January to April

 [BME Industry Days and Speaker Series](#)

 abbmeconference@ucalgary.ca

 Weekend long (Fri-Sun)

 October every year

 [AB BME Conference](#)

GRADUATE STUDENTS

MSc. and PhD THESIS

The Biomedical Engineering Graduate Program at the University of Calgary offers students a unique opportunity to work with leading researchers and industry experts across campus to advance knowledge and find solutions to improve human animal health and wellness. Matching funding is available through [MITACS](#) and [NSERC Alliance](#) grants to hire graduate students to work on special projects in any of our six research Focus Areas below.

Human Mobility

- Concussion
- Osteoarthritis
- Sport Performance




Advanced Biomedical Imaging

- Brain
- Musculoskeletal
- Cardiovascular



Regenerative Medicine

- Diabetes
- Burns
- Bone and Joint



Precision Biagnostics

- Cancer
- Infections
- Point-of-Care Devices




Health Monitoring and Management

- Wearables
- Healthy Aging
- Health Data




Novel Medical Technologies

- Brain-Machine Interfaces
- NeuroArm
- Lab-on-a-Chip



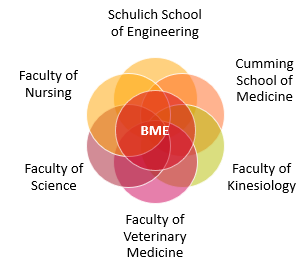
 bme@ucalgary.ca


 Year-round collaborations


 [BME Graduate Studies](#)

RESEARCH COLLABORATIONS

Our research network includes over 300 faculty members from multiple disciplines including engineering, medicine, kinesiology, science, nursing, and veterinary medicine. With collaborative teams focused on *human mobility*, *health monitoring*, *advanced biomedical imaging*, *precision biagnostics*, *regenerative medicine*, and *novel medical technologies*, our researchers are transforming quality of life and continuously improving the health system. They are available for collaborative projects and matching funding (other sources) is available through [MITACS](#) and [NSERC Alliance](#) grants.



 bme@ucalgary.ca


 Year-round collaborations

 [BME Research](#)


DO YOU HAVE YOUR OWN IDEAS?

We would be happy to discuss how we could help you collaborate with our students and faculty. Please contact us to discuss your ideas, and the support available from BME Calgary at bme@ucalgary.ca.

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