



FACULTY OF SCIENCE

EMPLOYER ENGAGEMENT HANDBOOK



UNIVERSITY
OF ALBERTA



TERRITORIAL **ACKNOWLEDGEMENT**

The University of Alberta, its buildings, labs and research stations are primarily located on the territory of Néhiyaw (Cree), Niitsitapi (Blackfoot), Métis, Nakoda (Stoney), Dene, Haudenosaunee (Iroquois) and Anishinaabe (Ojibway/Saulteaux), lands that are now known as part of Treaties 6, 7 and 8 and homeland of the Métis. The University of Alberta respects the sovereignty, lands, histories, languages, knowledge systems and cultures of all First Nations, Métis and Inuit.



Image Credit: Curtis Comeau

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Opportunity Awaits

The Faculty of Science molds the next generation of ground-breaking researchers, technicians and academics by giving our undergraduate and graduate students an unparalleled education.

Our students bring strong technical expertise, curiosity and professional acumen developed through their academic programs. Employers are able to engage with our talented students through internships, innovation challenges, short-term projects and collaborative initiatives.

What We Offer

- Access to motivated STEM students
- Fresh perspectives and new ideas from our students, incorporating the latest academic teachings and technical know-how
- The chance to build an effective talent pipeline and shorten your recruitment timelines
- Increased visibility of your organization on campus

Image Credit: Curtis Comeau



A computing science student participates in an internship with the City of Edmonton.
Image Credit: Laughing Dog Photography

Science Internship Program (SIP)

Long-term paid internships that help you build your talent pipeline

The Science Internship Program provides employers with skilled and motivated talent ready to contribute to their organizations. Students bring strong technical knowledge from their academic courses and labs, with many also having additional research and volunteer experience.

Program Features

- Upper year students, year 3 or 4
- Work terms are 4, 8, 12 or 16 months
- Placements start in January, May or September
- Flexible, year-round recruitment

Benefits

- Evaluate potential candidates before full-time hire
- Add capacity to projects during peak busy periods
- Bring new perspectives to your organization
- Mentor and train over a long-term period

600+

students
active in SIP

375+

student
internships yearly

240+

employer
partners

How it Works

- Discuss your hiring needs with our team
- Create an account on campusBRIDGE, the university-wide career portal, to post positions, review resumes and select top candidates to interview
- Extend offers directly to the students and notify our team
- The SIP team will remain available to support you and the student throughout the placement

Employer Requirements

- Provide students with meaningful opportunities to further develop their skills
- Offer a competitive wage
- Assign a supervisor to provide regular, constructive and supportive feedback
- Participate in a site visit, and evaluation check-ins

These steps ensure students gain meaningful experience while delivering value to employers.

uab.ca/sip

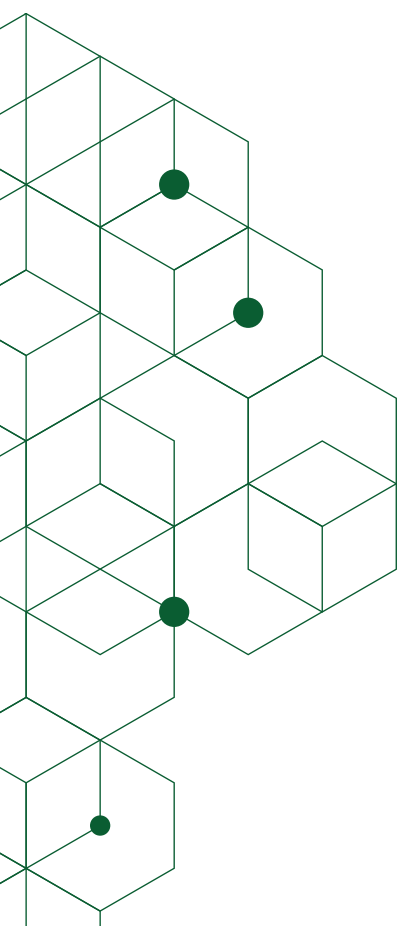


Image Credit: Curtis Comeau

A young man with dark hair and glasses, wearing a patterned shirt and blue gloves, is working in a laboratory. He is looking down at a color calibration chart on a table. In the background, there are shelves with books and equipment, and a window with a view of the outdoors.

A biochemistry student in an internship with the RCMP forensics team.

How Our Students Can Support You

Students from the Faculty of Science, Faculty of Agriculture, Life & Environmental Sciences and Campus Saint-Jean are eligible to participate in the program.

Regardless of area of study, our students have emerging soft skills that will contribute positively to your organization in addition to their specialized technical knowledge:

- Adaptability and flexibility
- Communication
- Initiative
- Problem solving
- Professionalism
- Teamwork and collaboration
- Time management
- Willingness to learn

**Campus Saint-Jean students are able to navigate fluidly between English, minority francophone and predominantly French-speaking work environments.*

Recent Internships

Computing Science Software Development intern with Demonware:

Helping game studios integrate multiplayer features, developing plugins and automation framework, supporting Kubernetes platform, performing root cause analyses and proposing solutions, participating in design and code reviews

Clinical Psychology intern with Millard Health:

Psychometric surveys, biofeedback one-on-one services, mild traumatic brain injury assessments and group relaxation classes

Forensic Analysis Biochemistry intern with the RCMP:

Managing a 25,000 paint data query program. Analyzing automotive samples, characterizing using infrared analysis (diamond cell FT-IR spectroscopy), and training partners in database operation/spectral coding





What Our Employers Say

“The intern met all his deadlines and exceeded our expectations. We are impressed both with the outcomes he delivers and with how he works as part of the team. His ability to adapt and learn is evident, and he consistently demonstrates strong teamwork. Both the pace and quality of his work are excellent.”

Senior Software Engineering Manager - Wind River Systems

“The intern demonstrates strong curiosity and an interest in taking on new challenges. She approaches her work with professionalism and has quickly become a valued addition to the team. She fits in well with the team dynamic, is consistently helpful, and brings a positive, fun energy to her interactions. She is catching on quickly to new concepts and processes and is already adding meaningful value through her contributions.”

Learning and Development Manager - PCL Construction



Image Credit: John Ulan

Draw on our student innovators to help solve your real-world challenges

The Student Innovation Centre is a space for extracurricular competitions, maker projects and student-led ventures at every stage, from design planning to entrepreneurship. Students from different backgrounds collaborate here to build prototypes, explore technologies and develop solutions.

What Students Work On

- Startup ideas and venture development from concept to early-stage execution
- AI-powered solutions for academic, business and real-world challenges
- Prototyping mobile and web digital tools, automation systems and robotics applications
- Cross-disciplinary projects combining tech, business and design
- Portfolio building through competitions, workshops and experiential learning

Employer Opportunities

- Mentor students through workshops, talks and structured guidance
- Partner on programs, hackathons and experiential learning initiatives
- Provide tools, platforms or technical resources to support innovation
- Identify and recruit emerging talent through early engagement

SIC: By the Numbers

300+

students visit
each week

10

avg. student
club events
each month

5

internationally recognized student
clubs with 10+ student founders

500+

cumulative
monthly event
attendees

15+

scalable product
ideas supported
annually





Short-Term Internship Projects

Our short-term internships allow you to engage students in part-time projects while they continue their studies. Students work on clearly defined problem scenarios, delivering research, analysis or prototyping solutions.

Benefits

- Gain insight into student skills and the latest knowledge they're learning
- Receive project-specific support
- Establish good relationships and identify potential candidates for future internships

How to Get Involved

- Provide a clearly defined problem/project
- Offer supervision and mentorship
- Provide feedback on student work

Additional Employer Engagement Opportunities

More ways you can work with the Faculty of Science and our talented students

Speaker Series and Panels

Engage in career panels and volunteer to speak at events

Networking

Participate in informal networking and elevator pitches at our events to provide valuable feedback to students

Challenges and Case Competitions

Sponsor Hackathons, provide challenges or case competitions for students to solve

Recruitment

Participate in recruitment events, provide resume and interview feedback to students and build your talent pipeline

Collaborations

Become a mentor to students and take on an industry advisory role

Offer Site Visits

Host students to tour your facilities and share insights



About the Faculty of Science

The Faculty of Science at the University of Alberta is one of the most comprehensive science faculties in Canada, with top ranked programs that span 12 teaching departments and 36 subject areas.

With expertise in artificial intelligence, biological and earth sciences and many other programs ranked among the best in Canada, we equip students and researchers with the tools to respond to global and societal challenges on the horizon.

Image Credit:
Laughing Dog Photography



Contact Us

By partnering with the Faculty of Science on work-integrated learning opportunities, you gain consistent access to our talented students, advance innovation and contribute to the development of the next generation of scientists.

Contact us to explore partnership opportunities: scemploy@ualberta.ca



Leading with Purpose.



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OF ALBERTA**

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