

UVIC

DESIGN THE FUTURE

ENGINEERING AND COMPUTER
SCIENCE PROGRAMS 2022/23



University
of Victoria



CHOOSE YOUR PROGRAM.

GET REAL-WORLD EXPERIENCE.

FIND YOUR COMMUNITY.

DESIGN THE FUTURE.



Computer Science — Hone your technical and problem-solving skills in one of the world's top-ranked computer science programs.



Software Engineering — Create the future in our renowned software engineering program by developing secure, reliable, scalable solutions to address society's challenges.



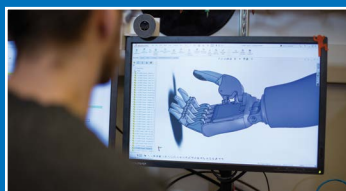
Electrical Engineering — Push the edges of technology in UVic's electrical program. Work on 5G technology, energy generation, automobiles, drones, robots and more.



Computer Engineering — Design and create state-of-the-art products and devices from network servers to embedded micro-controllers to computer networks.



Mechanical Engineering — Explore clean energy systems and renewable technologies. Study automotive, aerospace, marine and robotic systems. Investigate the manufacturing processes we use to produce advanced materials and micro-devices.



Biomedical Engineering — Engineer the future of health care with Western Canada's first accredited biomedical engineering program. Study engineered human tissues, 3D prosthetics and more.



Civil Engineering — Develop the skills to design green buildings, develop smart infrastructures and reduce the impacts of society on the environment in Canada's greenest civil engineering program.

EXPLORE YOUR CAREER WITH CO-OP

At UVic, co-operative education helps make sure your dream job is a good fit and you gain real-world experience while you're still a student.

- The average monthly co-op salary is \$3,075. Co-op terms are four months.
- Four co-ops are mandatory for engineering and optional for computer science students.
- Graduate with 16 months of work experience and earn \$50,000 (on average) over the course of your degree.

Sample co-op schedule

Alternate terms in school with terms in a job related to your program and get real-world experience as you learn. Start planning your co-op adventure at uvic.ca/coopandcareer.

	SEP-DEC	JAN-APR	MAY-AUG
YEAR 1	TERM 1A—STUDY	TERM 1B—STUDY	TERM 1C—STUDY OR WORK 4 MONTHS & EARN ≈ \$12,300
YEAR 2	TERM 2A—STUDY	WORK 4 MONTHS & EARN ≈ \$12,300	TERM 2B—STUDY
YEAR 3	WORK 4 MONTHS & EARN ≈ \$12,300	TERM 3A—STUDY	WORK 4 MONTHS & EARN ≈ \$12,300
YEAR 4	TERM 3B—STUDY	WORK 4 MONTHS & EARN ≈ \$12,300	TERM 4A—STUDY
YEAR 5	WORK 4 MONTHS & EARN ≈ \$12,300	TERM 4B—STUDY	

Each year, UVic's Formula Racing Team designs and builds a Formula-style race car and competes in the largest intercollegiate engineering design competition. The team is currently building an electric vehicle in addition to the internal combustion car pictured here.



MAKE FRIENDS AND BUILD YOUR SKILLS IN CLUBS

Make friends with similar interests by joining a club where you'll develop skills and knowledge to offer future employers.



DESIGN TEAMS

Autonomous Underwater Vehicle Club
Biomedical Engineering Student Club
Concrete Canoe Club
Formula Hybrid Team
Formula Racing Team
Aeronautical Engineering
and Research Organization
GameDev Club
VikeLabs Software Club
Rocketry Club
Submarine Racing Club
Virtual and Augmented Reality Club
Seismic Design Team
Satellite Design Team
Robotics Club



OUTREACH CLUBS & STUDENT SOCIETIES

Leadership Through Diversity
Women in Engineering and
Computer Science
Computer Science Course Union
Engineering Students' Society



PROFESSIONAL ASSOCIATIONS

Canadian Federation of
Engineering Students
Canadian Society for Civil Engineering
Engineers Without Borders
Institute of Electrical and
Electronics Engineers



ESTIMATED FIRST-YEAR FEES - 2022/23

FEES FOR CANADIAN CITIZENS OR PERMANENT RESIDENTS

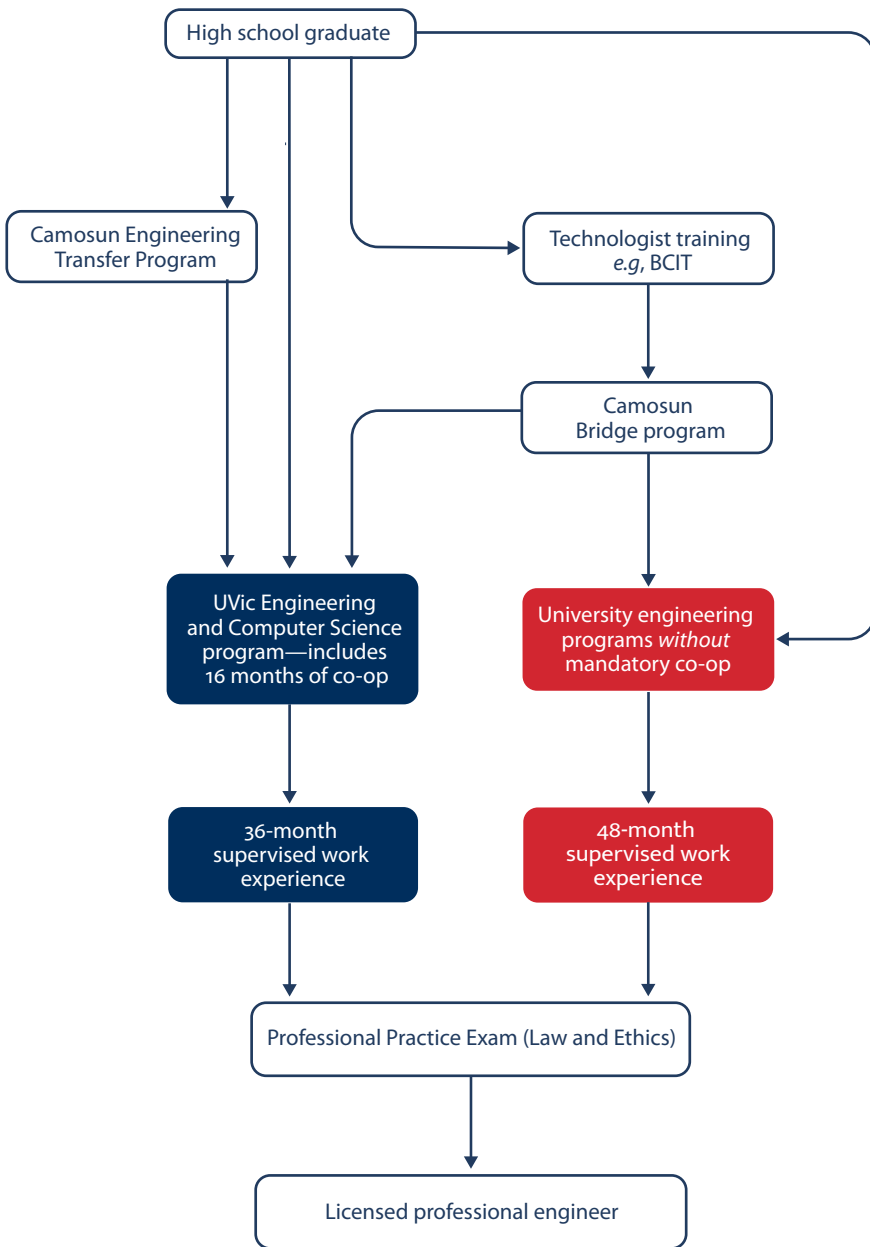
	ONE TERM	TWO TERM
Tuition	\$3,488	\$6,977
Engineering co-op program	46	92
Computer Science co-op program (optional)	93	186
UVic Student Society	73	146
Engineering Student Society	30	60
UVic Athletics (on-campus courses only)	92	184
UVSS Bus Pass (on campus courses only)	81	162
UVSS Extended Health	180	N/A
UVSS Dental Health	180	N/A
Total fees estimate	\$4,170	\$7,621

FEES FOR INTERNATIONAL STUDENTS

	ONE TERM	TWO TERM
Tuition	\$15,756	\$31,513
Engineering co-op program	85	170
Computer Science co-op program (optional)	170	340
UVic Student Society	73	146
Engineering Student Society	30	60
UVic Athletics (on-campus courses only)	92	184
UVSS Bus Pass (on campus courses only)	81	162
Mandatory Temporary Medical Insurance	265	N/A
UVSS Extended Health	180	N/A
UVSS Dental Health	180	N/A
Total fees estimate	\$16,742	\$32,235

This is an estimate only and should be used to give students, parents, and/or sponsors an approximation of the tuition and ancillary fees that will be due. This estimate does not include housing, food, cost of books and supplies or other expenses that students can expect to incur in a term. Estimated fees shall not be binding to the University of Victoria. Tuition and student fees based on 2021–2022 rates. All fees are in Canadian dollars. Learn about tuition, fees and budgeting at uvic.ca/tuition.

PATHS TO BECOMING A LICENSED PROFESSIONAL ENGINEER



There are many paths to becoming a licensed professional engineer. Paths that include a UVic Engineering degree will get you there sooner.

UVic's Engineering degree is accredited by Engineers Canada, which means you're guaranteed it includes all courses necessary for licensure. Non-accredited engineering degrees may require you to take additional courses after you graduate to satisfy licensing requirements.

UVic's mandatory co-op program gives you 12 months of engineering work experience before graduation that counts toward your licensing application. This gets you to professional status sooner than programs in which co-op is optional.



BRIANNA CARRELS
BIOMEDICAL ENGINEERING | 2019

1ST YEAR

Comes to UVic on a golf scholarship and travels the US with the varsity golf team.

2ND YEAR

Completes co-op with the Canadian Centre for Behavioral Neuroscience.

Participates in research that led to her authoring a published paper.

3RD YEAR

Completes co-op at BC Children's Hospital where she worked on a detection device for type 1 diabetes in children.

Received UVic's Co-op Student of the Year Award for her research.

4TH YEAR

Completes co-op at a pharmaceutical company where she made connections with many biotech and medtech professionals.

The Faculty of Engineering awards her final design project-team first place for their presentation and the device they developed.

5TH YEAR

Consults for a medical device company. Travels to the US to meet with physicians and conduct human-factors device testing.

Helped establish GuideStar Medical Devices, which developed a device for epidural procedures.

TODAY

She is now GuideStar's engineering project manager.



SIMON PARK
MECHANICAL ENGINEERING | 2019

1ST YEAR

Transfers to UVic after completing Brandon University's first-year science program.

2ND YEAR

Discovers his passion for engineering while on an eight-month co-op with Mercedes-Benz Fuel Cell in Vancouver.

3RD YEAR

Creates a prototype electric bicycle trailer named "Cabooast" as a cheaper alternative to electric bikes.

Starts working with the UVic Coast Capital Savings Innovation Centre to develop Cabooast's business potential.

4TH YEAR

Turns his Cabooast project into a start-up and expands the Cabooast team to 10 students and engineers.

5TH YEAR

Accepts an internship with Tesla in Palo Alto, California.

Completes his honours thesis on electric ambulance fleet evaluation for BC Emergency Health Services.

TODAY

Founder of Sparkworks, a mechatronics prototyping company, and MeepMeep, a sports analytics start-up. Also a full-time Mechanical Engineer at First Light Technologies.



SCHOLARSHIPS

Going to university is an investment in your future. UVic offers several grades-based scholarships to help offset the costs of your university expenses.

As a domestic or international high school student, you are automatically considered for entrance scholarships when you receive a conditional offer based on your in-progress grades submitted no later than **March 15**. For deadlines, see uvic.ca/entrancescholarships.

All Canadian citizens, permanent residents or international students completing a Canadian high school diploma who meet the minimum admission average of 90% are eligible for entrance scholarships.

Non-Canadian citizens from high schools outside of Canada who have an A average or higher are eligible for entrance scholarships. Additional scholarships are available to

- **Women and Indigenous Engineering** and **Computer Science** students with a minimum admission average of 85%
- **Indigenous students** with a minimum admission average of 85%
- **International Baccalaureate** students with a minimum of 32 points.

If you meet more than one scholarship criteria, scholarships may be combinable!

Scholarship values change each year. Learn how and when to apply for scholarships at uvic.ca/entrancescholarships.

START PLANNING HOW YOU WILL DESIGN THE FUTURE



Meet your Engineering
and Computer Science
Recruitment Officer.



Get your
questions
answered.



Come for
a visit.

250-472-5569 | engcsrecruit@uvic.ca | uvic.ca/ecs-undergrad



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