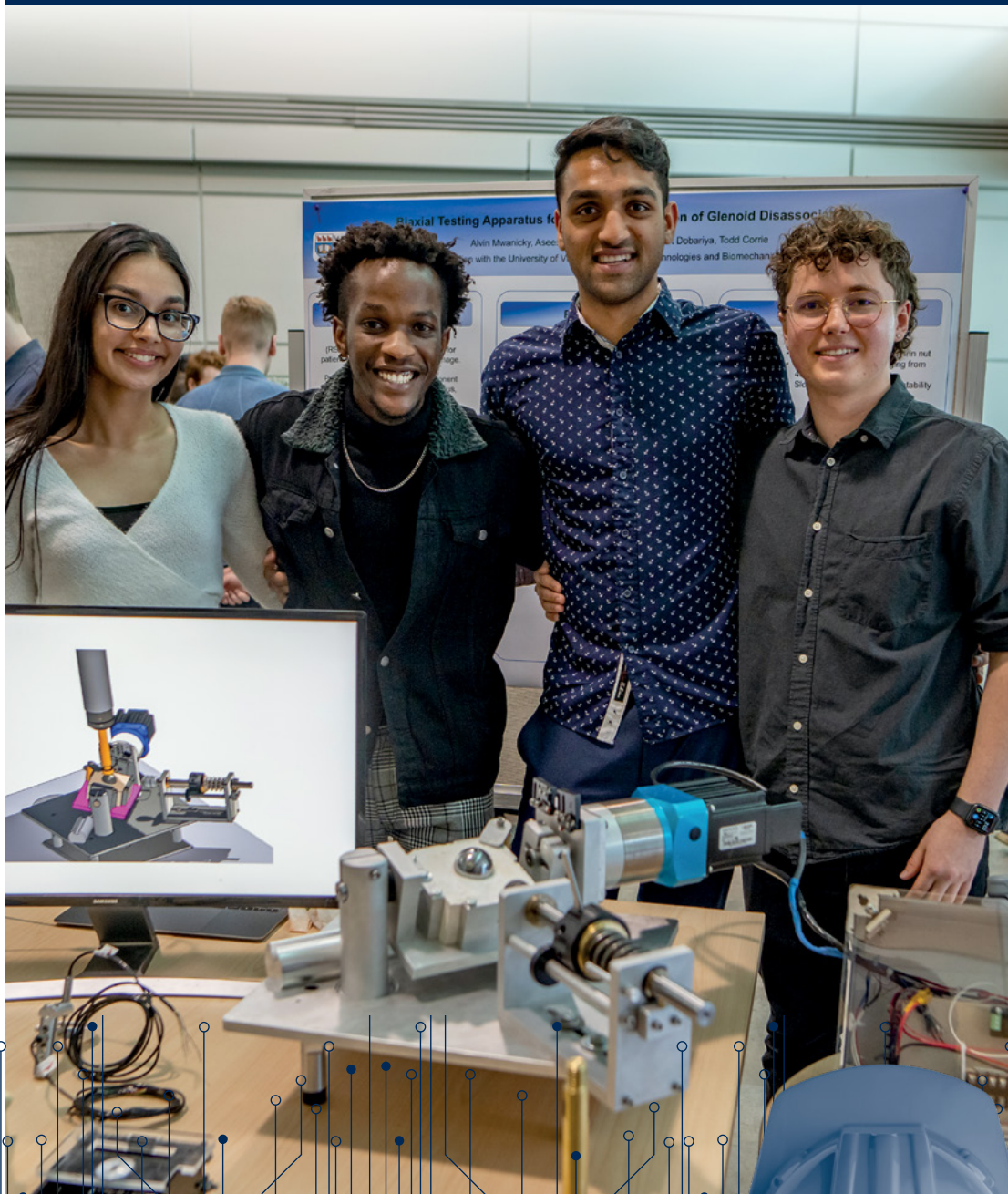


UVMIC

ENGINEERING & COMPUTER SCIENCE STUDENTS 2024-2025



Design the future.

Choose your program

Computer Science programs

Computer Science (BSc): Gain a deeper understanding of computer systems and software. Develop your problem-solving skills and work in an ever-growing field. Graduate with career skills that will apply to almost every industry.

Computer Science and Health Information Science (BSc): Health information science bridges the worlds of healthcare, management and technology. Develop and manage the latest health information technologies. Learn how to build healthcare systems that are usable, secure and efficient.

Computer Science and Mathematics (BSc): Combine mathematics and computer science to learn fundamental skills in both disciplines. Use math as a tool in computing and use computer skills to solve mathematical problems.

Data Science (BSc): Work on analysis, problem-solving and data-management techniques. Sharpen your coding and design skills. Learn how to extract meaningful data and predict trends.

Geography and Computer Science (Geomatics) (BSc or BA): Study GPS, satellite imagery, remotely sensed data, GIS and visualization tools. Learn how to collect, process, analyze and display data and use maps to improve our world.

Music and Computer Science (BFA or BSc): Learn from music faculty and computer scientists and work with professional recording engineers. Use technology to explore new styles and formats of music. This program is ideal if you intend to work with music and technology.

Physics and Computer Science (BSc): Deepen your understanding of the physical world and computer systems. Engage with the physics that underlie all natural sciences. Develop your critical-thinking ability. Graduate with skills that will apply to a wide range of careers.

Psychology and Computer Science (BSc): Discover the relationship between psychology and computer science. Use psychology to design better digital interfaces. Work with artificial intelligence. Explore different ways of explaining human behaviour. Learn how to develop computer systems based on neural models.

Visual Arts and Computer Science (BFA or BSc): If digital media and computer-based creativity are your passions, this program is for you. Learn how you can combine drawing, painting, sculpture and photography with technology. Study extended media and video art. This unique degree will give you skills that you can apply far beyond the artistic community.

Engineering programs

Biomedical Engineering (BEng): Learn how to design technologies to enhance healthcare and medicine. Expand your knowledge of engineering and human biology. Gain a better understanding of medicine and clinical practice.

Civil Engineering (BEng): Learn to use civil engineering to build modern society's buildings and cities. Work in multi-disciplinary teams on sustainability, the environment and civic engagement. Study today's environmental challenges and engineer new solutions for a greener tomorrow.

Computer Engineering (BEng): Computer engineers design systems to integrate computing and software in important systems such as autonomous vehicles and medical devices. Learn how to integrate modern computing intelligence into effective solutions.

Electrical Engineering (BEng): Interested in electrical devices and systems? Learn how to send, store and generate electricity. Specialize in one of ten areas of focus and graduate with vast career opportunities.

Mechanical Engineering (BEng): 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. Work in teams and solve real-world problems.

Software Engineering (BSEng): Software engineers build the world's global-scale software systems. These span intelligent systems, healthcare, critical infrastructure, social media, business solutions and more. Learn to engineer the safe and scalable solutions societies rely on.

Which faculty should you apply to? When do you declare your major?

PROGRAM	APPLY TO	DECLARE YOUR MAJOR
Biomedical Engineering (BEng)	Faculty of Engineering and Computer Science	Declare Biomedical Engineering your major after one year of full-time study
Civil Engineering (BEng)	Faculty of Engineering and Computer Science	Declare Civil Engineering your major after one year of full-time study
Computer Engineering (BEng)	Faculty of Engineering and Computer Science	Declare Computer Engineering your major after one year of full-time study
Computer Science (BSc)	Faculty of Engineering and Computer Science	First-year entry
Computer Science and Health Information Science (BSc)	Faculty of Human and Social Development	First-year entry
Computer Science and Mathematics (BSc)	Faculty of Science	Declare Computer Science and Mathematics after one year of full-time study
Data Science (BSc)	Faculty of Science or the Faculty of Engineering and Computer Science	Declare Data Science your major after one year of full-time study.
Electrical Engineering (BEng)	Faculty of Engineering and Computer Science	Declare Electrical Engineering after one year of full-time study.
Geography and Computer Science (Geomatics) (BSc or BA)	Faculty of Social Sciences	Declare Geography and Computer Science after one year of full-time study.
Mechanical Engineering (BEng)	Faculty of Engineering and Computer Science	Declare Mechanical Engineering after one year of full-time study.
Music and Computer Science (BFA or BSc)	Faculty of Fine Arts	First-year entry
Physics and Computer Science (BSc)	Faculty of Science	Declare Physics and Computer Science after one year of full-time study.
Psychology and Computer Science (BSc)	Faculty of Social Sciences	Declare Psychology and Computer Science after one year of full-time study.
Software Engineering (BSEng)	Faculty of Engineering and Computer Science	Declare Software Engineering after one year of full-time study.
Visual Arts and Computer Science (BFA or BSc)	Faculty of Fine Arts	First-year entry

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. You can even apply to live in the Engineering Community in residence!



DESIGN TEAMS

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




OUTREACH CLUBS & STUDENT SOCIETIES

Leadership Through Diversity
Women in Engineering and Computer Science
VikeLabs software club
Engineering Students' Society



PROFESSIONAL ASSOCIATIONS

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



Breaking ground in 2024! Our \$100 million, six-storey expansion of our Engineering and Computer Science building will provide new instructional and research labs, first-year design studios, and computer labs. It's designed to meet LEED Gold certification for sustainable buildings, and will support learning and research in fields such as environmental sustainability and healthcare technologies. The new High Bay Research and Structures Lab includes a 12-metre-high area for structural testing and large-scale experiments related to geotechnical, materials and building-science research.



Test-drive your career with co-op

Co-op offers a unique approach to help you start building your career while you're still at university. It's designed to work around your academic courses, so you'll complement what you're learning in class with practical workplace experience.

- The average monthly engineering co-op salary is \$3,493. 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 more than \$55,000 (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 ≈ \$13,900
YEAR 2	TERM 2A—STUDY	WORK 4 MONTHS & EARN ≈ \$13,900	TERM 2B—STUDY
YEAR 3	WORK 4 MONTHS & EARN ≈ \$13,900	TERM 3A—STUDY	WORK 4 MONTHS & EARN ≈ \$13,900
YEAR 4	TERM 3B—STUDY	WORK 4 MONTHS & EARN ≈ \$13,900	TERM 4A—STUDY
YEAR 5	WORK 4 MONTHS & EARN ≈ \$13,900	TERM 4B—STUDY	

Figures are based on engineering co-op salaries.



Each year, UVic's Formula Racing Team designs and builds a Formula-style race car and competes in the largest intercollegiate engineering design competition. Photo credit: Armando Tura

Estimated first-year fees

FEES FOR CANADIAN CITIZENS OR PERMANENT RESIDENTS

	TOTAL
Engineering tuition	\$7,504
Computer Science tuition	\$6,822
Engineering co-op program	\$760
Computer Science co-op program (optional)	\$776
UVic Student Society	\$147
Engineering Student Society	\$60
UVic Athletics	\$192
UVSS bus pass	\$162
UVSS Extended Health	\$198
UVSS Dental Health	\$198
Residence fees	\$8,353 – \$13,934
Textbooks and supplies	\$2,000
Total fees estimate	\$18,849 TO \$25,156

FEES FOR INTERNATIONAL STUDENTS

	TOTAL
Engineering tuition	\$35,269
Computer Science tuition	\$32,064
Engineering co-op program	\$1,414
Computer Science co-op program (optional)	\$1,510
UVic Student Society	\$147
Engineering Student Society	\$60
UVic Athletics	\$192
UVSS bus pass	\$162
Mandatory temporary medical insurance	\$265
UVSS Extended Health	\$198
UVSS Dental Health	\$198
Residence fees	\$8,353 – \$13,934
Textbooks and supplies	\$2,000
Total fees estimate	\$45,089 TO \$53,840

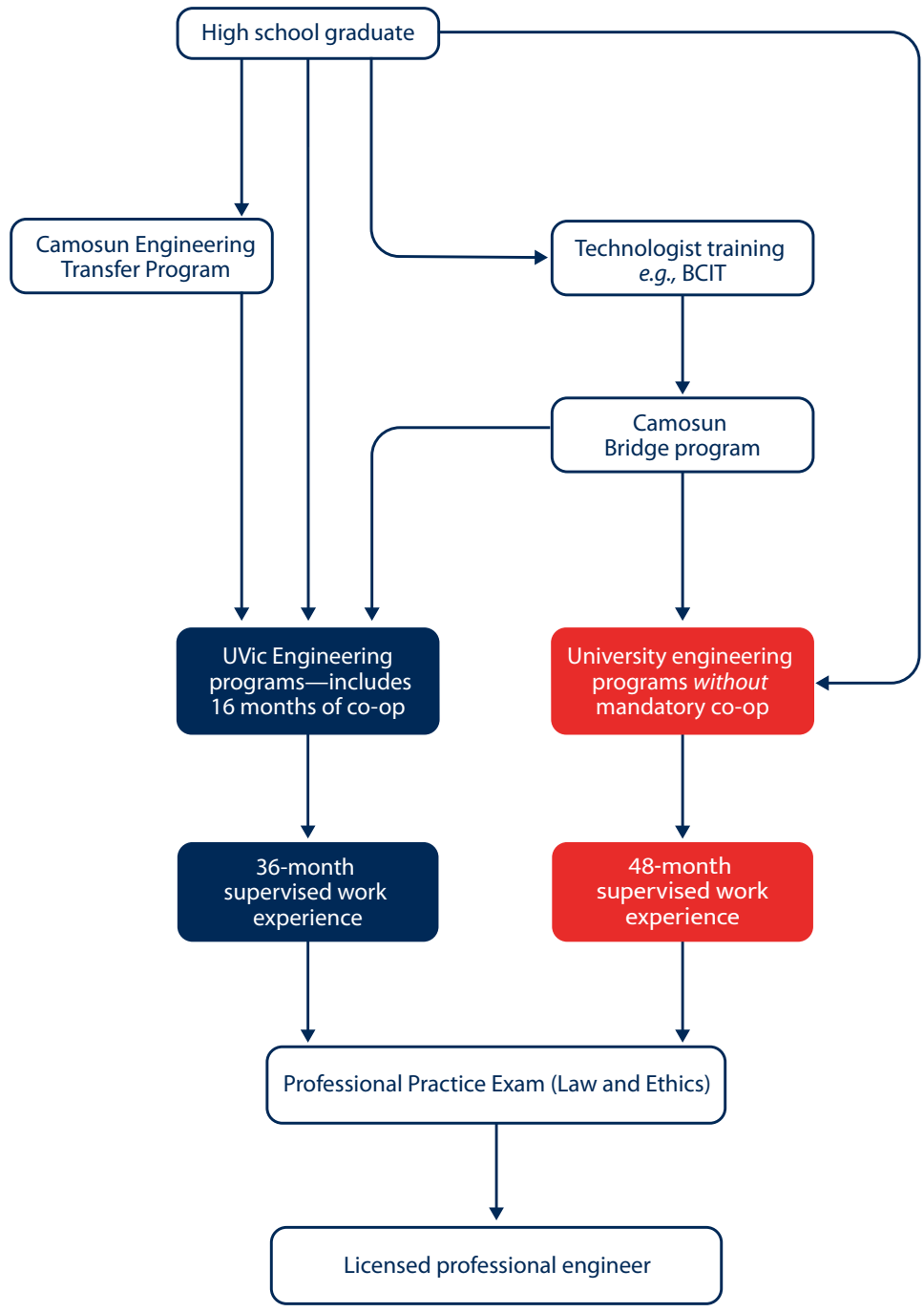
This is an estimate only and should be used to give students, parents and/or sponsors an approximation of the tuition and ancillary fees that will be due. Estimated fees shall not be binding to the University of Victoria. Tuition and student fees based on 2023-2024 rates. Final costs will be determined by the student's actual registration. All figures may be subject to change. 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 engineering 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.





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 may be eligible 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.

Additional scholarships are available to:



Women in the Faculty of Engineering and Computer Science who are Canadian citizens or permanent residents of Canada with a minimum admission average of 85%



Indigenous students in the Faculty Engineering and Computer Science with a minimum admission average of 85%

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.



Come for a visit.



Scan here to choose the programs and opportunities that are right for you. customviewbook.uvic.ca



University of Victoria