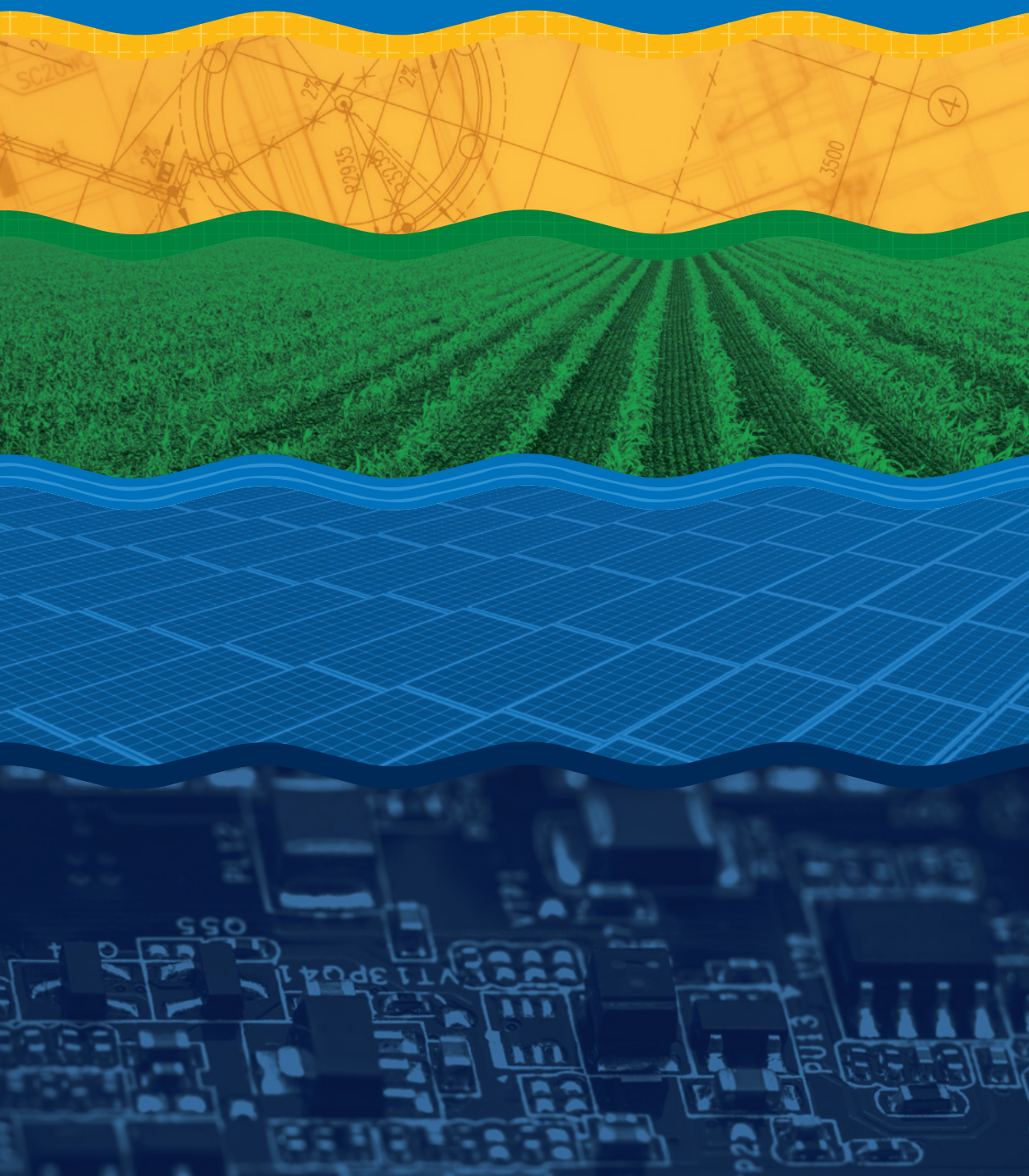
University of Victoria

UVIC

2025-26 ENGINEERING & COMPUTER SCIENCE STUDENTS



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 how electric devices help us to work, play and communicate? Want to replace the hydrocarbon economy? 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): Build the world's global scale software, including intelligent systems, healthcare, critical infrastructure, social media and business solutions. Learn to engineer the safe and scalable solutions societies rely on.

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

All students entering year one of an engineering degree will join a common first year where they learn the fundamentals necessary for all engineering programs.

COMPUTER SCIENCE PROGRAMS	APPLY TO	DECLARE YOUR MAJOR
Computer Science (BSc)	Faculty of Engineering and Computer Science	First-year entry
Computer Science and Health Information Science (BSc)	Faculty of Health	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
Geography and Computer Science (Geomatics) (BSc)	Faculty of Social Sciences	Declare Geography and Computer Science after one year of full-time study
Music and Computer Science (BFA or BSc)	Faculty of Fine Arts	Declare Music and Computer Science your major after one year of full-time study
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
Visual Arts and Computer Science (BFA or BSc)	Faculty of Fine Arts	Declare Visual Arts and Computer Science your major after one year of full-time study

ENGINEERING PROGRAMS	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
Electrical Engineering (BEng)	Faculty of Engineering and Computer Science	Declare Electrical Engineering 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
Software Engineering (BSEng)	Faculty of Engineering and Computer Science	Declare Software Engineering after one year of full-time study

ADMISSION REQUIREMENTS

Admission requirements vary by program, the country you are from and whether you are coming from high school or transferring from another post-secondary institution. Please see **uvic.ca/programs** for details.

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 and Computer Science Students' Society

PROFESSIONAL ASSOCIATIONS

- Association of Computing Machinery
- Canadian Federation of Engineering Students
- Canadian Society for Civil Engineering
- Engineers Without Borders
- Institute of Electrical and Electronics Engineers

NEW! Our $100 million, six-storey expansion of our Engineering and Computer Science building provides new instructional and research labs, first-year design studios, and computer labs. It's designed to meet LEED Gold certification for sustainable buildings, and supports 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 programs and for Computer Science and Health Information Science. Co-op is optional for all other computer science programs.
- 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 and Computer Science tuition	$7,097
Engineering co-op program	$790
Computer Science co-op program (optional)	$776
UVic Student Society	$147
Engineering and Computer Science Students' Society	$60
UVic Athletics	$196
UVSS bus pass	$162
UVSS Extended Health	$198
UVSS Dental Health	$198
Residence fees	$9,120 - $15,298
Textbooks and supplies	$2,000
Total fees estimate	**$19,954 – $26,146**

FEES FOR **INTERNATIONAL STUDENTS**	**TOTAL**
Engineering and Computer Science tuition	$40,206
Engineering co-op program	$1,612
Computer Science co-op program (optional)	$1,510
UVic Student Society	$147
Engineering and Computer Science Students' Society	$60
UVic Athletics	$192
UVSS bus pass	$162
Mandatory temporary medical insurance	$265
UVSS Extended Health	$198
UVSS Dental Health	$198
Residence fees	$9,120 - $15,298
Textbooks and supplies	$2,000
Total fees estimate	**$54,058 – $60,338**

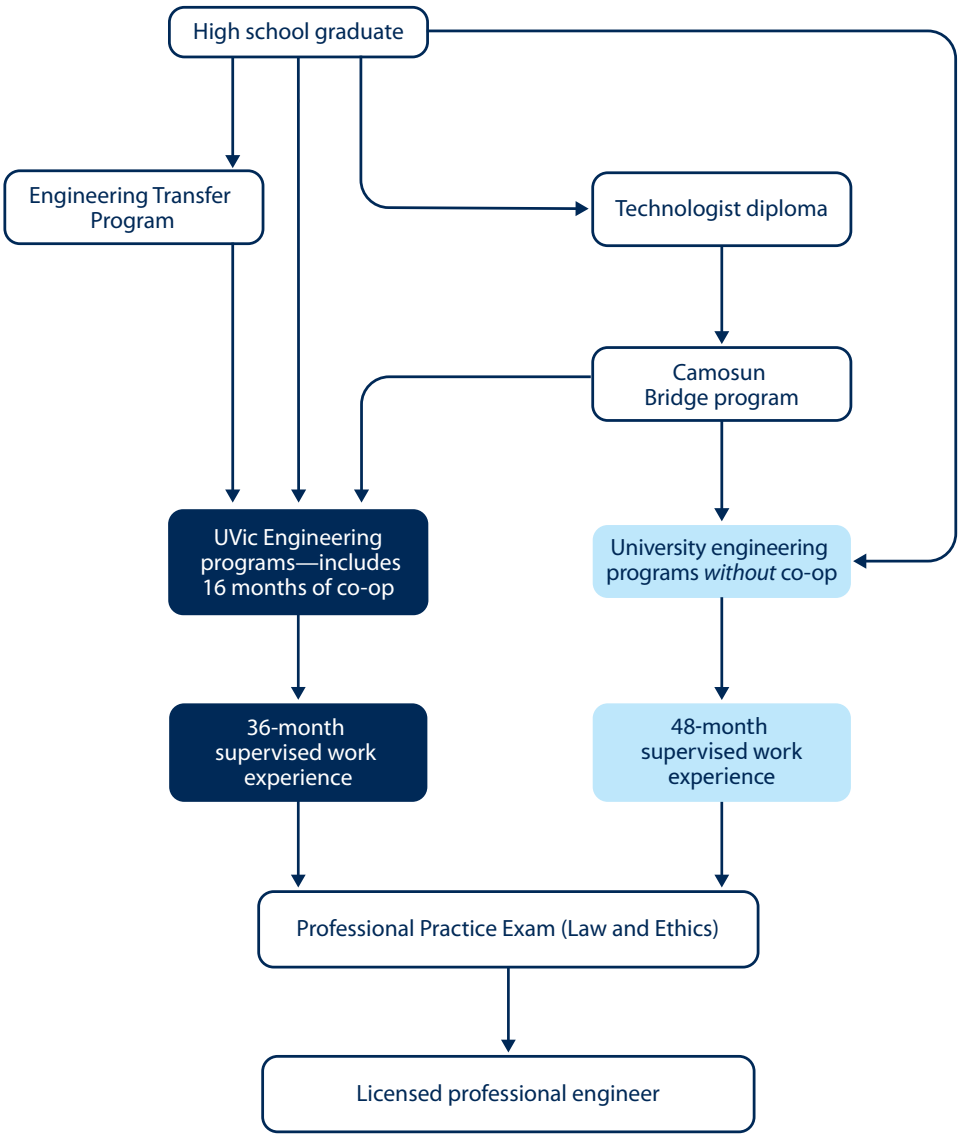
This is an estimate only and should be used to give students, parents and/or sponsors an approximation of the tuition and ancillary fees that will be due. Estimated fees shall not be binding to the University of Victoria. Student fees based on 2024-2025 rates. Final costs will be determined by the student's 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. For deadlines, see **uvic.ca/entrancescholarships**.

Canadian citizens, permanent residents or international students completing a Canadian high school diploma

- Scholarships are available to students who meet a minimum admission average of 90% (32 IB points)
- Special scholarships are available to women and Indigenous students in Engineering and Computer Science (85% or 30 IB points)

International students completing an international high school diploma

- Scholarships are available to students who meet an "A-" admission average (36 IB points)
- Special scholarships are available to international students completing an IB diploma (32 IB 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**.

Scan here to explore the programs and opportunities that are right for you. Create your customized UVic viewbook now!
customviewbook.uvic.ca

Contact your Engineering & Computer Science Recruitment Officer
250-853-3585 | engcsrecruit@uvic.ca | uvic.ca/ecs-undergrad

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