



UNIVERSITY OF VICTORIA  CANADA



Think it. Code it.
Test it. Launch it.

**ENGINEERING &
COMPUTER SCIENCE
PROGRAMS**
2027-2028

Engineers. Coders. Creators. Problem-solvers.

If you see what's missing in the world—and want to build it—you're in the right place.

At UVic, students and professors are designing AI for medical breakthroughs, rethinking cybersecurity and applying human-centred design to real-world challenges.

You won't just study theory—you'll apply it from year one—on campus, in labs and on paid co-op terms with top employers. That's how our students land roles at Google, BC Hydro and many more before they graduate.

WHERE YOUR INNOVATION TAKES SHAPE

Capstone Design Projects

Apply your knowledge to solve real-world problems, working on projects that address medical, computer and industrial challenges.

Engineering Design Projects

Participate in major design activities to tackle complex engineering challenges, fostering hands-on learning and innovation.

Passive Building Design Challenge

Collaborate with industry leaders to design and prototype structures that exemplify sustainable and energy-efficient building practices.

Honours Projects

Work closely with faculty members on directed studies courses to delve deep into specialized topics and contribute original research.

ON THE COVER

Our new \$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.

What will you build?

From your first year onward, you'll design, prototype and test your ideas—working alongside team members, professors, mentors and industry partners.

WHAT HAVE UVIC STUDENTS BEEN BUILDING?

- A 20-foot electric hydro-foiling catamaran
- A stabilizing spoon that helps people with Parkinson's eat without spilling
- Space robotics for NASA
- A bed that prevents dogs from getting seasick aboard boats
- A custom digital audio workstation for prototyping music
- An uncrewed surface vehicle for microplastic collection
- Forest-fire detection sensors
- An underwater rescue device for finding divers in trouble



Choose your program

ENGINEERING PROGRAMS

Biomedical Engineering (BEng)

Discover 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

Learn how software and hardware come together to power the devices, systems and networks we rely on every day. You'll design circuits and microprocessors, build embedded systems, create secure software, and explore intelligent machines and connected technologies.

Electrical Engineering (BEng)

Explore how electrical devices power the way we work, play and communicate. Learn to generate, store and transmit electricity, and develop the tools to help build a cleaner energy future. The program offers ten areas of specialization so you'll graduate with a strong foundation and wide-ranging career options.

LaunchPad Program

The LaunchPad Program is a pathway to UVic Engineering and Computer Science for students who do not yet meet the math, science or competitive admission requirements for direct entry. You'll upgrade missing requirements while taking courses that count toward your degree, with dedicated advising, course-planning support and access to reserved study spaces. After completing LaunchPad, you can move into your preferred engineering or computer science program without reapplying to UVic.

Details at uvic.ca/launchpad

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.

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.

What courses
could you take?



Scan to see sample courses
for each Engineering and
Computer Science program

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.

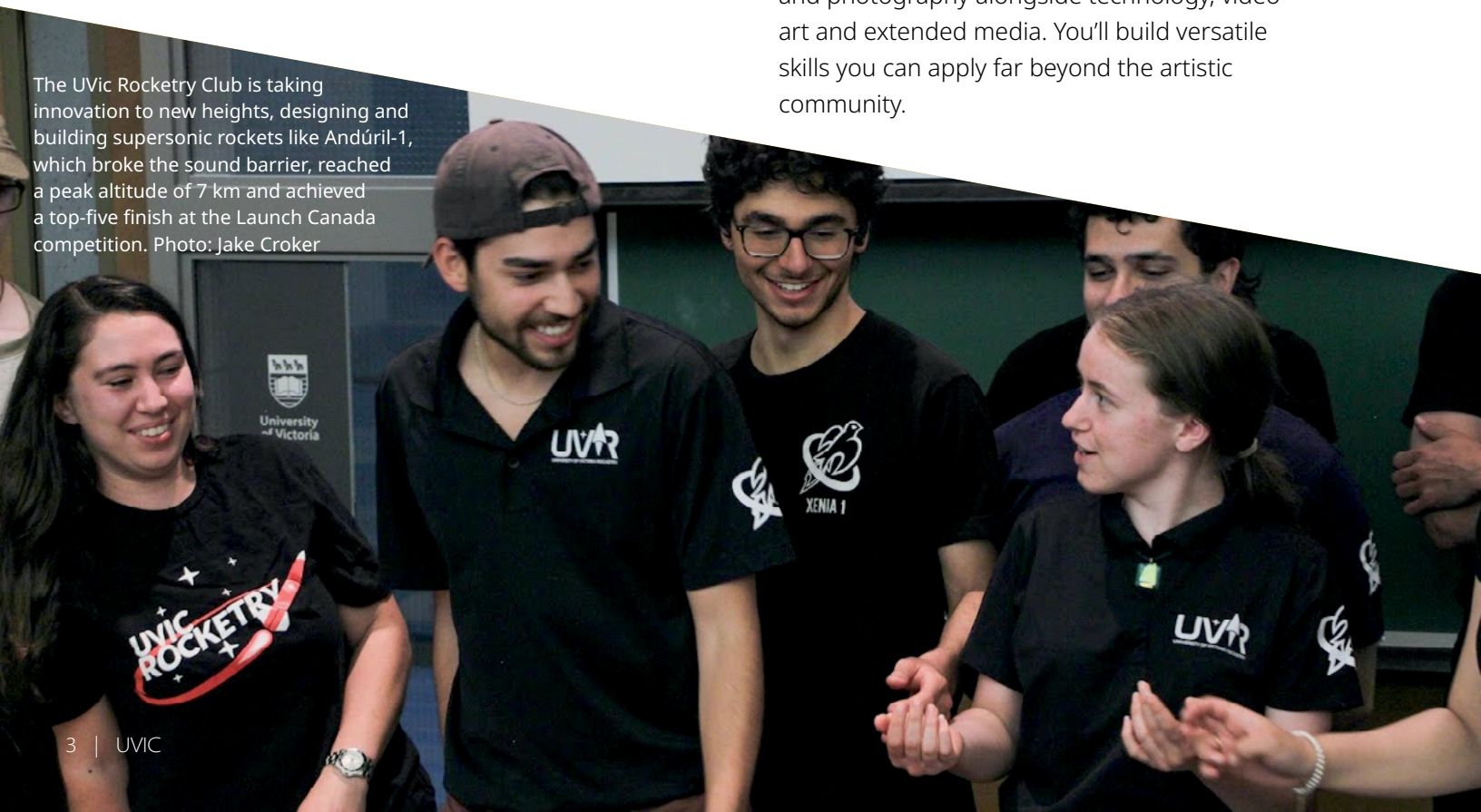
Psychology and Computer Science (BSc)

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)

Combine digital media with computer-based creativity. Explore drawing, painting, sculpture and photography alongside technology, video art and extended media. You'll build versatile skills you can apply far beyond the artistic community.

The UVic Rocketry Club is taking innovation to new heights, designing and building supersonic rockets like Andúril-1, which broke the sound barrier, reached a peak altitude of 7 km and achieved a top-five finish at the Launch Canada competition. Photo: Jake Croker



Sarah Stormont

VANCOUVER, BC

Mechanical Engineering

For her first day in the field, Sarah Stormont was told to meet outside at 6 a.m. because she was flying into camp. Soon, the UVic mechanical engineering student was in a helicopter over the Yukon mountains, heading to a remote work site hundreds of kilometres from civilization.

Through co-op, Sarah discovered that engineering could be more than office work. She repaired plumbing in a remote drill camp, worked around combat systems aboard ships with the Royal Canadian Navy and learned how classroom concepts—like water pumps and thermodynamics—come to life in the real world. Those experiences helped her build confidence, solve problems and enhance her technical and analytical skills, and see the kind of future she wants for herself in engineering.

At UVic, Sarah has balanced engineering with varsity rowing, winning two national championships with the Vikes Women's Rowing team while earning honour-roll academic standing.

Photo: Sarah at a helicopter drop-off spot before beginning her daily soil-sampling line for geological consulting firm Archer Cathro.



Open doors and earn with UVic co-op

UVic has one of Canada’s largest co-op programs. Automatic enrolment. No waitlist. You get straight to what matters: relevant work experience.

TEST DRIVE YOUR CAREER

Co-op helps you start building your career while you’re still at university. It works 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 \$4,205. Co-op terms are four months long.
- Four co-op terms are integrated in engineering programs and in the combined program 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 around \$67,280 (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.

YEAR	SEPT-DEC	JAN-APR	MAY-AUG
1	STUDY	STUDY	FREE SUMMER OR CO-OP
2	STUDY	STUDY	WORK 4 MONTHS EARN ≈ \$16,820
3	STUDY	WORK 4 MONTHS EARN ≈ \$16,820	STUDY
4	WORK 4 MONTHS EARN ≈ \$16,820	STUDY	WORK 4 MONTHS EARN ≈ \$16,820
5	STUDY/GRADUATE		

Figures are based on engineering co-op salaries.

A SAMPLE OF UVIC ENGINEERING AND COMPUTER SCIENCE CO-OP EMPLOYERS

AbeBooks (Amazon)
Airbus
ATCO
Babcock
Ballard Power Systems
BC Cancer Agency
BC Hydro
BC Government
BC Public Service
Canadian Space Agency
Codename Entertainment
D-Wave Systems
De Havilland Canada
Dometic
Electronic Arts Canada (EA)
IBM
Kardium
Microsoft
Motorola
National Defence and the Canadian Armed Forces
Nokia
Ocean Networks Canada
PCL Constructors
Rivian
Schneider Electric
Seaspan
Starfish Medical
TransLink
Workday
and many more!

Learn about co-op options in your program at uvic.ca/coop-programs.

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)	Computer Science	Declare Computer Science your major after one year of full-time study
Computer Science and Health Information Science (BSc)	Computer Science and Health Information Science	Already declared
Computer Science and Mathematics (BSc)	Mathematics	Declare Computer Science and Mathematics your major after one year of full-time study
Data Science (BSc)	Computer Science	Declare Data Science your major after one year of full-time study
Geography and Computer Science (Geomatics) (BSc)	Geography	Declare Geography and Computer Science your major after one year of full-time study
Music and Computer Science (BFA or BSc)	Music and Computer Science	Already declared
Physics and Computer Science (BSc)	Physics	Declare Physics and Computer Science your major after one year of full-time study
Psychology and Computer Science (BSc)	Psychology	Declare Psychology and Computer Science your major after one year of full-time study
Visual Arts and Computer Science (BFA or BSc)	Visual Arts and Computer Science	Already declared
ENGINEERING PROGRAMS	APPLY TO	DECLARE YOUR MAJOR
Biomedical Engineering (BEng)	Engineering	Declare Biomedical Engineering your major after one year of full-time study
Civil Engineering (BEng)	Engineering	Declare Civil Engineering your major after one year of full-time study
Computer Engineering (BEng)	Engineering	Declare Computer Engineering your major after one year of full-time study
Electrical Engineering (BEng)	Engineering	Declare Electrical Engineering your major after one year of full-time study
LaunchPad Program	Engineering	Declare your major after completing one year of full-time study
Mechanical Engineering (BEng)	Engineering	Declare Mechanical Engineering your major after one year of full-time study
Software Engineering (BSEng)	Engineering	Declare Software Engineering your major 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.

Apply now! uvic.ca/apply

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

- Aeronautical Engineering and Research Organization
- Autonomous Underwater Vehicle Club
- Aviation Club
- Bike Design and Manufacturing Club
- Biomedical Engineering Design Team
- Concrete Canoe Club
- Environmental Engineering Club
- Formula Hybrid Team
- Formula Racing Team
- GameDev Club
- Mining Technologies Club
- Robotics Club
- Rocketry Club
- Satellite Design Team
- Seismic Design Team
- Submarine Racing Club
- Renewable Energy Club
- Virtual and Augmented Reality Club

OUTREACH CLUBS & STUDENT SOCIETIES

- Advancing Indigenous Science and Engineering Society
- Canadian Geotechnical Society
- Engineering and Computer Science Students' Society
- Leadership Through Diversity
- VikeLabs (software club)
- Women in Engineering and Computer Science
- Women in Science and Technology

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

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: Armando Tura



Estimated first-year fees

SAMPLE FIRST-YEAR FEES FOR CANADIAN CITIZENS OR PERMANENT RESIDENTS*

FEE TYPE	DOLLAR AMOUNT
Tuition for Engineering programs	\$7,704
Tuition for Computer Science programs	\$6,683
Student fees (health, dental, bus pass, athletics, etc.)	\$918
Residence and meal plan	\$17,006
TOTAL	\$24,607 – \$25,868

SAMPLE FIRST-YEAR FEES FOR INTERNATIONAL STUDENTS*

FEE TYPE	DOLLAR AMOUNT
Tuition for Engineering programs	\$47,225
Tuition for Computer Science programs	\$40,841
Student fees (health, dental, bus pass, athletics, etc.)	\$1,080
Residence and meal plan	\$17,006
TOTAL	\$58,927 – \$65,311

*Tuition calculated on eight months of study (five courses per term except for Engineering). Tuition fees are based on May 2026–January 2027 rates. Residence and student fees are based on September 2026 – April 2027 rates. If you hold Canadian citizenship or are a permanent resident of Canada, you will pay Canadian tuition regardless of where you completed high school. Tuition figures are estimates. Final costs will be determined by your actual registration. Some programs have different tuition fees. Please see the tuition and fees schedule at uvic.ca/whatdoesitcost for details. These are only basic budgeting items and do not include additional funds for travel, recreation, clothing and pocket money. All figures may be subject to change. All figures in Canadian dollars.

Scholarships

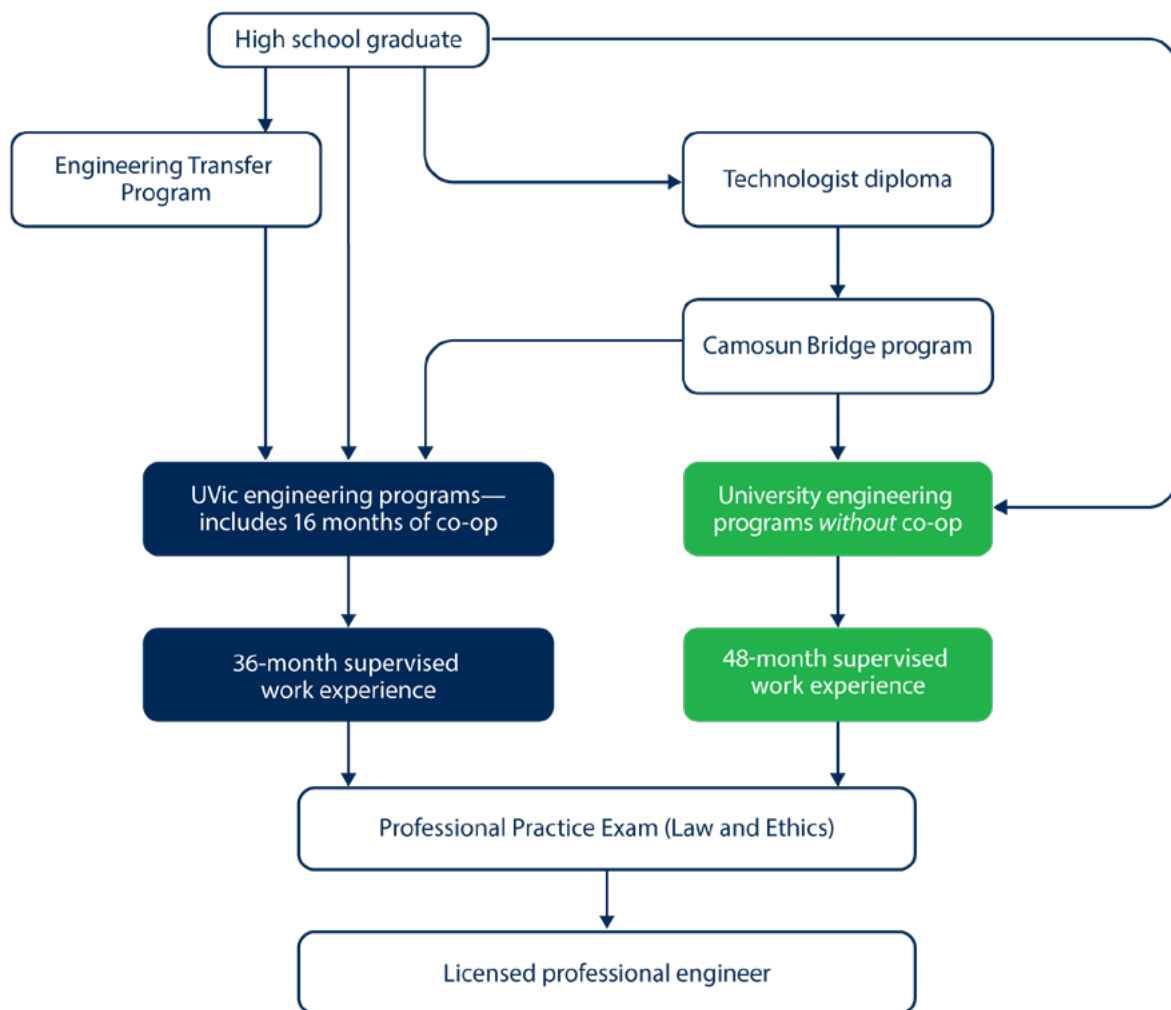
UVic offers a range of entrance scholarships for domestic and international students, including special awards for women and Indigenous students in Engineering and Computer Science. For eligibility details and application deadlines, visit uvic.ca/entrancescholarships.

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 16 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.



Application deadline:

January 31, 2027

Contact your Engineering & Computer Science Recruitment Officer

Nubia De La Torre

250-853-3585

nubiadelatorre@uvic.ca

Sign up for our mailing list

Receive timely and tailored updates about everything you want to know about the university exactly when you need it.



See UVic for yourself

Take a campus tour, explore our spaces and get a feel for student life at UVic.

Scan to book a tour or find an upcoming event.



EXPLORE UVIC

All of UVic. All in one day.

Saturday, November 28, 2026

See what the UVic experience is like through lectures, student panels, tours, information fairs and more. High school students, transfer students and families are welcome!

uvic.ca/explore

UNIVERSITY OF VICTORIA, CANADA 

If there are any discrepancies between this publication and the University of Victoria Undergraduate Admissions website, the website will take precedence.



University
of Victoria