

Program Director of Biomedical Engineering, and Professor/Associate Professor of Biomedical Engineering

The Faculty of Engineering is inviting applications from qualified mid-career academics for a biomedical engineering research stream Faculty position at the rank of Associate Professor or Full Professor. In addition to regular academic responsibilities, the successful candidate will also assume the role of Program Director for the Biomedical Engineering undergraduate program for a three-year renewable term.

This accredited BEng degree program is shared between the Department of Mechanical Engineering (MECH) and the Department of Electrical & Computer Engineering (ECE). This tenured position will reside within the Department of Mechanical Engineering.

The position is open to researchers in any field of biomedical engineering or bioengineering. Eligible candidates must:

- hold a PhD in biomedical, mechanical, electrical engineering or a similar field;
- be registered as a Professional Engineer, or be eligible for and committed to registration;
- have demonstrated experience collaborating with industry;
- be committed to teaching at the undergraduate and graduate levels, and actively participating in the academic operations of the Department;
- have excellent verbal and written communication skills; and
- have a track record of: leading academic teams, research experience, securing research funding, and creating inclusive learning environments that encourage a diversity of perspectives and insights.

In collaboration with the Dean and Associate Dean of Undergraduate Programs of the Faculty of Engineering and Computer Science, the Chair of Mechanical Engineering and the Chair of Electrical and Computer Engineering, the Program Director will: 1) provide inspiring academic leadership for the educational mission of the Biomedical Engineering Program; 2) ensure the curriculum of the Biomedical Engineering Program meets the program's goals, strategic plan and accreditation needs; 3) enable and develop synergies between the biomedical engineering curriculum and research programs; 4) provide vision and strategic directions for the program; 5) manage and coordinate the program's human and fiscal resources; 6) represent the program and its students within the University of Victoria, as well as to provincial and federal agencies, key industry groups, partners and collaborators. **The expected start date for this position is January 1, 2026.**

The successful candidate will join a decorated team of Faculty in the Departments of Mechanical Engineering and Electrical and Computer Engineering that advance innovation in tissue engineering, biomechanics, biosensing, micro- and nano-technologies, materials for biomedical devices, assistive technologies, and protective and surgical devices. Biomedical engineering is an important component of the Health research and teaching ecosystem at UVic. Biomedical engineering faculty collaborate with

researchers and educators throughout UVic's new Faculty of Health and support clinical and broader healthcare breakthroughs using transformative technology. Biomedical and bio engineering research at UVic has been repeatedly recognized by provincial, national and international organizations and societies. Our faculty are also locally engaged - they champion and nurture cross-sector partnerships with a rapidly growing bio-tech sector in British Columbia, including clinicians, surgeons and other health practitioners. In 2026 a new UVic Engineering and Computer Science building will expand our facilities for biomedical teaching and research activities. This includes 370 m² of additional Bio-Safety Level 2 labs, teaching labs, and grad student office and collaborative spaces

We recognize that the biomedical engineering discipline is evolving rapidly; we seek candidates who are notably contributing in any part of this discipline, and who are committed to translating their experiences and insights into the continual improvement of our students, faculty and our programs.

Our Biomedical BEng Program was established in 2012 and was the first of its kind in Western Canada. It is currently accredited by the Canadian Engineering Accreditation Board. The program currently has approximately 125 students enrolled at the undergraduate level. The program has a mandatory co-op experience and attracts highly motivated students. Many of our students are actively engaged in research led by the program's faculty through volunteer, co-op and in-course project opportunities, which leads to a research engaged learning environment. Our program has achieved gender balance and we are committed to increasing diversity and inclusion in our program and the Faculty as a whole. The Program Director is directly supported by a dedicated Biomedical Engineering Program Coordinator, the Faculty's Accreditation Officer and the Faculty's academic advising team. For more information about the program, please visit <https://www.uvic.ca/engineering/biomedical/index.php>

The Department of Mechanical Engineering at the University of Victoria offers Bachelors, Masters, and Ph.D. degree programs. We have 28 faculty members, over 550 undergraduate students, and over 130 graduate students. Industrial collaboration enriches our teaching and research activities, and our expertise in Biomedical Systems, Clean Energy Systems, Aerospace, Advanced Vehicles, Mechatronics and Robotics is demonstrated in vibrant undergraduate and graduate curricula that expose our students to cutting-edge engineering tools, technologies and systems. With an excellent collegial atmosphere and strong collaborative spirit, the Department empowers faculty and staff who innovate modes of course delivery, champion project based and experiential learning and enrich the student learning experience across all years of our degree programs. For our faculty, teaching and mentorship extend beyond the classroom as our students participate in various team-based extra-curricular learning activities culminating in international competitions. Our faculty contingent includes winners of institutional, provincial and national awards for teaching excellence. Information on the Department can be found on the web at <http://www.uvic.ca/engineering/mechanical/>.

The candidate's qualifications, experience, overall market demand and rank will determine a candidate's final salary offer. Industry experience is considered an asset. The salary for this position includes a competitive salary range of \$138,000 - \$170,000 at the Associate Professor rank or \$168,000 - \$207,000 at the Professor rank. UVic is committed to offering an equitable and competitive salary, inclusive of a generous benefits package, eligible leaves and pension plan.

The University of Victoria community acknowledges with respect the Lkwungen-speaking peoples on whose traditional territory the University stands, and the Songhees, Esquimalt and WSÁNEĆ peoples whose historical relationships with the land continue to this day. University of Victoria (<http://www.uvic.ca/>) is situated in the City of Victoria, the capital of British Columbia, at the southeast

tip of Vancouver Island. Founded in 1963, the University has developed into one of Canada's leading universities with a reputation for excellence in research and teaching.

All qualified candidates are encouraged to apply; if you are neither a Canadian citizen or permanent resident, please indicate if you are authorized to work in Canada, and be prepared to provide a copy of your permit authorizing same.

To be considered, please submit your application package via email to mech.asst.chair@uvic.ca, with the subject line "MECH Biomedical Faculty Position" **by end of day, 7 April 2025**.

1. a cover letter providing an overview of the candidate's qualifications;
2. a detailed curriculum vitae;
3. a max 2-page description of the candidate's proposed research program;
4. a max 2-page description of the candidate's teaching experience and philosophy;
5. a max 2-page statement on leadership philosophy and learnings from administrative experiences
6. contact information for four referees.

UVic is committed to upholding the values of equity, diversity, and inclusion in our living, learning and work environments. In pursuit of our values, we seek members who will work respectfully and constructively with differences and across levels of power. **In preparing the above statements, applicants are asked to refer to the UVic Equity Action Plan, particularly our institution's 5 universal goals, and to elaborate on how our institutional priorities can be reflected in their research, teaching and administrative approaches.**

The University acknowledges the potential impact that career interruptions can have on a candidate's record of research achievement. We encourage applicants to explain in their application the impact that career interruptions have had on their record.

Applications should be addressed to:

Dr. Brad Buckham Professor & Chair,
Department of Mechanical Engineering
University of Victoria
PO Box 1700 STN CSC
Victoria, BC, Canada V8W 2Y2

Please note that reference and background checks, including credential and degree verification, may be undertaken as part of this recruitment process.

Faculty and Librarians at the University of Victoria are governed by the provisions of the Collective Agreement. Members are represented by the University of Victoria Faculty Association (www.uvicfa.ca).

UVic is committed to upholding the values of equity, diversity, inclusion and human rights in our living, learning and work environments. In pursuit of our values, we seek members who are eager to actively participate in that shared responsibility. We actively encourage applications from members of historically and systemically marginalized groups.

Read our full equity statement.

Persons with disabilities who anticipate needing accommodation for any part of the application and hiring process may contact Faculty Relations and Academic Administration in the Office of the VP Academic and Provost at FRrecruit@uvic.ca. Any personal information provided will be maintained in confidence.