



**STEPHEN J.R. SMITH FACULTY OF ENGINEERING AND APPLIED SCIENCE AT QUEEN'S  
UNIVERSITY**

**Term Adjunct Position  
Academic Year 2026-2027**

*Queen's University is situated on traditional Anishinaabe and Haudenosaunee Territory.*

**Posting Date:** June 1, 2026

**Closing Date:** June 15, 2026

The Department of Mechanical and Materials Engineering at Queen's University invites applications from suitably qualified candidates interested in teaching the following second year undergraduate course in the 2026/27 session.

**MECH 310 Digital Systems for Mechatronics  
September 1, 2026 - December 31, 2026  
Number of Positions - 1**

**Qualifications:**

Minimum of M.Sc. in Engineering or related field. Previous educational background and/or experience must be suited to teaching the course described below. Candidates must have excellent communication and presentation skills as proven with prior experience, as well as being capable of working as a member of a teaching team. Previous teaching experience at the University level, specifically large lecture engineering courses, considered an asset. Registration as a Professional Engineer, or eligibility to acquire registration in Canada, would be considered an asset.

**Course Description:**

**Units: K4.5**

Microcontroller based operation of programmable digital sensors, servo motors, stepper motors, and activation of pneumatic and hydraulic drivers. PLC control of sequential logic operations in mechanical systems. Introduction to frequency response of systems with FFT application for machine health monitoring. Industrial communication standards for local and internet-based information transfer; Internet of Things (IOT) concepts. Off grid systems, photovoltaics, and inverters. Lab activities will focus on design, construction, and testing of microcontroller based mechatronic systems for practical applications, building on skills developed in [MECH 217](#) and [MECH 210](#). K4.5(Lec: Yes, Lab: Yes, Tut: Yes)

**Requirements: Prerequisites: [MECH 210](#) Corequisites: Exclusions:**

**CEAB Units:**

Mathematics 0, Natural Sciences 0, Complementary Studies 0, Eng Science 40, Eng Design 14  
Learning Outcomes can be found in the [Academic Calendar](#)

**Course Details:**

This course involves synchronous in-person delivery of two 1-hour lectures and one 2-hour tutorial per week for the 12 weeks of the term, plus assessments including the final exam. There are also five 2-hour labs over the course of the semester. The successful applicant will have 100% percent responsibility for this course. Graduate teaching assistants will be assigned to assist with tutorials and marking.

**Expected Enrolment (subject to change):** 300 students.

The stipend for this position will be between \$11,334 and \$13,551. Actual salary will be commensurate with years of teaching experience and course weight, as per the Queen's-QUFA Collective Agreement.

This posting is to fill an existing vacancy within the University.

As part of the application process at Queen's University, our recruitment system uses Artificial Intelligence (AI), as defined under the Ontario Employment Standards Act, to ask job-related questions and confirm eligibility for hire. All final hiring decisions are made using non-AI related processes.

The above course will be taught on campus. Fall term classes begin September 8, 2026 and end December 8, 2026. The Fall term examination period is December 10 – 23, 2026.

Prior to May 1, 2022, the University required all students, faculty, staff, and visitors (including contractors) to declare their COVID-19 vaccination status and provide proof that they were fully vaccinated or had an approved accommodation to engage in in-person University activities. These requirements were suspended effective May 1, 2022, but the University may reinstate them at any point.

The University invites applications from all qualified individuals. Queen's is strongly committed to employment equity, diversity and inclusion in the workplace and encourages applications from Black, racialized/visible minority and Indigenous people, women, persons with disabilities, and 2SLGBTQ+ persons.

Academic staff at Queen's University are governed by a [Collective Agreement](#) between the University and the [Queen's University Faculty Association \(QUFA\)](#).

The University will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant's accessibility needs. If you require accommodation during the interview process, please contact us at [mmeadmin@queenu.ca](mailto:mmeadmin@queenu.ca).

In accordance with Canadian immigration requirements, Canadian citizens and permanent residents of Canada will be given priority, including any qualified individuals who have a valid legal work status in Canada. Please indicate in your application if you have a valid legal work status in Canada. Applications that do not include this information will be deemed incomplete. Applications from all qualified candidates will be considered in the applicant pool.

Applications should include a complete and current curriculum vitae, a statement of teaching experience, the names and contact details of two referees who may be contacted, and any other relevant materials the candidate wishes to submit for consideration. Applicants are encouraged to apply and upload all documents in their application packages electronically as PDFs on the following website: <https://apply.smithengineering.queensu.ca/124006>. Applications should arrive no later than June 15, 2026 at 11:59pm.