



**DEPARTMENT ELECTRICAL & COMPUTER ENGINEERING
SMITH ENGINEERING**

**Teaching Fellow Position
Academic Year 2024-2025**

Posting Date: September 5, 2024

Closing Date: October 7, 2024

The Department of Electrical and Computer Engineering in the Faculty of Engineering and Applied Science at Queen's University requests applications from suitably qualified candidates interested in teaching the following undergraduate course in the 2024-2025 session.

**ELEC 390 Principles of Design and Development
Winter Term Course: January 1, 2025 – April 30, 2025**

Qualifications:

Minimum of a M.A.Sc. Degree in Engineering or a related field, or a B.A.Sc. Degree in Engineering with extensive practical experience in engineering communications. Registered as a Professional Engineer (or an Engineer in Training) in the Province of Ontario. Previous teaching experience at the University level will be preferred. Candidates should have excellent communication and presentation skills. Preference will be given to candidates who are registered as professional engineers in the province of Ontario.

Course Syllabus can be found at:

<https://smithengineering.queensu.ca/ece/undergraduate/courses/elec-390.html>

Course Description:

ELEC 390 Principles of Design and Development | Units: 3.50

The goal of this course is to prepare students for definition, design, management, and development of engineering projects and products. Students will learn about problem definition and impact analysis from an economic standpoint as well as other perspectives. Different design principles, management techniques, and development methodologies will be described. Culture and communication in teams will be discussed, followed by important concepts in ethics and intellectual property. Specific software and tools that are available for facilitating design/development activity will be introduced and utilized throughout the term. Students will apply concepts and explore issues through projects and laboratory activity.

Anticipated course enrolment: 238

Offering Term: W

Offering Faculty: Smith Engineering

Requirements: PREREQUISITE(C): Successful completion of Fall term 3rd year studies in either the Electrical Engineering program, or the Computer Engineering program.



Teaching requirement:

The above advertised course will be taught on campus. Winter term classes begin on January 6, 2025.

Queen's University is committed to employment equity and diversity in the workplace, and it 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. All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority. Teaching Fellows at Queen's University are governed by a collective agreement between Public Service Alliance of Canada (PSAC), and Queen's University.

Link:

<https://www.queensu.ca/facultyrelations/psac%20901-1/collective-agreements/MoAs/LoUs>

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 will provide support in its recruitment processes to applicants with disabilities, including accommodation that considers an applicant's accessibility needs. If you require accommodation during the interview process, please contact ECE Reception. Link: ecerecpt@queensu.ca

To comply with Federal laws, the University is obliged to gather statistical information about how many applicants for each job vacancy are Canadian citizens/ permanent residents of Canada. Applicants need not identify their country of origin or citizenship; however, **all applications must include** one of the following statements: **I am a Canadian citizen/permanent resident of Canada; OR I am not a Canadian citizen/permanent resident of Canada. Applications that do not include this information will be deemed incomplete.**

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 relevant other materials the candidate wishes to submit for consideration. Applications can be submitted to the ECE Appointments Committee at the address below, or by email to ECE Reception. Link: ecerecpt@queensu.ca

Applications should be received **no later than October 7, 2024.**

Electrical and Computer Engineering Appointments Committee
Department of Electrical and Computer Engineering
Walter Light Hall, 19 Union Street, Room 416
Queen's University