



**DEPARTMENT ELECTRICAL & COMPUTER ENGINEERING
SMITH ENGINEERING**

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

Posting Date: July 4, 2024
Closing Date: July 31, 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 278: Fundamentals of Information Structures
Fall Term Course: September 1, 2024 – December 31, 2024

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-278.html>

Course Description:

ELEC 278 Fundamentals of Information Structures | Units: 4.00

Fundamentals of Data Structures and Algorithms: arrays, linked lists, stacks, queues, deques, asymptotic notation, hash and scatter tables, recursion, trees and search trees, heaps and priority queues, sorting, and graphs. Advanced programming in the C language. Introduction to object oriented programming concepts in the context of data structures.

Anticipated course enrolment: 350

Offering Term: F

Offering Faculty: Smith Engineering

Requirements: PREREQUISITE: APSC 142 or APSC 143 or MNTC 313 and registration in a B.A.Sc. Academic Program is required. EXCLUSION: CISC 235

Teaching requirement:

The above advertised course will be taught on campus. Fall term classes begin on September 03, 2024.



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: <http://www.queensu.ca/humanresources/employees/unions.html>

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 July 31, 2024.**

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