



**DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING
FACULTY OF ENGINEERING AND APPLIED SCIENCE**

**Teaching Fellow Position
Academic Year 2020-21**

**Posting Date: 27 Feb 2020
Closing Date: 20 March 2020**

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 2020-21 session.

Qualifications:

Minimum of an M.A.Sc. Degree (or equivalent industry design experience) in Electrical & Computer Engineering or a related field, expertise in the field relevant to the course, and appropriate teaching experience. Previous educational background and/or experience must be suited to teaching the course described below. Candidates must have excellent communication and presentation skills, as well as be capable of working as a member of a teaching team. Registration as a Professional Engineer, or eligibility to acquire registration in Canada, is an essential qualification. Prior teaching experience in project based engineering courses and lecture-based engineering courses would be a strong asset. Preference will be given to candidates who are registered as professional engineers in the province of Ontario.

Teaching requirement:

Fall Term Course: 1 September 2020 – 31 December 2020

ELEC-278 – Fundamentals of Information Structures, anticipated course enrolment: 150-175

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. (12/0/0/24/12)

PREREQUISITES: APSC142

EXCLUSIONS: CISC235

Definitions:

Course Syllabus can be found at:

<http://www.ece.queensu.ca/Current-Students/Undergraduate/Course-Summaries/ELEC-278.html>

The above advertised course will be taught on campus. The successful applicant will have 100 percent responsibility for the course.

Queens University is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, aboriginal people, persons with disabilities, and persons of any sexual orientation or gender identity. 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), <http://www.queensu.ca/humanresources/employees/unions.html> and Queen's University.

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 Mary Gillespie, Mary.gillespie@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 e-mail to Mary Gillespie, mary.gillespie@queensu.ca . Applications should arrive no later than 20 March 2020.

Electrical and Computer Engineering Appointments Committee
c/o Mary Gillespie, Departmental Assistant
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