



**DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING**  
**FACULTY OF ENGINEERING AND APPLIED SCIENCE**  
**Teaching Fellow Position**  
**Academic Year 2023-2024**

**Posting Date: May 10, 2023**  
**Closing Date: June 07, 2023**

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 2023 -2024 session.

**ELEC 353 – Electronics II**  
**September 01, 2023 – December 31, 2023**

***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.

**Teaching requirement:**

Fall Term Course: September 01, 2023, to December 31, 2023  
Anticipated course enrolment: 150

**Description**

**ELEC 353 Electronics II | Units: 4.25**

Transistor level modeling and design of analog and digital electronic circuits. Differential amplifiers, Gilbert Cell multipliers, multistage amplifiers, amplifier frequency response, negative feedback amplifiers, LC tank and crystal oscillators, two-port networks. Advanced concepts in logic design. Students learn the basics of computer aided design (CAD) of integrated circuits including schematic simulation, layout, design rules, layout versus schematic verification and extracted circuit simulation. Laboratory work is design oriented and students are introduced to advanced test and measurement techniques using vector network analyzers.

**Requirements:** PREREQUISITE(S): [ELEC 252](#), [ELEC 224](#) or [MREN 223](#) or [MTHE 334](#)

**Offering Term:** F

Queen's 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. Academic staff at Queen's University is governed by a collective agreement between QUFA, [QUFA](#) and Queen's University.

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 takes into account an applicant's accessibility needs. If you require accommodation during the interview process, please contact Mary Gillespie, [mary.gillespie@queensu.ca](mailto: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 email to Mary Gillespie at [mary.gillespie@queensu.ca](mailto:mary.gillespie@queensu.ca). Applications should be received no later than June 07, 2023.

Electrical and Computer Engineering Appointments Committee  
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