SMITH ENGINEERING
Queen's University

Mechatronics and Robotics Engineering

Summer Job Opportunity

Duration: May – August 2026
Hours: For undergraduate students, the position will be 16 weeks of full-time work (35-hours/week). For graduate students, the position will be 16 weeks, part-time, with a maximum of 10 hours per week. Graduate students must have permission from their supervisor to take on this position.

Compensation: $18.60/hr plus 4% vacation pay
Location: Mitchell Hall, on Queen's campus

Number of Positions: 2
Vacancy Type: New

Supervisors:
Mary Bouchard and Francesco Ambrogi

What is the role?
The Mechatronics and Robotics Engineering (MRE) program is hiring up to two students to assist in the development and revision of new undergraduate laboratories. This may include assembling and testing new laboratory equipment, contributing to the design of laboratory set-up, and/or creating lab manuals. The successful candidate will contribute to cutting-edge mechatronics and robotics courses that may include automation, intelligent systems, machine design, robotics, fluid mechanics & fluid power, and thermodynamics & heat transfer.

Successful candidate will be:

- An undergraduate student (any engineering program) who has successfully completed 2nd year, or a graduate student in the ECE or MME graduate program or related engineering program
- A recent graduate of MRE, ECE, or MME, or related engineering program

Successful candidates will ideally have:

- Sound understanding of core concepts in engineering design and problem solving
- Sound understanding of core concepts in thermodynamics and fluid mechanics
- Experience in design, build, instrumenting and testing of experimental prototypes
- Proven ability to work independently, and
- Initiative and creativity

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Projects this summer include:

1. Construct and test gas state apparatus for MREN 230
2. Construct and test fluid flow apparatus for MREN 241

Application:

If you are interested, please submit a cover letter, unofficial transcript, and your resume by **Thursday April 30th at 11:59 pm** to Mary Bouchard m.bouchard@queensu.ca .

You must be eligible to work in Canada. For more information on the MRE program, please visit the website: https://smithengineering.queensu.ca/mre/index.html . We appreciate all applications, but only those selected for an interview will be contacted.

Artificial Intelligence (AI) will not be used in the screening, assessment or selection process for this position.