JOB POSTING: WAMIC23-02
Job Title: **Electronics Engineering Research Assistant (Co-op)**
START DATE: April – September - 4 months
Department: Research and Innovation Division
Salary: $16.74 per hour

Located at the Welland Campus of Niagara College, the Walker Advanced Manufacturing Innovation Centre (WAMIC) provides small regional manufacturers access to needed facilities, equipment, technical expertise and serves to assist them in product development, technology adoption, and commercialization.

MAIN FUNCTIONS: The Electronics Engineering Technology Research Assistant will have a comprehensive skill set to work with the WAMIC team, and Industry Partners on a variety of applied research projects. Hours completed during this work term can be used toward your co-operative placement hours. The Research Assistant will report to the Research Program Manager. The successful candidate will work in Advanced Manufacturing areas such as Product Design & Development, Product Testing, and Reverse Engineering

DUTIES:
- Provide support for electrical engineering projects
- Assist in the design, building, and testing of electronics systems as required by industry partners' projects
- Collaborate with project team members to develop solutions for companies
- Assist in troubleshooting, and improving developed circuits and systems
- Implement robotic-based platforms (i.e. Arduino and Raspberry Pi) and related software
- Accurately document, edit, and track records of project progress
- Develop comprehensive engineering reports to be submitted to industry partners
- Assist with the coordination of meetings and special events
- Represent the Walker Advanced Manufacturing Innovation Centre at college activities and external events
- Comply with all safety applicable requirements while working at the lab, using an equipment or a product

EMPLOYMENT REQUIREMENTS:
- Current student of the Electronics Engineering program at Niagara College with a strong academic standing
- Creativity in developing new ideas for product development
- Knowledge of electronics board design, and bill of materials (BOM) preparation and assembly
- Electronics hardware prototyping and development (ex: Arduino, Raspberry Pi)
- Knowledge of real-time requirements for hardware, data and remote control an asset
- Familiarity with wireless communications, sensors and associated sensor system an asset
- Demonstrates high level of organization and time management skills
- Demonstrates great attention to detail, quality, and accuracy
- Capable of working independently and unsupervised
- Ability to be a collaborative member of a team
- Demonstrates an uncompromised commitment to confidentiality & safety
- Ability to take initiative to complete tasks, ask for help, and seek solutions
- Ability to co-ordinate multiple tasks
- Ability to communicate with non-technical and highly technical individuals
- Comfortable making presentations to small/large groups

WORKING CONDITIONS:
- Co-operative Placement starting April – September 2023
- Work schedule is Monday to Friday from 8:30 am to 4:30 pm
- Reading text and documents
- Indoors, sitting and regular computer use
- On-campus position (Welland campus)

Please email your resume, cover letter, class schedule and transcript to researchjobs@niagaracollege.ca by **Wednesday March 22, 2023 by 12 pm**. Please reference posting Electronics Research Assistant Co-op in the subject line.