JOB POSTING: WAMIC20_03

JOB TITLE: **Electrical Engineering Research Assistant**
DATE: October 2020
DEPARTMENT: Research and Innovation Division
SALARY: $14.21 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, expansion into new markets and commercialization.

MAIN FUNCTIONS: The Electrical Engineering Research Assistant will have a comprehensive skill set to work with the Walker Advanced Manufacturing Innovation Centre team, Research Leads and Industry Partners on a variety of time-sensitive projects. Hours completed during this work term may be used toward your co-operative placement hours.

DUTIES:
- Develop solutions for specific industry-partnered applied research and technical service activities
- Identify electrical considerations when planning research/technical services activities
- Propose design modifications and monitor product to improve on future design
- Provide logistic support for electrical engineering projects
- Monitor and maintain work plans including specific milestones and deliverables
- Foster effective team work between students, faculty members and industry partners
- Document, edit, report, and track accurate records of all project progress and/or events (sign offs, time completion, meeting minutes, general correspondence, etc.)
- Attend planning or project-specific meetings as required and takes and prepares minutes
- Represent the Walker Advanced Manufacturing Innovation Centre at college activities and external events

EMPLOYMENT REQUIREMENTS:
- Enrolled in an Electrical Engineering Technology program with a strong academic standing
- Must have a strong working knowledge of voltage, current, resistance, inductance, power, and power factor
- Experience with Electrical Machines
- Relevant technical education and/or employment background required to
- Highly proficient with Microsoft Office Suite
- Demonstrates high level of organization and time management skills
- Demonstrates great attention to detail, quality, and accuracy
- Ability to be a project lead and a collaborative team member
- Demonstrates an uncompromised commitment to confidentiality
- Ability to take initiative to complete tasks and develop solutions
- Willing to learn and expand knowledge pertaining to PLCs, Frequency Drives, AutoCAD, etc.
- Ability to multi-task and manage any unforeseen issues
- Demonstrates creativity in developing new ideas for project development
- Ability to communicate with non-technical and highly technical individuals
- Strong communication (written/oral), interpersonal, and presentation skills

WORKING CONDITIONS:

- Reading text and documents
- Indoors, sitting and constant computer use

To apply, please email your resume, cover letter, class schedule and transcript to researchjobs@niagaracollege.ca by Friday, September 25, 2020 at 12:00 pm. While we appreciate all applications received, only those candidates selected for an interview will be contacted.