

## PART-TIME OPPORTUNITIES

Hours of availability 8am to 4pm for research projects Monday to Friday. Some opportunities may require evening or weekend availability. Part-time Researcher contracts, hours, and opportunities vary per project. The hourly wage will vary depending on the opportunity.

### Description:

The purpose of the Researcher position is to lead and execute applied research projects, resulting in the integration of learned knowledge back into college curriculum, advanced student experiential learning, and regional economic development. This role is pivotal for driving research excellence and knowledge mobilization at the college.

Please submit your resume/application quoting the competition number online application at:

<https://www.stclaircollege.ca/careers/apply>.

Candidates with non-North American credentials must provide a [World Education Services \(WES\)](#) evaluation confirming the Canadian equivalency of the credentials. Candidates who have non-North American credentials who have not yet been assessed as indicated above are expected to make application to [WES](#). Offers of employment require a completed evaluation from [WES](#).

## EV TECHNOLOGY COMPETITION #: RI001

ACCEPTING RESUMES

This role is pivotal for driving Battery and Electric Vehicle research excellence and knowledge mobilization at the college. The incumbent, with a science or engineering background, possesses a versatile skill set along with hands-on knowledge in electronic design, mechanical fabrication, CAD, drafting, and bills of materials management.

### SPECIFIC QUALIFICATIONS:

- Must have a diploma/degree in a Science or Engineering or a related field and a minimum of 3 years' recent and relevant experience working in their field
- Must have demonstrated interest in EV Battery Technology and familiar with hands-on experience like VCU, MCU, and BMS
- Wage - commensurate based on related education and experience.

## ROBOTICS AND AUTOMATION COMPETITION #: RI002

SUBMISSIONS ON HOLD

This role is pivotal for driving Automation research excellence and knowledge mobilization at the college. The incumbent, with a robotics background, possesses a versatile skill set along with hands-on knowledge in PLC programming and design robotics process automation.

### SPECIFIC QUALIFICATIONS:

- Must have a post-secondary diploma or degree in a Robotics, Computer Science, Electrical Engineering or Automation field and a minimum of 3 years' recent and relevant experience
- Must have strong knowledge on integrating robots with PLC, with experience programming and troubleshooting Fanuc, ABB, Omron or Universal robots.
- Wage - commensurate based on related education and experience.

## **DIGITAL TWIN – AUGMENTED AND VIRTUAL REALITY COMPETITION #: RI003**

**SUBMISSIONS ON HOLD**

This role is pivotal for driving Augmented and Virtual Reality for Digital Twin research excellence and knowledge mobilization at the college. The incumbent, with a programming or animation background, possesses a versatile skill set along with hands-on knowledge application development, design skills, XR platform proficiency and programming experience in the development of Digital Twins.

### **SPECIFIC QUALIFICATIONS:**

- Must have a post-secondary diploma or degree in an Animation or Programming/Computer Science field and a minimum of 3 years' recent and relevant experience working in their field
- Moderate to advanced ability in at least one XR platform, such as Unity or other emerging products, is essential
- Demonstrated experience in developing responsive applications, especially in 3D and animation development, highly skilled in programming languages such as C#, C++, Java, or similar languages.
- Wage - commensurate based on related education and experience.

## **SCHOOL NUTRITION PROGRAM COMPETITION #: RI004**

**SUBMISSIONS ON HOLD**

The aim of the proposed project is to develop a collaborative school nutrition pilot program, in partnership with the Ontario Student Nutrition Program (OSNP), AgScape, and ProsperUs Windsor-Essex.

This role is pivotal for driving School Nutrition research excellence and knowledge mobilization at the college. The incumbent, with a health science background, possesses a versatile skill set along with hands-on experience working in the qualitative research process including literature reviews, methodology, data collection and composition, and development and distribution of work.

### **SPECIFIC QUALIFICATIONS:**

- Must have a relevant combination of experience and education including completed or pursuing a graduate degree. 3 years experience in the particular research field. A post-secondary degree in Health Sciences or related field is an asset.
- Due to the milestones of the project, experience with data collection and analysis is mandatory for consideration. Applicants must have graduate level research experience.
- Wage - commensurate based on related education and experience.

## **YOUTH HOMELESSNESS PROJECT COMPETITION #: RI005**

**ACCEPTING RESUMES**

The goal of the project is to develop new understandings of youth experiencing homelessness through an intersectional lens to inform the co-creation of preventative programming at FSWE. This role is pivotal for driving Social Justice research excellence and knowledge mobilization at the college. The incumbent, with a Social Justice/Legal Studies background, possesses a versatile skill set along with hands-on experience working in the qualitative research process including literature reviews, methodology, data collection and composition, and development and distribution of work.

### **SPECIFIC QUALIFICATIONS:**

- Must have a relevant combination of experience and education including completed or pursuing a graduate degree. 3 years experience in the particular research field. A degree in Social Justice/ Legal Studies or related field is an asset.
- Due to the milestones of the project, experience with data collection and analysis is mandatory for consideration. Applicants must have graduate level research experience.
- Wage - commensurate based on related education and experience.

This role is pivotal for driving Circular Economy research excellence and knowledge mobilization at the college. The incumbent, with an environmental engineering background, possesses a versatile skill set along with hands-on knowledge to manage the continuous development and implementation of the circular strategy in order to reduce the environmental impact throughout all stages of the recycling process development cycle.

### **SPECIFIC QUALIFICATIONS:**

- Must have a post-secondary diploma or degree in Science or Environmental or Civil Engineering or a related field.
- Minimum of 3 years' recent and relevant experience working in their field.
- Must have demonstrated interest designing waste management alternatives relevant to recycling and environmental impact.
- Strong analytical data collection and interpretation skills utilizing sensors.
- Wage - commensurate based on related education and experience.

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St. Clair College is committed to workplace diversity and provides accommodations to applicants with disabilities throughout our hiring process.

If you require an accommodation, please contact Human Resources.

We invite applications from qualified applicants. The competition will be conducted in accordance with the prevailing Collective Agreement. While we appreciate all applications, we will acknowledge only those applicants invited for an interview.

COMMITTED TO EQUITY IN EMPLOYMENT AND EDUCATION

Visit our Employment Opportunities Web Page at:

<https://www.stclaircollege.ca/careers/current-opportunities>

Information is collected under the Freedom of Information and Protection of Privacy Act.