

Research Technologist, Electronics and Robotics (Term)

Technology Access Centre for Aerospace and Manufacturing

Applicants are to clearly demonstrate how they satisfy the selection criteria in their written submissions and must identify the competition number they are applying for in the subject line of the email.

This competition may be used to establish a 12 month eligibility list of qualified candidates for future vacancies.

DUTIES

Reporting to the Director, Technology Access Centre for Aerospace and Manufacturing (TACAM) at RRC Polytech, the Research Technologist supports applied research activities in electronics, robotics and integration of electromechanical systems. Specific duties include developing software for interfacing a variety of sensors, actuators, robots, and/or machine vision systems to a lab-scale or production environment and designing of printed circuit board (PCB) and electronic assemblies. The candidate will be required to work as part of project teams to develop solutions for industrial clients, and also develop technical reports for both college-based and industrial client projects, and support technology workshops and knowledge dissemination, and industry outreach activities.

REQUIRED QUALIFICATIONS

- Post-secondary education in Electrical, Electronics or Mechatronics Engineering/Technology; an equivalent combination of education and experience may be considered
- Experience in circuit and PCB design, and microcontroller software development
- Experience in interfacing or integrating electrical, automation, communication and mechanical systems
- Experience using multimeters, oscilloscopes and soldering iron
- Experience in C++ or Python computing languages
- Ability to undertake multiple tasks with limited supervision
- Strong written communication skills
- Excellent oral communication skills
- Excellent interpersonal skills
- Experience in project management
- Values Diversity, Equity, and Inclusion
- Commitment to lifelong learning

ASSETS

- Experience with ST and Raspberry Pi microcontrollers
- Experience working in College applied research such as a Technology Access Centre
- Experience in robotics programming and integration, and with ROS-industrial

CONDITIONS OF EMPLOYMENT

- Applicants must be legally entitled to work in Canada
- This position may be required to work evenings and/or weekends
- This position may be required to work overtime
- This position may be required to travel

RRC Polytech requires that staff, students and faculty either be fully vaccinated or have an approved exemption to be able to attend any campus. For further information please review the [COVID-19 policy](#).

COMPETITION NUMBER

2021-241

CLOSING DATE

December 1, 2021

SALARY

\$47,774 - \$65,326 per annum

POSITION LOCATION

Notre Dame Campus
(Winnipeg, MB)

POSITION TYPE

Full-Time, Term Position Available
Anticipated Jan 10, 2022 up to Mar 31, 2023
Possibility of an Extension

APPLY BY EMAIL TO

humanresources@rrc.ca

Red River College Polytechnic is a leader in applied learning and innovation. Our talented team of employees is passionate about education, innovation and student success. We offer competitive salaries, extensive benefits and the opportunity for personal and professional growth in a rewarding career.

At RRC Polytech we are committed to fostering an inclusive environment, where all employees and students feel valued, respected and supported. The College seeks to increase diversity among its community members and welcomes applications from women, Indigenous persons, racialized persons, persons with disabilities, persons of all sexual and gender identities and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.



Red River College Polytechnic is committed to providing accessible employment, and ensuring that our recruitment, assessment and selection process is barrier free. If a candidate requires accommodation during the hiring process, Human Resources Services will work with the individual to meet their needs. We thank all applicants for their interest, but only those selected for an interview will be contacted. For more information and other employment opportunities, visit rrc.ca/hr