



**Assiniboine
College**

PEOPLE MAKE IT HAPPEN.

Mechatronics & Robotics Lab Technologist

Mechatronics Engineering Technology Program
Russ Edwards School of Agriculture & Environment
Full-Time, Regular
Brandon, MB
Comp #108-24/25
Salary: \$52,517 to \$63,921 annually (\$27.86 to \$33.91)
Classification: Educational Assistant 3

For over 60 years, Assiniboine College has been providing exceptional learning experiences, while transforming lives and strengthening Manitoba through applied education and research. Our future success rests on our ability to develop a sustainable Thriving Workforce that is unified in moving forward for the benefit of the college and Manitoba. Our culture is built on our principles for continued success: Creativity, Collaboration, and Courage.

The Mechatronics & Laboratory Technologist will play a crucial role in supporting the program's operations and enhancing the learning experience for students. This position oversees and maintains the operation of the mechatronics, robotics and electronics laboratory facilities including overall planning, servicing, repairing, purchasing and designing for these laboratories. This position provides technical assistance to students, faculty and the Academic Chair in all matters concerning these laboratory facilities. The incumbent will maintain, record keep and control capital equipment and operating supplies within the overall Russ Edwards School's mechatronics, robotics and electronics lab budget.

Key Responsibilities:

- ▶ Assisting in Student Labs: Support students during lab sessions by providing technical assistance and guidance. Ensure that lab environments are safe and conducive to learning.
- ▶ Resource for Capstone Projects and Applied Research: Serve as a resource for students working on capstone projects and applied research. Provide technical support and guidance to help students achieve their project goals.
- ▶ Collaboration: Work closely with faculty, staff, and students to support the overall goals of the Mechatronics Engineering Technology Program. Participate in team meetings and contribute to program development.
- ▶ Maintenance of Equipment: Ensure all equipment used in the Mechatronics Engineering Technology Program is properly maintained and operational. Perform routine checks and repairs as needed.
- ▶ Manage software licenses for all mechatronics, robotics, and electronics lab environments.
- ▶ Assist with commissioning and setup of new laboratory equipment.
- ▶ Instruct students and faculty on proper equipment use.
- ▶ Provide technical support for student labs, capstone projects, and applied research.
- ▶ Ensure all labs meet operational needs for the Russ Edwards School's mechatronics and robotics curriculum.
- ▶ Maintain compliance with standard industry safety guidelines across all lab spaces.



- ▶ Support three interconnected teaching labs:
 - Mechatronics Lab with electro-mechanical and automation trainers
 - Robotics Lab featuring KUKA industrial robots
 - Electronics Lab
- ▶ Deliver hands-on technical support for PLCs, robotics systems, electro-mechanical equipment, and industrial automation technologies.
- ▶ Ensure labs operate safely, efficiently, and in alignment with current industry practices.
- ▶ Participate with faculty and chair in determining the required laboratory equipment and make recommendations of purchases.
- ▶ Investigate, research and update on the use of the latest technological developments and innovations in the mechatronics and robotics industry.
- ▶ Software Licensing: Manage the licensing of software used within the program. Ensure all software is up-to-date and compliant with licensing agreements.
- ▶ Commissioning of Equipment: Assist with the setup and commissioning of new equipment. Ensure that all new equipment is installed correctly and ready for use.
- ▶ Instruction of Equipment Use: Provide instruction and training to students and staff on the proper use of equipment. Develop instructional materials and conduct workshops as needed.

Qualifications:

- ▶ A minimum three (3) year Diploma in Mechanical or Electronics or electro-mechanical Engineering Technology.
- ▶ A minimum of three (3) years of progressively responsible industry experience, in an electronics, mechatronics or robotics laboratory environment.
- ▶ Technical Skills: Proficiency in the use of various types of equipment and software used in technology and innovation programs. Strong troubleshooting and problem-solving skills.
- ▶ Experience in configuring and using Siemens Totally Integrated Automation Portal (TIA Portal) and Factory Talk by Rockwell Automation
- ▶ Must be able to determine, identify and anticipate the requirements of mechatronics, robotics and electronics lab facilities.
- ▶ Excellent verbal and written communication skills. Ability to explain technical concepts to non-technical audiences.
- ▶ Strong organizational skills with the ability to manage multiple tasks and priorities.
- ▶ Ability to work effectively with a diverse group of students, faculty, and staff. Strong customer service orientation.

This competition will remain open until the position is filled.

Discover full details about the position in the attached Job Description.

Why Join Us?

Working Together:

Be part of a collaborative and inclusive environment that values teamwork and positive employee relations. Together, we paddle collectively toward our mission.



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Growing Together:

We invest in our employees' future through succession planning, forward-looking recruitment, and supportive development programs. At least 4% of payroll is dedicated to staff and professional development.

Forward Together:

As we navigate rapid technological changes, we prioritize resilience and wellness among our faculty and staff, helping them become the leaders Manitoba

Our Principles for Continued Success:

- ▶ **Creativity:** We foster an environment that supports and unleashes the creativity of our faculty and staff.
- ▶ **Collaboration:** Teamwork, purposeful connections, and community building are critical to achieving our collective potential.
- ▶ **Courage:** Our faculty and staff embrace their roles as community leaders, boldly taking risks to build a strong future for Manitoba

Commitment to Diversity:

Assiniboine College is committed to creating a barrier-free environment that emphasizes the value of diversity and promotes full participation. We welcome applications from all qualified candidates who are legally entitled to work in Canada, including indigenous peoples, persons of all abilities, members of visible minorities, all genders, and sexual orientations.

How to Apply:

If you are interested in this career opportunity, please email your resume and cover letter with reference to this competition to careers@assiniboine.net. We thank all applicants for their interest; only those selected for further consideration will be contacted.

For accommodations or alternative formats, contact careers@assiniboine.net or 204 725 8729.

Assiniboine College is privileged to provide learning opportunities on the lands of the Dakota Oyate, Nakoda Oyate, Ininiwak, Nehethowak, Nehiyawak, Anishininewuk, Denesuline, Anishinaabeg, and the National Homeland of the Red River Métis.