

THE WORLD NEEDS YOU.

RISE ABOVE THE ORDINARY

SEE BEYOND TODAY.



FUTURE
LEADERS

The world needs the brilliant minds of our graduates.

Seeing beyond today, means we are committed to providing our students with learning opportunities that reflect the needs of the industries that propel our region.

Discover St. Clair College:

- + Access to state-of-the-art facilities gives students hands-on training using some of the world's most sophisticated technology.
- + Dedicated Applied Research & Development team with a focus on Advanced Manufacturing.
- + Access to \$3 million in scholarships and bursaries.

St. Clair College

St. Clair College's robotics program trains students for high-demand jobs

Located in the hub of Windsor, Ontario's Advanced Manufacturing sector, St. Clair College knows that technology and innovation are the main drivers of today's businesses.

These skills are in high demand in the local economy and around the world as AI and Automation become critically important elements in the world of Advanced Manufacturing.

The Electromechanical Engineering Technician – Robotics program at St Clair College is one of a kind. An amazing team of professors, fresh out of the industry, have a combined 60-plus-years-experience in the field of industrial automation.

Students in Robotics will learn valuable skills to work as designers and programmers in the automation and robotics fields.

St. Clair College has two robot labs: the newest robotic vision lab has eight ABB robots with integrated Cognex vision systems and the second lab is fully guarded and houses six ABB robots that are set up to meet industry standards, for a total of 14 ABB robots.

Students are taught applications such as robotic MIG welding and spot welding, with the use of in-house designed and 3D-printed end of arm tooling that resembles workplace tools used to accomplish these tasks.

In the new robotic vision lab, students are taught to use vision-guided robot programming, using industry-leading software and hardware. Instructors teach different lighting techniques, accompanied by different types of imaging filters to acquire the best possible image and results.

Most of the tooling used in the robotic vision lab has also been designed and 3D printed in-house with the use of the College's 3D printers. The college is continually adding to a library of video tutorials of different lab techniques taught throughout the program. By using these online video tutorials, students understand the content by visually learning, even outside of the classroom.

Upon graduation, these students will have industry-ready skills in industrial robot programming, PLC programming, machine vision, electrical design, welding, simulation, fluid power, mechanical design, and project management.

Our current challenges require us to think differently, to act differently and to move beyond what we know. The world needs tech minds that can see beyond today. Staying a step ahead requires a commitment to teach from a place of innovation and to provide learning that encourages and motivates creative thinking and solution-based applications to real work issues.

This is the essence of what St. Clair College offers in its Electromechanical Engineering program, training our future robotics technicians to rise above the ordinary.

