

# SCHOOL OF MANUFACTURING AND AUTOMATION



## SCHOOL OVERVIEW

The School of Manufacturing and Automation provides the skills-based training and development to prepare you for a career in Alberta's rapidly growing oil and gas, transportation, manufacturing and automation sectors.

## OUR PROGRAMS

From pre-employment trades to non-destructive testing and mechanical engineering, along with new courses focused on machining, welding and fabrication technology, our programming meets the demands of industries ranging from oil and gas to transportation to textiles, plastics and industrial manufacturing.

Across all our courses is a focus on curriculum developed in close connection with industry emphasizing hands-on skill and tech-infused learning.

## MEETING CALGARY'S DEMAND FOR TALENT

Manufacturing and Automation, one of SAIT's founding schools, has a rich history in ironworking, industrial mechanics and welding.

But this school has always been about looking ahead.

As industries have evolved, so too has our programming - we are continuously adapting and meeting the changes brought on by new technologies and innovation across a number of sectors.

By embracing change, we help you prepare for the ever-changing and growing world of work with practical skills and work-integrated learning opportunities.

**#ThinkBIG #ThinkDifferent**



90% GRADUATE  
EMPLOYMENT RATE



MEDIAN SALARY  
\$66,000 PER YEAR

## PROGRAM OVERVIEW

The nature of construction jobs is evolving, and so are our programs, ensuring graduates are qualified for what comes next.

### Industrial Trades Programs

Step into the diverse realm of post-secondary industrial trades.

This dynamic field blends hands-on skill development with technical expertise across mechanical, electrical, and technical disciplines.

Explore its pivotal role in shaping global industries like manufacturing and construction. Gain a pathway to rewarding careers fueled by creativity, problem-solving, and precision at the forefront of industrial innovation.

### Manufacturing Technology Programs

Discover the world of manufacturing technology in post-secondary education, where you'll explore cutting-edge production processes.

Delve into design, automation, and optimization to drive efficiency in manufacturing.

Gain hands-on experience and theoretical knowledge, preparing for impactful careers at the forefront of industry advancement

### Welding and Inspection Programs

Discover the art and science of fusing materials seamlessly while ensuring the highest quality standards.

Learn how this field shapes the backbone of infrastructure, manufacturing, and innovation, providing a gateway to a career where meticulous precision meets cutting-edge technology.

## CAREERS AND OPPORTUNITIES

Our graduates may work in the following occupations. Some careers require additional experience and education.

- Industrial Mechanic (Millwright) Apprenticeship
- Ironworker Apprenticeship
- Pre-employment Industrial Mechanic Millwright
- Machining Technology
- Machinist Apprenticeship
- Mechanical Engineering Technology
- Non-Destructive Testing Foundations
- Pre-employment Welding
- Welder Apprenticeship
- Welding and Fabrication Technology
- Welding Engineering Technology

"I really value my time at SAIT. The small class sizes, the relationships with the instructors and the hands-on learning where you do the work means everything you learn in the classroom applies to the real world."

### Levi Kuta

SAIT alumnus, School of Manufacturing and Automation



## GET IN TOUCH

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Southern Alberta  
Institute  
of Technology