

AUTOMATION

New enrollments into this program are restricted as of Fall 2025. Please contact an academic advisor about alternative options.

Overview

Degrees Offered: Program Certificate

Limited Enrollment: Yes

Program Begins: Fall

Delivery Method: On Campus

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Description

Automation is a key facet in many industries including manufacturing, food and beverage, energy, logistics and more. The Automation program prepares students to install, maintain, repair, operate and troubleshoot physical machines and control systems used to automate tasks utilized in renewable energy, conventional energy and industrial facilities.

A limited number of students will be accepted into the on-campus program in the fall.

Preparation

Those considering an automation career should have a high school background in applied physics and algebra. Knowledge of mechanical, electrical and/or instrumentation systems is beneficial.

After completing this program, prospective students should be prepared for the physical demands of entry-level technician positions. Typical industry requirements include passing a physical exam, lifting 50+ pounds, climbing ladders and working in confined spaces or heights. Job applicants may also be required to pass a drug screening and eye exam, including the ability to distinguish between colors accurately.

Requirements

Students who complete the curriculum requirements receive a Program Certificate.

Career Opportunities

Working in industrial automation provides a high-paying career and exciting opportunities for employment throughout the world. The need for trained automation technicians continues to increase as manufacturing moves toward industry 4.0 standards.

Additional Information

Many of the credits from this program may also be applied towards an Energy Services and Renewable Technician AAS degree or an Industrial Automation & Robotics AAS degree. Students interested in earning both degrees should contact their advisor to discuss what degree plan and schedule adjustments are necessary.

Degree Plans

- Automation Program Certificate