

ELECTRICAL AUTOMATION CONTROL

Program Description

The Electrical Automation Control Program is designed specifically for those in the field.

By enrolling in this program, students will be looking to further their careers in manufacturing. This program will be offered in a hybrid format.

Lecture would take place during the week online utilizing the college's learning management system. Students would come to campus in North Platte on Fridays for the lab portion of the courses.

Program Objectives

- Understand the hazards of working with electrical circuits and equipment and the procedures to follow to prevent injury.
- Program and configure equipment controlling various types of electrical motors and automated processes.
- Demonstrate an understanding of personal and work characteristics that contribute to effective job performance.
- Use effective communication skills appropriate to the electrical trades.
- Apply electrical automation control theory to specific jobs using critical thinking and the ability to work independently.
- Use mathematical data and reasoning to configure electrical equipment to properly communicate with control system devices.

Career Opportunities

Potential career areas for graduates include advanced positions in manufacturing facilities such as Electronics Technicians, Electromechanical Technician, Instrument and Control Technicians, Maintenance Technicians, Control and Valve Installers and Repairs, and Industrial Machine Mechanics.

Associate of Applied Science Degree

- Electrical Automation Control, AAS (<https://catalog.mpcc.edu/course-catalog/programs/electrical-automation-control-aas/>)