

Advanced Automation - Electrical Maintenance Technology Certificate

Related Programs:

[Advanced Automation and Robotics Technology - Mechanical Maintenance Technology certificate](#) is taught in the Spring semester.

[Advanced Automation and Robotics Technology - Industrial Maintenance Technology diploma](#) is awarded after successful completion of both of the certificate courses above.

[Advanced Automation and Robotics Technology - AAS](#) is a two-year degree.

The Advanced Automation and Robotics Technology program is designed to prepare technicians to troubleshoot, service and fix computerized control systems and robotic devices in manufacturing environments. Students will gain knowledge and apply skills in advanced electrical, electronic, and robotics systems. Students will apply networking skills, integral to working with automated equipment, encompassing robotic components, sensors, controllers, and computers to support autonomous work.

The [Advanced Automation and Robotics Technology - Mechanical Maintenance Technology certificate](#) is awarded after successful completion of second semester courses.

The [Advanced Automation and Robotics Technology - Industrial Maintenance Technology diploma](#) is awarded after successful completion of the first and second semesters.

[Advanced Automation and Robotics Technology - AAS](#) is a two-year degree.

Where will this take me?

Industrial Engineering Technologist
Industrial Engineering Technician
Industrial Engineer
Industrial Safety & Health

Instructor and Staff

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Instructor
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Electrical & Mechanical Maintenance Certificates, Southeastern
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Welding & Industrial Maintenance Diploma, Southeastern
Community College

Jason Radel
Instructor

Southeastern Community College values diversity in all its forms. Please visit <https://www.scciowa.edu/non-discrimination-statement.aspx> to view our non-discrimination statement.

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit SCC's financial aid website at <http://www.scciowa.edu/admissions/costaid/finaid/gainemp.aspx>

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AAS-Electrical Technology, Northwest Iowa Community
College

AAS-Biomedical Electronics, Southeastern Community College
RS Logix 5000 and Control Logix Certified

Keokuk Campus

Program Requirements

Fall Semester	Credit
BUS-121 BUSINESS COMMUNICATIONS	3
ELE-195 MOTOR CONTROLS	3
ELE-310 INDUSTRIAL ELECTRICITY	2
ELT-250 PROGRAMMABLE LOGIC CONTROLLERS	3
ELT-295 AC/DC FUNDAMENTALS	2
MAT-702 INTRODUCTION TO MATH APPLICATIONS	3
Semester Total.....	16
Program Total.....	16