

Advanced Automation - Industrial Maintenance Technology Diploma

Related Programs:

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

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

[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 - Electrical Maintenance Technology certificate](#) is awarded after successful completion of first semester courses.

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

[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

Jeron Lindsay
Instructor
(319) 524-3221 ext. 1937
jlindsay@scciowa.edu
Electrical & Mechanical Maintenance Certificates, Southeastern Community College
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>

(319) 524-3221 ext. ext. 1990

jradel@scciowa.edu

AAS-Electrical Technology, Northwest Iowa Community College

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

Keokuk Campus

Program Requirements

First 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
Second Semester		Credit
EGT-142	FLUID POWER 1	2
EGT-143	FLUID POWER 2	2
ELE-116	BLUEPRINT READING	1
IND-104	INDUSTRIAL PUMPS	1
IND-141	POWER TRANSMISSION	2
MFG-209	MACHINE SHOP PRACTICES	3
MFG-520	PREDICTIVE MAINTENANCE	2
PSY-102	HUMAN AND WORK RELATIONS <u>or</u>	3
PSY-111	INTRODUCTION TO PSYCHOLOGY <u>or</u>	3
SOC-110	INTRODUCTION TO SOCIOLOGY	3
Program Total.....		32-32