

Industrial Maintenance Technology - AAS

The Industrial Maintenance Technology program provides students with technical skills in maintaining and troubleshooting electrical and mechanical systems used in the industry. Mechanical and electrical theory are covered throughout the program, including how to troubleshoot and repair industrial systems. Instruction is delivered in a format designed for flexibility and customization based upon the desired career path of each individual student.

BS, Orion Technical College

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

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

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

*Certificates and diploma can be earned one time.

Where will this take me?

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

Instructor and Staff

Jason Radel
Instructor
(319) 524-3221 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

Paul Volkl
Instructor
(319) 524-3221 ext. ext. 1937
pvolkl@scciowa.edu
AAS, Muscatine Community College

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>

Keokuk Campus

Program Requirements

First Semester	Credit
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

Take WBL-110 as 1 credit:

WBL-110 Employability Skills	1-3
Semester Total.....	14

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

Take 1 of these courses:

PSY-102 Human and Work Relations	3
PSY-111 Introduction to Psychology	3
SOC-110 Introduction to Sociology	3
Semester Total.....	16

Third Semester	Credit
EGT-147 Hydraulic Power Systems and Troubleshooting	1
ELT-132 Motor Drives	1
ELT-262 Advanced PLC and System Integration (Mechatronics)	6
ENG-105 Composition I	3
IND-106 Machine Shop II	2
IND-107 Valves	1
Semester Total.....	14

Fourth Semester	Credit
ELE-127 Troubleshooting	1
ELT-176 Instrumentation	3
IND-179 Boiler Operation and Control	2
IND-180 Industrial Heating and Cooling	2
CAD-101 Introduction to CAD	3

Take 1 of these courses:

HIS-151 US History to 1877	3
HIS-152 US History Since 1877	3
PHI-101 Introduction to Philosophy	3
PHI-105 Introduction to Ethics	3

Take 1 of these courses:

BIO-105 Introductory Biology	4
ENV-111 Environmental Science	4
PHS-151 Introduction to Astronomy	3
Semester Total.....	17-18

Program Total.....	61-62
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