

PROCESS MAINTENANCE TECHNOLOGY

Process Maintenance Technology AAS

This degree program is designed for persons who want to prepare for employment as industry machinery mechanic, maintenance worker or stationary engineer, and boiler operator. The curriculum provides for a student to learn the skills which are necessary to industrial maintenance and gives the student the flexibility to choose the track where their aptitude lies – electricity or welding.

ADMISSION TO THE PROGRAM: OPEN

FIRST-TIME ENROLLEES

1. Complete an application for admission and, if desired, apply for financial aid.
2. Send an official high school transcript or GED score report to the Admissions and Records Office.
3. Complete the placement exam.
4. Meet with an advisor/counselor to select classes and complete the registration process.

DEPARTMENT OF CAREER & TECHNICAL EDUCATION

2400 Tom L. Wilson Blvd.
Galesburg, IL 61401
309.341.3501

FOR ADDITIONAL INFORMATION CONTACT:

The Welcome Center
Phone:309.345.3500
welcomecenter@sandburg.edu

FOR GRADUATION REQUIREMENTS:

See the graduation policies and procedures page for details.

Process Maintenance Technology AAS

Course	Title	Semester Hours
First Year		
Fall Semester		
ELT.100	Electrical Fundamentals	3
MAT.101	Technical Mathematics 1	3
MFG.100	Introduction to Welding	3
MFG.130	Industrial Safety	2
MTL.101	Machine Tool Fundamentals 1	3
MTL.103	Manufacturing Processes	2
Spring Semester		
BOC.107	Tech Skills for Business Environment	3
DRF.100	Basic Drafting	2
MFG.125	Industrial Blueprints	3
HYD.101	Hydraulics and Pneumatics	3
MAT.102	Technical Mathematics 2	3
Second Year		
Fall Semester		
ELT.107	Digital Logic & Circuits	3
ELT.119	Industrial Electronic Control	3

SPE.110	Interpersonal Communication	3
or SPE.120	or Introduction to Public Speaking	
PSY.101	Introduction to Psychology	3
or PSY.107	or Positive Psychology	
or SOC.101	or Introduction to Sociology	
ICT.110	Computer Software Applications	3
Spring Semester		
PHY.110	Applied Physics	3
BUS.100	Introduction to Business	3
ELT.212	Industrial Electricity	3
Total Semester Hours		54

Select One Track to Complete:

Welding Track		
WEL.160	Oxyacetylene Welding & Metal Preparation	3
WEL.162	Arc Welding Basics	3
Electrical Track		
ELT.209	AC/DC Drives and Servos	3
ELT.213	Process Control & Instrumentation	3
Total Degree Hours		60

Ellen Burns

Dean of Career and Technical Education

The Center for Manufacturing Excellence (CME) offers classroom space, a computer lab, and houses Carl Sandburg College's industrial programs. The electrical lab features a host of components to aid in student learning including AC/DC trainers. Instruction is delivered by individuals with industry-specific expertise and includes specialized coursework using technical equipment. The College's weld lab offers 26 bay stations. The welding area offers two welding simulators, as well as state of the art multi process welding machines. The CNC Program offers training in programming, setup, and operations while housing multiple lathe, mills, and CNC Machines as well as simulators to properly train students for a career in the machining industry.