

BASIC INDUSTRIAL & MANUFACTURING MAINTENANCE

Basic Industrial & Manufacturing Maintenance Certificate

The certificate program provides generalized knowledge of electrical, welding, and manufacturing and industrial processes giving the program graduates knowledge and skill to be general maintenance workers in a variety of industrial, manufacturing, utilities, telecommunications, and transportation settings.

The certificate is the first semester for the Process Maintenance Technology A.A.S. degree.

ADMISSION TO 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.

Basic Industrial & Manufacturing Maintenance Certificate

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
Total Semester Hours		16

Note: Students enrolled in the Basic Industrial Manufacturing Maintenance Certificate must complete ELT, MTL, and WEL courses with a

grade of C or better. In order to graduate, students must complete all ELT, MTL and WEL courses with a grade of C or better.

(Students who do not expect to complete their degree within five years should refer to the Graduation Requirements section in this catalog.)

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.