

INDUSTRIAL TECHNOLOGY

CERTIFICATE (C)

DESCRIPTION: This program is designed to give students the basis for overall knowledge for employment in entry level positions in industry and manufacturing. Courses will include basic knowledge of electricity, safety, blueprint reading, math, computer, and necessary skills to attain and maintain employment in today's industrial workforce.

GENERAL EDUCATION REQUIREMENTS CREDITS: 6

MTH 110 TECHNICAL MATH I (3/4)
MTH 112 TECHNICAL MATH II (3/4)

CORE PROGRAM REQUIREMENTS CREDITS: 26

APP 100E ELECTRICAL STUDIES FOR TRADES (3/4) ^A
APP 104E AC & DC FUNDAMENTALS (3/4) ^A
APP 106M INDUSTRIAL SAFETY (.5/.5) ^A
CAD 150 3D MODELING (3/4) ^A
IND 229 HYDRAULIC & PNEUMATIC POWER (3/4) ^A
MET 200 MATERIAL SCIENCE (3/4) ^A
MFG 120 PRINT INTERPRETATION & PROCESSES (3/4) ^A
MFG 122 MANUFACTURING PROCESSES (3/3) ^A
SDE 201 JOB SEARCH STRATEGIES (1/1) ^A
WLD 134 INTRODUCTION TO WELDING TECHNIQUES (2/3) ^A
WLD 135 INTERMEDIATE WELDING (1.5/2.25) ^A

MINIMUM 32 CREDIT HOURS/42.75 CONTACT HOURS

NOTES:

^A Included in occupational specialty.

GPA of 2.0 or higher must be maintained in occupational specialty courses

INDUSTRIAL TECHNOLOGY

CERTIFICATE (C)

SUGGESTED SEQUENCE OF COURSES

YEAR 1 (FALL SEMESTER)

CREDITS: 14.5

APP 100E ELECTRICAL STUDIES FOR TRADES (3/4)
MTH 110 TECHNICAL MATH I (3/4)
APP 106M INDUSTRIAL SAFETY (.5/.5)
MFG 120 PRINT INTERPRETATION & PROCESSES (3/4)
WLD 134 INTRODUCTION TO WELDING TECHNIQUES (2/3)
CAD 150 3D MODELING (3/4)

YEAR 1 (SPRING SEMESTER)

CREDITS: 17.5

APP 104E AC & DC FUNDAMENTALS (3/4)
MTH 112 TECHNICAL MATH II (3/4)
MET 200 MATERIAL SCIENCE (3/4)
IND 229 HYDRAULIC & PNEUMATIC POWER (3/4)
MFG 122 MANUFACTURING PROCESSES (3/3)
SDE 201 JOB SEARCH STRATEGIES (1/1)
WLD 135 INTERMEDIATE WELDING (1.5/2.25)