

MECHANICAL MAINTENANCE

Technical Diploma

About the Mechanical Maintenance Program

Introduces students and builds basic skills to install, maintain, and operate hydraulic, pneumatic, mechanical, and electronic automated equipment used in manufacturing industries. Students will be introduced to diagnostics and repair of equipment components. Upon completion of the certificate, students will be eligible for entry level positions in manufacturing as production workers or maintenance technicians.

PROGRAM OUTLINE

SEMESTER: 1		
Course #	Course Title	Credits
1010311500	MS Word Beginning Provides practice in using basic word processing functions and features of MS Word.	1.00
1010312600	MS Excel Beginning Develops skills in using basic spreadsheet functions of MS Excel for business users.	1.00
1044910000	Industrial Safety Fundamentals Introduces general safety for a manufacturing environment while raising the awareness of the worker to the hazards around them, and how to best protect themselves while working safely. Students will earn an OSHA 30 card and confined space certificate upon completion.	2.00
1046212000	Basic Hydraulics for Industrial Mechanic Exposes the student to the theories and basic components of hydraulics. Basic component construction and operation is explored. The theory of function is supplemented by hands on disassembly and assembly of actual industrial components.	3.00
1046212500	Basic Pneumatics for Industrial Mechanic Exposes the student to the theories and basic components of pneumatics. Basic component construction and operation is explored. The theory of function is supplemented by hands on disassembly and assembly of actual industrial components.	3.00
1046212600	Industrial Electronic Concepts Introduces the student to basics of electricity needs by the industrial mechanic. Included are basic electrical theory, operation and use of the Volt-Ohm meter, AC and DC electric motors, motor controls and wiring, and applications as needed to install, operate, and control industrial machines.	3.00
Total Credits: 13.00		

Talk with an Academic Advisor about the program outline. Together, you will determine if credits you've already earned satisfy any requirements, discuss possible alternative courses, and choose the best classes if you're thinking of transferring.

AT A GLANCE

Flexible Options



ON CAMPUS

Term Start Dates

Fall 2019: September 4

Spring 2020: January 8

Summer 2020: May 8

Approximate Cost

\$1,744*

*Based on 10-level courses - materials, books, and fees may be additional

Median Annual Salary

\$37,502

\$39,125

\$37,357

Local

State

National

EMSI 2018.3

Get Started

Your application can be submitted online, it takes just a few minutes to complete.

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