

Industrial Mechanic

Industrial Mechanic I Certificate of Achievement

The Industrial Mechanic I Certificate program is modeled after local industry competency standards. The program includes study in the following areas: power transmission, hydraulics, pneumatics, centrifugal pumps, electrical theory and components for the industrial maintenance mechanic and industrial safety in manufacturing. This program prepares students for entry level positions in Industrial Maintenance Mechanic, Industrial Maintenance Technician, Process Maintenance Technician, Plant Maintenance Mechanic, and Building Maintenance Mechanic.

Upon successful completion of the program, students will be able to:

- demonstrate proficiency of safety principles required for industrial employment.
- demonstrate proficiency in basic electrical systems for industrial equipment.
- demonstrate proficiency in power transmission systems.
- demonstrate an understanding of industrial manufacturing.
- demonstrate an understanding of hydraulic and pneumatic systems.
- demonstrate an understanding of centrifugal pumps.
- demonstrate problem solving skills used in industrial manufacturing environments.

Course #	Title	Units
Required Core Courses		
MM 051A	Introduction to Industrial Mechanics	3
MM 051B	Mathematics for Machine Technology	3
MM 051C	Electrical for the Industrial Mechanic	3
MM 051D	Power Transmission System 1	3
MM 051E	Hydraulic and Pneumatic Systems 1	3
MM 051F	Pump Systems 1	3
MM 054	Welding Fundamentals	3
ITEC-015X.....	Occupational Work Experience.....	2
	Total	23

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2	
MM-051A.....	3	MM-051C.....	3
MM-051B.....	3	MM-051D.....	3
MM-054B.....	3	MM-054E.....	3
ITEC-0015X.....	1	MM-051F.....	3
	10	ITEC-0015X.....	1
			13