

INDUSTRIAL MACHINE/ MAINTENANCE TECHNOLOGY - CERT C

The Industrial Machine/Maintenance Technology program prepares individuals to apply technical knowledge and skills to repair and maintain industrial machinery and equipment such as pumps, electric motors, conveyor systems, production machinery, robotics and automation. Instruction includes electrical theory, wiring, motor controls, 3-Phase/Single Phase/DC motors, programmable logic controllers (PLC), hydraulics and pneumatics, mechanical systems, welding, machining, and robotics. Students also learn to read various types of schematic drawings. This program will offer students preparation to test for the industry-recognized credentials listed below.

Program Information

- Program Start (semesters): August; January
- Financial Aid available (for post-secondary students only): Yes
- Veteran Benefits Eligible (for post-secondary students only): Yes
- Industry-recognized credentials: OSHA-10 General Industry

Certificate Requirements

Code	Title	Hours
MAT 102	Technical Math II	3
IND 104	Basic Electricity I	3
IND 105	OSHA - 10 Hr Gen Industry Cert	1
IND 112	Fluid Power I	3
IND 116	Lathe/Mill/Grind for I.M.	3
IND 127	Mechanical Systems	3
IND 146	Industrial Welding Basics	3
IND 147	Mechanical Systems Reliability	3
IND 152	Electrical Control Systems I	3
IND 204	Electrical Control Systems II	3
IND 207	Fluid Power II	2
IND 213	Advanced ECS	3
IND 217	Indust Prog Logic Controllers	3
IND 223	Commercial & Industrial Wiring	3
IND 247	Industrial Process Control	3
IND 252	Robotics I	3
IND 256	Robotics II	3
Total Hours		48