

INDUSTRIAL MACHINE/ MAINTENANCE TECHNOLOGY - CERT A

The Industrial Machine/Maintenance Technology – Cert A program prepares individuals to apply technical knowledge and skills to repair and maintain industrial machinery and equipment such as pumps, electric motors, conveyor systems, and production machinery. Instruction includes electrical theory, wiring, motor controls, 3-Phase/Single Phase/DC motors, hydraulics and pneumatics, and mechanical systems. 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.

The Washburn Tech Industrial Machine/Maintenance Technology program is in alignment with the National Center for Education Statistics (NCES) CIP Code 47.0303: Industrial Mechanics and Maintenance Technology. A program that prepares individuals to apply technical knowledge and skills to repair and maintain industrial machinery and equipment such as cranes, pumps, engines and motors, pneumatic tools, conveyor systems, production machinery, marine deck machinery, and steam propulsion, refinery, and pipeline-distribution systems.

Program Information

- Program Start (semesters): August
- Industry-recognized credentials: OSHA-10 General Industry

Certificate Requirements

Code	Title	Hours
MAT 102	Technical Math II	3
GEN 102	Workplace Skills	2
IND 105	OSHA - 10 Hr Gen Industry Cert	1
IND 114	AC/DC Circuits	4
IND 118	Industrial Fluid Power	3
IND 119	Advanced Fluid Power	2
IND 127	Mechanical Systems	3
IND 147	Mechanical Systems Reliability	3
IND 152	Electrical Control Systems I	3
IND 204	Electrical Control Systems II	3
Total Hours		27