INDUSTRIAL MACHINE/ MAINTENANCE TECHNOLOGY - CERT C

The Industrial Machine/Maintenance Technology – Cert C 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, 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.

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
- 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
GEN 102	Workplace Skills	2
IND 118	Industrial Fluid Power	3
IND 114	AC/DC Circuits	4
IND 119	Advanced Fluid Power	2
IND 105	OSHA - 10 Hr Gen Industry Cert	1
IND 127	Mechanical Systems	3
IND 147	Mechanical Systems Reliability	3
IND 150	Industrial Pumps	2
IND 152	Electrical Control Systems I	3
IND 204	Electrical Control Systems II	3
IND 213	Advanced ECS	3
IND 217	Programmable Logic Controllers (PLC)	3
IND 223	Commercial & Industrial Wiring	3
IND 247	Industrial Process Control	3
IND 248	Prog Logic Controllers II	3
IND 252	Industrial Robotics	3
IND 256	Robotics II	4
Total Hours		**51**