INDUSTRIAL MACHINE/ MAINTENANCE TECHNOLOGY, AAS

The Industrial Machine/Maintenance Technology AAS degree 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.

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, technical coursework (semesters): August
- Industry-recognized credentials: OSHA-10 General Industry

Degree Requirements

In addition to the requirements stated below, students must complete all requirements for an Associate of Applied Science (https://catalog.washburn.edu/washburn-institute-technology/programs-technical-certificates-graduation-requirements/aas-degrees/) degree. Completion of the courses below will fulfill the general education requirements for the degree. Please see your advisor for more information.

Code	Title	Hours
Required Certificate		
Washburn Tech Industrial Machine/Maintenance Technology Certificate C		
Required General Education Courses		
EN 101	Introductory College Writing	3
MA 112	Contemporary College Mathematics (or higher)	3
At least 9 hours of additional general education courses from three of the following areas, and from at least three different disciplines:		9
Communications		
Natural Sciences		
Social Sciences		
Arts and Humanities		
Inclusion and Belonging		
Scientific Reasoning and Literacy		