

MACHINING & MANUFACTURING TECHNOLOGY, AAS

The Machining & Manufacturing Technology (previously known as Machine Tool Technology) AAS degree prepares individuals to apply technical knowledge and skills to plan, manufacture, assemble, test, and repair parts, mechanisms, and machines. Instruction includes technical information in blueprint reading, sketching, angles, tapers, gearing, and precision measuring; it also includes training in the operation of machine tools: engine lathes, milling machines, surface grinders, drill presses, computerized numerical control milling machines, and computerized numerical control lathes. This program will offer students preparation to test for the industry-recognized credentials listed below.

The Washburn Tech Machining & Manufacturing Technology program is in alignment with the National Center for Education Statistics (NCES) CIP Code 48.0501: Machine Tool Technology/Machinist. A program that prepares individuals to apply technical knowledge and skills to plan, manufacture, assemble, test, and repair parts, mechanisms, machines, and structures in which materials are cast, formed, shaped, molded, heat treated, cut, twisted, pressed, fused, stamped or worked.

Program Information

- Program Start, technical coursework (semesters): August
- Industry-recognized credentials: OSHA-10 General Industry; NC3 Starrett Certified

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 Machining & Manufacturing Technology Technical 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		