WELDING TECHNOLOGY, AAS

The Welding Technology AAS degree prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Instruction includes Shielded Metal Arc Welding (SMAW); Gas Metal Arc Welding (GMAW); Flux Cored Arc Welding (FCAW) and cutting processes. Related technical instruction also includes quality assurance and control, print reading, safety, and workplace skills.

The Washburn Tech Welding Technology program is in alignment with the National Center for Education Statistics (NCES) CIP Code 48.0508: Welding Technology/Welder. A program that prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards.

Program Information

- Program Start, technical coursework (semesters): August; January
- Industry-recognized credentials: AWS 1F; AWS 1G; AWS 2F; 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 Welding Technology Technical Certificate B or 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		