

HEATING, VENTILATION & AIR CONDITIONING (HVAC), AAS

The Heating Ventilation and Air Conditioning (HVAC) AAS degree presents technical training to students in the areas of electricity, heating, residential air conditioning, refrigeration, sheet metal fabrication, residential installation practices, HVAC troubleshooting skills, direct digital controls (DDC) & commercial HVAC applications. This program provides students with industry credentialing in the areas of refrigerant handling safety, job site safety, tool usage, residential HVAC and basic commercial HVAC. Foundational skills and principles learned in this program prepare students to work in the commercial and residential HVAC industry. This program will offer students preparation to test for the industry-recognized credentials listed below.

The Washburn Tech HVAC program is in alignment with the National Center for Education Statistics (NCES) CIP Code 47.0201: Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician. A program that prepares individuals to apply technical knowledge and skills to repair, install, service and maintain the operating condition of heating, air conditioning, and refrigeration systems. Includes instruction in diagnostic techniques, the use of testing equipment and the principles of mechanics, electricity, and electronics as they relate to the repair of heating, air conditioning and refrigeration systems.

Program Information

- Program Start, technical coursework (semesters): August
- Industry-recognized credentials: EPA 608; OSHA-10 Construction; Low GWP Refrigerant Safety; NCCER Core; NCCER HVAC Level I and II

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 Heating, Ventilation & Air Conditioning (HVAC) 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		