HEATING, VENTILATION, AND AIR CONDITION (HVAC)

Overview

Program Description
The Heating, Ventilation, and Air Conditioning Program prepares the student with entry-level skills required by employers in this industry.

It is industry focused, with the student having the opportunity to earn their EPA certification, plus ICE certification (Industry Competency Exams), administered by the Air Conditioning, Heating & Refrigeration Institute, located in Arlington, Virginia. ICE exams are supported by the Refrigeration Service Engineers Society (RSES), Air Conditioning Contractors of America (ACCA), Gas Appliance Manufacturer’s Association (GAMA), Plumbing, Heating and Cooling Contractors Association (PHCC), Heating, Air Conditioning & Refrigeration Distributors International (HARDI) and the Air Conditioning, Heating & Refrigeration Institute (AHRI).

The Heating focus of the program consists of education in job safety, soldering and brazing, basic electricity, forced air gas furnace service, hydronic service, air flow problems, duct sizing, and troubleshooting gas fired equipment. Performance testing after repairs is emphasized. State-of-the-art Simutech computer simulation programs are used along with live equipment in the lab.

The Air Conditioning focus of the program consists of basic refrigeration, refrigerant recovery training, principles of A/C operation, heat pumps, further air flow problems, analysis and troubleshooting the total system. Performance testing after repairs is emphasized. State-of-the-art Simutech computer simulation programs are used along with live equipment in the lab.

Contact Information
Office of Student Services
WCCC, Bishop B102
2508 Blichmann Avenue
970.255.2670

Programs of Study
Associates
• Heating Ventilation and Air Conditioning Technician (AAS)

Certificates
• HVAC: HVAC Fundamentals (TCT)