

HVAC: Skills & Proficiencies / Career Opportunities

Graduates of the HVAC Technology program will be able to:

- Refrigeration system operation and servicing
- Residential air conditioning installation and repair
- Gas furnace and electric heating system service
- HVAC electrical controls and wiring
- Advanced troubleshooting and diagnostics
- Refrigerant recovery and EPA compliance
- Reading wiring diagrams and technical manuals
- Electrical measurements and circuit analysis
- Airflow measurement and system balancing
- Heat load calculations and equipment sizing
- Startup and commissioning procedures
- Preventive maintenance practices
- Use of HVAC diagnostic instruments
- Workplace safety and OSHA-compliant practices
- Customer service and professional communication

Career Opportunities

Graduates may pursue employment as:

- HVAC Technician
- Residential Service Technician
- HVAC Installer
- Refrigeration Technician
- Maintenance Technician
- Controls Technician
- Building Maintenance Specialist
- Commercial HVAC Apprentice
- Facilities Maintenance Technician
- HVAC System Startup Technician

The HVAC Technology program combines classroom instruction with extensive hands-on laboratory training to prepare students for successful careers in the growing heating, ventilation, air conditioning, and refrigeration industry.