

Career Major:

Residential Heating, Ventilation, and Air Conditioning Installer



Pathway:
Construction

Cluster:
Architecture & Construction

Career description:

Installs, services, and repairs air conditioning and heating systems in residences. Assembles, positions, and mounts equipment. Installs auxiliary components to heating-cooling equipment such as air ducts, pipes, and blowers. Installs, connects, and adjusts thermostats, humidistat, and timers, using hand tools. Lays out and connects electrical wiring between controls and equipment accordingly. Fabricates, assembles, and installs duct work.

Courses:

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| • Piping and Piping Practices | • Principles of Thermodynamics & Heat Transfer |
| • Refrigerants and Lubricants | • HVAC/R System Installation and Start-up-Residential |
| • Refrigerant Recovery | • HVAC/R Preventive Maintenance |
| • Refrigerant Retrofits | • HVAC/R Codes, Regulations and Standards |
| • Air Handling | • Workforce Staging |
| • Indoor Air Quality | • Workforce Connection |
| • Professional Service | • Introduction to Air Conditioning:
Safety, Tools, and Equipment |
| • Load Calculations | |

AVERAGE SALARY

\$34,750/year

Program Length:

615 hours

Who Can Attend:

High school students or adults

Schedules Available:

Morning class: 8:10-11:00 am
Afternoon class: 12:40-3:30 pm

FULL-TIME STUDENTS:
Attend both sessions.

Additional Career Majors In This Pathway:

- Residential Heating, Ventilation, and Air Conditioning Technician

Entrance Requirements:

If you are a high school student, please contact your high school counselor about enrollment. Prospective adult students should contact a Meridian career counselor for enrollment information.

Tuition:

Tuition is free for students enrolled in one of our district high schools. Students can attend during their junior and senior years or during their senior year and the year following graduation. Scholarships are available to qualified applicants who graduate from one of our district high schools if they enroll within two years of graduation. Adult tuition is based on the number of hours in the chosen career major. A Meridian career counselor will be able to provide more information.

College Credit:

College credit is available for this career. Please contact a Meridian career counselor for more information.

Licensure/Certification:

In addition to certification from Meridian, students can obtain an apprentice license and refrigerant handling certification through this program. For more information about licensing in Oklahoma, please see the *Oklahoma Licensed and Certified Occupations* publication at: www.oesc.state.ok.us.