

AIR CONDITIONING, HEATING, & REFRIGERATION TECHNOLOGY

Options: **Associate of Applied Science Degree / Technical Certificate**

The Air Conditioning, Heating, and Refrigeration Technology (HVAC) program includes courses in electricity, motors, residential and commercial refrigeration, heating, and air conditioning. Students will learn to install, service, and repair air conditioning and heating units in homes, schools, and commercial and industrial businesses.

Air conditioning, heating, and refrigeration systems consist of many mechanical, electrical, and electronic components, including motors, compressors, pumps, fans, ducts, pipes, thermostats, and switches. Our HVAC graduates will be able to maintain, diagnose, and correct problems throughout an entire system, including modern industry challenges such as energy audits, green principles, and energy efficiency. Students follow blueprints, design specifications, and manufacturer's instructions to install motors, compressors, condensing units, evaporators, piping, and other components all while using the newest technology.

Students receive extensive hands-on experience, including servicing more than 100 units on campus.

COURSES INCLUDE BUT ARE NOT LIMITED TO:

- Basic Welding
- Commercial Refrigeration
- Energy Audit
- First Aid/HSE
- Fundamentals of Electricity
- Heating Technology
- Introduction to Air Conditioning and Refrigeration
- Motors and System Controls
- Piping and Load Calculations
- Professional Development
- Refrigeration Systems and Components
- Schematics
- Service, Maintenance, and Troubleshooting
- Understanding OSHA Regulations Basic

After UACCM

GRADUATES ARE EMPLOYED AS:

- Residential repair technicians
- Commercial refrigeration technicians
- Energy auditors
- Controllers
- Refrigeration and maintenance technicians in manufacturing or industrial plants and hospitals

ARKANSAS WAGES:

HVAC REFRIGERATION MECHANICS AND INSTALLERS :

Average Annual Wage: **\$38,720**

EXAMPLES OF POTENTIAL EMPLOYERS:

Residential and commercial air conditioning companies, Baptist Medical Center, Carrier Air Conditioning, ConAgra, Freyaldenhoven Heating & Cooling, Henry Management, Inc., Middleton Heat & Air, Powers, Snider Electrical, TRANE Air Conditioning, and Tyson Foods



Looking for a way to pay your tuition and fees? This program is one of the qualifying certificate or degree programs for the Arkansas Future Grant. Visit scholarships.adhe.edu/scholarships/detail/arfuture to learn more and to apply.