

AIR CONDITIONING, HEATING & REFRIGERATION TECHNOLOGY

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

Topics include mechanical refrigeration, heating and cooling theory, electricity, controls, and safety. The diploma program covers air conditioning, furnaces, heat pumps, tools and instruments. In addition, the AAS degree covers residential building codes, residential system sizing, and advanced comfort systems.

Diploma graduates should be able to assist in the start-up, preventive maintenance, service, repair, and/or installation of residential and light commercial systems. AAS degree graduates should be able to demonstrate an understanding of system selection and balance and advanced systems.

Programs

- Air Conditioning, Heating, and Refrigeration Technology Degree (<https://courseleaf.johnstoncc.edu/programs/construction-technologies/air-conditioning-heating-refrigeration-technology/air-conditioning-heating-refrigeration-technology-degree/>)
- Air Conditioning, Heating, and Refrigeration Technology Diploma (<https://courseleaf.johnstoncc.edu/programs/construction-technologies/air-conditioning-heating-refrigeration-technology/air-conditioning-heating-refrigeration-technology-diploma/>)
- Basic Heating/Cooling Certificate (<https://courseleaf.johnstoncc.edu/programs/construction-technologies/air-conditioning-heating-refrigeration-technology/basic-heating-cooling-certificate/>)
- Building Code & Design Certificate (<https://courseleaf.johnstoncc.edu/programs/construction-technologies/air-conditioning-heating-refrigeration-technology/building-code-design-certificate/>)
- Commercial Building Automation Certificate (<https://courseleaf.johnstoncc.edu/programs/construction-technologies/air-conditioning-heating-refrigeration-technology/commercial-building-automation-certificate/>)
- Essentials of HVAC/R Certificate (<https://courseleaf.johnstoncc.edu/programs/construction-technologies/air-conditioning-heating-refrigeration-technology/essentials-hvacr-certificate/>)
- Fundamentals of HVAC Certificate (<https://courseleaf.johnstoncc.edu/programs/construction-technologies/air-conditioning-heating-refrigeration-technology/fundamentals-hvac-certificate/>)