

AIR CONDITIONING AND REFRIGERATION

Division: Career Technical Education

Air Conditioning and Refrigeration

Air Conditioning & Refrigeration is a cool career with many avenues for specialization within the industry. This two-year program is designed to equip you with the basic skills for industry entry-level positions in service, design, controls application, sales and more.

The Air Conditioning, Heating and Refrigeration industry provides essential technology services for the control of environments ranging from the comfort of people to the storage of essential products to the process of manufacturing goods used in everyday life.

A career in Air Conditioning and Refrigeration offers a variety of industry paths leading to greater job security and mobility of skills. With the Cypress College educational experience, you can enter this industry in areas of applied engineering, sales, estimating and design, service repair, construction, building automation and manufacturing. These industry job opportunities are rapidly expanding to accommodate the age of digital technologies interfacing with electromechanical and pneumatic technologies already in extensive use.

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- Commercial Air Conditioning Certificate
- Commercial Refrigeration Certificate
- Heat Pump Certificate
- HVAC Automated Environmental Controls Certificate
- HVAC Building Commissioning Certificate
- HVAC Codes and Estimating Certificate

At Cypress College, there are Department Program Student Learning Outcomes and Degree & Certificate Program Student Learning Outcomes.

Department Program Student Learning

Outcomes:

The courses taught by this department contribute to the following ISLO/PSLOs: A-Breadth of Knowledge, Competencies, and Skills, B-Communication Skills, C-Critical Thinking, Problem Solving, and Information Competency Skills, and D-Personal, Academic, and Professional Development; specifically, the following ISLO/PSLO subcategories: A1-Career Technical Education, B1-Reading, B2-Writing, B3-Communicating, B4-Presenting, C1-Analysis, C2-Computation, C3-Research, C4-Problem Solving, C5-Technology, D1-Personal Responsibility, and D2-Global Citizenship.

Degree & Certificate Program Student Learning

Outcomes:

The program student learning outcomes for each award can be found on the specific degree or certificate page.

Division Website: Career Technical Education

- Air Conditioning and Refrigeration Associate in Science Degree
- Air Conditioning and Refrigeration Certificate
- Air Conditioning and Refrigeration Project Management Certificate
- Air Conditioning Customer Service Certificate
- Automated Building Controls Associate in Science Degree