

# COMMERCIAL AIR CONDITIONING CERTIFICATE

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**PROGRAM CODE:** 1C31186

Financial Aid Eligible

The **Commercial Air Conditioning Certificate** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career in commercial building air conditioning. Students completing this certificate will develop an advanced understanding of commercial building air conditioning. To earn this certificate, complete the required courses as listed with a grade of C or better. At least 50% of all major course work must be completed at Cypress College. This certificate requires a total of 20 units.

| Code   | Title   | Units     |
|--|---|-----------|
| <b>Required courses are listed in suggested sequence (20 units):</b> |   |           |
| AC/R 100 C   | Principles of Thermodynamics and Heat Transfer        | 3         |
| AC/R 110 C   | Air Flow Design & Pscymtrcs                           | 2         |
| AC/R 120 C   | Piping Prac-Tools and Safety                          | 3         |
| AC/R 105 C   | Electricity for Air Conditioning and Refrigeration I  | 3         |
| AC/R 115 C   | Gas Heat Transfer Systems                             | 3         |
| AC/R 106 C   | Electricity for Air Conditioning and Refrigeration II | 3         |
| AC/R 205 C   | Commercial Air Conditioning                           | 3         |
| <b>Total Units</b>   |   | <b>20</b> |

## Program Student Learning Outcomes:

**OUTCOME 1:** Acquire the workforce preparation skills, including heating applications, service procedures and safety, necessary for pursuing a career in commercial building air conditioning.

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[https://www.curricUNET.com/Cypress/reports/program\\_report.cfm?programs\\_id=1581](https://www.curricUNET.com/Cypress/reports/program_report.cfm?programs_id=1581)