

GOALS AND OBJECTIVES

The Commercial Refrigeration Certificate provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career in Commercial Refrigeration. Students completing this certificate will develop an advanced understanding of commercial refrigeration.

CERTIFICATE

Commercial Refrigeration (21.5-22 units)


To earn this certificate, complete the required courses as listed with a minimum grade of "C." At least 50% of all major course work must be completed at Cypress College.

CERTIFICATE

Air Conditioning Codes And Estimating Certificate = 23 units

Program Code: 1C31171

Required courses are listed in numeric sequence:		Units
_____AC/R 100 C	Principles of Thermodynamics and Heat Transfer	3
_____AC/R 120 C	Piping Practice, Tools and Safety	2
_____AC/R 036 C	Refrigerants, Charging and Recovery	1
_____AC/R 137 C	Blueprints and Dimension Analysis	2
_____AC/R 050 C	HVAC-R Special Projects	5-1
_____AC/R 105 C	Electricity for Air Conditioning and Refrigeration I	3
_____AC/R 106 C	Electricity for Air Conditioning and Refrigeration II	3
_____AC/R 135 C	Solar Energy for Heat and Cool	2
_____AC/R 145 C	Load Calculations for Heating and Cooling	2
_____AC/R 210 C	Commercial Refrigeration	3
Total Units Required		21.5-22

 **Key Tips:** You may opt to “double major” by applying some of these courses to other **Air Conditioning & Refrigeration Degree/Certificate Programs**. Remember to apply for certificates/degrees/graduation at the beginning of your last semester.