

GOALS AND OBJECTIVES

The **Codes and Estimating Certificate** provides students with a career path for attaining the communication skills, practical knowledge, and technical training necessary for pursuing a career in building codes and cost estimating. Students completing this certificate will develop an advanced understanding of building codes and cost estimating.

CERTIFICATE

Air Conditioning Codes And Estimating (23 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: 1C31106

Required courses are listed in numeric sequence:		Units
_____AC/R 137 C	Blueprints and Dimension Analysis	2
_____AC/R 036 C	Refrigerants, Charging and Recovery	1
_____AC/R 100 C	Principles of Thermodynamics and Heat Transfer	3
_____AC/R 110 C	Air Conditioning I	3
_____AC/R 105 C	Electricity for Air Conditioning and Refrigeration I	3
_____AC/R 115 C	Gas Heating and Carbon Monoxide	2
_____AC/R 125 C	Boiler and Hydronic Heating	2
_____AC/R 135 C	Solar Energy for Heat and Cool	2
_____AC/R 145 C	Load Calculations for Heating and Cooling	2
_____AC/R 215 C	Codes and Estimating for HVACR	<u>3</u>
Total Units Required		23

 **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.