

HEATING, VENTILATION, A/C, REFRIGERATION

Residential Comfort Systems Certificate

This 19 credit-hour certificate program focuses on residential comfort systems and installation. In addition to learning maintenance and repairs of residential heating and cooling systems, the certificate is designed to provide the students the basic concepts of duct design, sheet metal fabrication and equipment selection to improve indoor air quality. Emphasis is placed on the planning, installation and start up procedure of residential HVAC systems.

Required:

Number	Course Title	Credits
ELT 110	Introductory Electronics	4
HVA 101	Refrigeration Fundamentals	3
HVA 103	Heating Principles	3
HVA 104	Residential Comfort Systems	3
HVA 105	Heating and Cooling Controls	3
MTH 097	Basic Technical Mathematics ¹	3

¹ Students may take MTH 097 or MTH 101 or higher.