

RESIDENTIAL COMFORT SYSTEMS INSTALLER CERTIFICATE

25 Semester Credit Hours: Curriculum: 0066

This certificate prepares students to install, evaluate performance, conduct energy analysis, and perform required services for residential heating and air conditioning equipment. Graduates can seek employment with HVAC contractors or in maintenance department of a larger facility.

Code	Title	Hours
Courses for a Certificate		
AHR 101	Introduction to Air Conditioning and Refrigeration	4
AHR 102	Heating	4
AHR 103	Sheet Metal Layout and Fabrication	4
AHR 104	Introduction to Electricity and Automatic Controls	4
AHR 105	EPA Section 608 Certification	1
AHR 202	Air Conditioning II – Split System	4
AHR 208	Advanced Automatic Controls	4
Total Hours		25

Program Learning Outcomes

1. Support existing ducts, turn off gas line and electricity, remove old furnace safely and carry it out from the house.
2. Identify the needs for new installation.
3. Install system as required by codes of warm air heating, hot water boiler and air conditioning.
4. Install gas lines, refrigeration lines, and basic wiring needed to install new systems.