

Certificate

RESIDENTIAL HEATING, VENTILATION, AND AIR CONDITIONING SERVICE TECHNICIAN (HVAC)

Private residence and local businesses need the services of skilled technicians trained in the installation, maintenance, and repair of air conditioning, refrigeration, and heating systems. The Residential HVAC Service Technician certificate at HGTC prepares graduates for employment as an installation specialist, service technician, service manager, or sales representative in the residential and/or light commercial heating, air-conditioning and refrigeration service industry. The essentials of the mechanical and electrical systems of contemporary air-conditioning, heating and refrigeration systems are addressed throughout the program through extensive course work and hands-on lab experience. This program is approved by the local HVAC industry through a program advisory committee.

Required Courses

Residential HVAC Service Technician Requirements

CERTIFICATE REQUIREMENTS: RESIDENTIAL HVAC SERVICE TECHNICIAN		
Component	Course Title	Semester Credit Hours
ACR 102	Tools and Service Techniques	3
ACR 106	Basic Electricity for HVAC/R	4
ACR 108	Refrigeration Fundamentals	3
ACR 110	Heating Fundamentals	4
ACR 118	Air Conditioning Fundamentals	3
ACR 140	Automatic Controls	3
ACR 160	Service Customer Relations	3
ACR 206	Advanced Electricity for HVAC/R	2
ACR 210	Heat Pumps	4
ACR 250	Duct Fabrication	3
	CREDITS	32
	TOTAL CREDIT HOURS	32