

**Title: HEATING, AIR CONDITIONING, VENTILATION AND REFRIGERATION MAINTENANCE
TECHNOLOGY/TECHNICIAN**

Code: 47.0201

Career Cluster: Architecture & Construction

Certification Required	Certification Method	Occupational Competency Area	Occupational Competency Evaluation
Vocational-Intern/ Instructional 2600	Vocational-Instructional (non-degree program)	Air Conditioning 2010	HVAC Maintenance Technology PA

Description: An instructional program that prepares individuals to apply technical knowledge and skills to install, repair and maintain commercial and domestic heating, air conditioning and refrigeration systems. Instruction includes theory and application of basic principles involved in conditioning of air (cooling and heating); filtering and controlling humidity; operating characteristics of various units and parts; blueprint reading; use of technical reference manuals; the diagnosis of malfunctions; overhaul, repair and adjustment of units and parts such as pumps, compressors, valves, springs and connections; and repair of electric/electronic and pneumatic control systems.

Notes: The following certificates are no longer issued but remain valid for teaching in this program:
Air Conditioning & Refrigeration 2001
Heating 2040