



# HVACR INSTALLERS, CERTIFICATE - HVA6

The certificate will enable students to gain entry level skills for HVACR equipment installation. This certificate will enable students to accelerate their progression to the HVACR Technician career track.

## Requirements

Courses	Course Title	Credit Hours
<b>Required Course Information</b>		
ACR 101	Fundamentals of Refrigeration	5
ACR 105	Tools and Service Techniques I	1
ACR 106	Basic Electricity for HVAC/R	4
ACR 109	Tools and Service Techniques II	2
ACR 131	Commercial Refrigeration	4
ACR 140	Automatic Controls	3
ACR 150	Basic Sheet Metal	2
Subtotal		21
Total Hours		21

## Graduation Plan

### Fall Start

Course	Title	Hours
<b>First Year</b>		
<b>Fall Semester</b>		
ACR 101	Fundamentals of Refrigeration	5
ACR 105	Tools and Service Techniques I	1
ACR 106	Basic Electricity for HVAC/R	4
ACR 150	Basic Sheet Metal	2
Hours		12

### Spring Semester

ACR 109	Tools and Service Techniques II	2
ACR 131	Commercial Refrigeration	4
ACR 140	Automatic Controls	3
Hours		9
Total Hours		21

## Application and Advising

If you are ready to start your education, there are a few simple steps involved in enrolling at Piedmont Technical College.

Get Started Today (<https://www.ptc.edu/admissions/new-students/>)

## Advising Information

The following information provides a guide for advisors who are helping students enroll in this program.

## Program Notes

Student may start this program during the fall or spring terms.

Courses are offered during day and evening hours

Top-quality tools, meter and gauges, which are required for this program, will cost \$500 - \$700. There is a list at the bookstore, or you can contact Bill Cockrell for more information.

## Program Student Learning Outcomes

### Purpose Statement

The HVACR Installers program is dedicated to assisting adult learners in the development of the skills and knowledge necessary to support students' educational goals for employment and professional growth in the installation field.

### Student Learning Outcomes

1. Install, repair and service most light commercial refrigeration systems.
2. Use a wiring schematic in troubleshooting most air conditioning, heating, and refrigeration systems.
3. Install and service most residential air conditioning systems.
4. Use most of the tools and meters associated with the air conditioning and refrigeration industry.
5. Construct and install most air conditioning and ventilation duct systems.
6. Interpret pressure/temperature readings associated with most types of air conditioning and refrigeration systems.
7. Apply safety rules and regulations when working.
8. Acquire EPA 608 certification.