

# HEATING, VENTILATION, AIR-CONDITIONING/ REFRIGERATION (HVAC/R), CLOCK HOUR CERTIFICATE

**Program Code:** AIR3  
**Meta-Major:** INMC  
**Location(s):** Cocoa  
**Delivery Method(s):** On-Campus  
**Previous Degree Required:** HS Diploma  
**Eligible for Financial Aid:** Yes  
**Additional Limited Access Application Process Required:** Yes  
**Program Testing Requirements:** TABE - Test of Adult Basic Education  
**Classification of Instructional Programs (CIP) Code:** 15.0501  
**Florida Department of Education CIP Code:** 0615050110

This certificate program gives completers employment opportunities as paraprofessionals in installation, service, and repair by mechanical and refrigeration contractors, dealers, and related commercial businesses. Students will study basic refrigeration, electrical circuitry, load calculations, and residential systems.

[Visit the program page for more details and how to apply](#) or call (321) 433-5771.

## Certificate Requirements

Code	Title	Clock Hours
<b>Completion Group 1</b>		
ACR 0106	Electricity for HVAC Single Phase	150
ACR 0122	Refrigeration and Air Conditioning Components	150
ACR 0704	Introduction to Heating, Ventilation, Air Conditioning, and Refrigeration	150
<b>Completion Group 2</b>		
ACR 0061	Psychrometrics Calculations	90
ACR 0107	Electrical Circuitry for HVAC	90
ACR 0602	Heat Pump Technology	150
ACR 0608	Residential Heating Systems	120
<b>Completion Group 3</b>		
ACR 0022	Domestic Refrigeration	90
ACR 0060	Residential Load Calculations	90
ACR 0701	HVAC Troubleshooting and Repair	150
ACR 0705	Mechanical Systems	120
<b>Total Clock Hours</b>		<b>1350</b>

## Learning Outcomes: Air Conditioning / HVAC CTC

- Distinguish different types and uses of electricity related to HVAC
  - Supports Core Ability: *Communicate Effectively*
- Identify various materials required for copper tubing connection
  - Supports Core Ability: *Process Information*
- Perform effective soldering and brazing techniques.
  - Supports Core Ability: *Think Critically and Solve Problems*

- Demonstrate proper use of test gauges.
  - Supports Core Ability: *Process Information*
- Demonstrate proper use & handling of refrigerant recovery system.
  - Supports Core Ability: *Model Ethical and Civic Responsibility*