

# HVAC Programs: 27 – 57 credit hours



## ABOUT

The primary mission of the HVAC/R program is to provide the necessary training to prepare students for a successful career in the field of HVAC/R with a goal of business owner or service manager. The HVAC/R program is accredited by the Committee on HVAC Excellence and includes a study of air conditioning, heating, and refrigeration for residential, commercial, and industrial equipment. Along with receiving instruction, students are trained to be HVAC technicians in a hands-on lab environment. Students are offered the opportunity to earn the EPA 608 license, EPA 410A, NATE, and ESCO certifications.

## PROGRAMS

Certified HVAC Technician, CTS; 27 credit hours  
Master HVAC/R Technician, TD; 57 credit hours

## PROGRAM ADMISSION

Students in the Master HVAC/R Technician program must be **eligible for** (completion not required) ENGL 099, MATH 098 and READ 072.

## CAMPUS

Jefferson and Sidney Collier Sites

## CAREER INFORMATION

**Outlook:** 11% increase in jobs by 2026

**LA Star Rating:** 5-stars

**Salary:** \$43,888/year or \$21.10/hour

## ACADEMIC ADVISOR

**Monecia Moody-Johnson**

mmoody@dcc.edu

**Jefferson Site:** Mondays, Thursdays & Fridays  
(504) 671-6792

**Sidney Collier Site:** Tuesdays & Wednesdays  
(504) 941-8560

## FINANCIAL AID ADVISOR

**Marla Garrity**, mgarri@dcc.edu

## PROGRAM CONTACT

**Kenneth Ripberger**

Department Chair, Jefferson Site  
504.671.6727 | kripbe@dcc.edu

**Ryland Burghardt**

Lead Instructor, Sidney Collier Site  
504.941.8536 | rburgh@dcc.edu

## PROGRAM SEQUENCE

### Semester 1\*

ADOT 105 Survey of Computer Apps.	3-0-3/45
HACR 121 Electrical Fundamentals	3-1-3/60
HACR 115 Bldg. Code and Licensing	3-0-3/45
HESC 102 First Aid	3-0-3/45
TECH 101 NCCER Technical Core	3-3-3/90

### Semester 2

HACR 116 Tubing, Fabrication, and Fitting	2-2-3/60	<i>Pre-Requisite: TECH 101</i>
HACR 117 Principles of Refrigeration	3-2-4/75	<i>Pre-Requisites: TECH 101 &amp; HACR 116 (HACR 116 may be taken concurrently)</i>
HACR 153 Residential System Design	4-1-4/75	
HACR 222 Electrical Components and Motors	3-2-4/75	<i>Pre-Requisite: HACR 121</i>

### Exit: Certified HVAC Technician, CTS

### Semester 3

HACR 251 Theory of Residential Air Conditioning	3-0-3/45	<i>Pre-Requisites: HACR 121, 116, 117, &amp; 222</i>
HACR 252 Residential A/C: Theory & Practice	2-3-3/75	<i>Pre-Requisites: HACR 121, 116, 117, 222, &amp; 252 (HACR 252 may be taken concurrently)</i>

HACR 281 Intro to Commercial A/C	2-2-3/60	<i>Pre-Requisites: HACR 116, 117, 121, &amp; 222</i>
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HACR 291 Intro to Commercial Refrigeration	2-2-3/60	<i>Pre-Requisites: HACR 116, 117, 121 &amp; 222</i>
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### Semester 4

HACR 157 Building Science for HVAC	2-0-2/30
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HACR 158 Building Engineering Hydronics	4-1-4/75
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HACR 254 Residential Gas Heating	2-2-3/60	<i>Pre-Requisites: HACR 116, 121, &amp; 222</i>
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HACR 256 Residential Heat Pumps	2-2-3/60	<i>Pre-Requisites: HACR 116, 117, 121, &amp; 222</i>
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ACCT 111 Fundamentals of Accounting <u>OR</u>	
BUSG 115 Starting a New Business	

*\*When registering Semester 1 courses, enter ADOT 105 first since it is a co-req. This will allow you to add the additional courses.*