

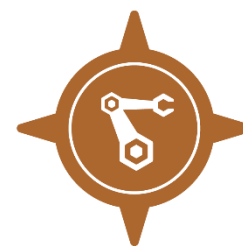
**INDUSTRY, MANUFACTURING AND CONSTRUCTION**

**GUIDED PATHWAY: AIR CONDITIONING AND REFRIGERATION TECHNOLOGY– RESIDENTIAL - TECHNICIAN III LEVEL II CERTIFICATE**

For more information, visit [www.dcccd.edu/ACR](http://www.dcccd.edu/ACR) and your academic advisor at Cedar Valley or Eastfield College.

This is an example course sequence for students interested in pursuing a Residential – Technician III Level II Certificate within the Air Conditioning and Refrigeration Technology program. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn the Residential – Technician III Level II Certificate<sup>2</sup>. Courses from this certificate may apply to the related AAS degree. For official certificate requirements, [click here](#).

Courses that complete the Residential – Technician III Level II (RC2) Certificate are noted below.



  
ONLY Offered at  
CVC & EFC

**COLLEGE READINESS REQUIREMENTS (only for the RC2 Certificate)**

Enrolling in one or more courses may be necessary if assessment activities and previous academic experiences indicate a need for additional knowledge and skills:

**READING & WRITING PLACEMENT**

TSI MET: YES NO

IF NO, ADVISOR INSERT COURSE(S) NEEDED

- DREA / DWRI / DIRW (CIRCLE ONE) \_\_\_\_\_  
 OTHER: \_\_\_\_\_

**MATH PLACEMENT**

TSI MET: YES NO

IF NO, ADVISOR INSERT COURSE(S) NEEDED

- DMAT \_\_\_\_\_  
 OTHER: \_\_\_\_\_

**ENGLISH LANGUAGE PROFICIENCY**

PROFICIENCY MET: YES NO

IF NO, ADVISOR INSERT COURSE(S) NEEDED

- ESOL \_\_\_\_\_  
 OTHER: \_\_\_\_\_

Exemptions/waivers may exist. Speak with an academic advisor regarding placement in college readiness courses and your ability to enroll in core academic coursework.

**SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS<sup>3</sup>**

All maps can be modified to fit the needs of part-time students

RC2	SEMESTER 1	ACTION ITEMS
♦	HART 1401 – Basic Electricity for HVAC <sup>^</sup>	<input type="checkbox"/> Meet with an advisor to confirm academic and career goals before the end of the semester. <input type="checkbox"/> Meet with a career advisor or coach to research your career options and opportunities for job shadowing.
♦	HART 1403 – Air Conditioning Control Principles	
♦	HART 1407 – Refrigeration Principles <sup>^</sup>	
	<b>Select Any Two Courses from the 3 Categories:</b>	
♦	CATEGORY I: <sup>C</sup> ENGL 1301 – Composition I CATEGORY II: <sup>C</sup> SPCH 1311 – Introduction to Speech Communication CATEGORY II: <sup>C</sup> MATH Elective*	

**TOTAL SEMESTER CREDIT HOURS: 18**

RC2	SEMESTER 2	ACTION ITEMS
♦	HART 1441 – Residential Air Conditioning	<input type="checkbox"/> Meet with your advisor to: <ul style="list-style-type: none"> <li>○ Request an official program of study audit, confirm or update your academic/career path and program of study.</li> <li>○ Apply for the Residential – Technician I (RC1) Certificate Completion.</li> </ul>
♦	HART 1445 – Gas and Electric Heating	
♦	HART 2449 – Heat Pumps	
♦	Elective+	

**TOTAL SEMESTER CREDIT HOURS: 15**

RC2	SEMESTER 3	ACTION ITEMS
♦	HART 2438 – Air Conditioning Installation and Startup	<input type="checkbox"/> Meet with a career advisor or coach for assistance in preparing for job search. <input type="checkbox"/> After reviewing your degree plan and program of study, meet with your advisor to apply for the Residential – Technician III (RC2) Level II Certificate.
♦	HART 2445 – Residential Air Conditioning Systems Design	
♦	HART 2436 – Air Conditioning Troubleshooting	
♦	Elective+	

**TOTAL SEMESTER CREDIT HOURS: 15**

**CERTIFICATE MINIMUM: 48 SEMESTER CREDIT HOURS | PATHWAY TOTAL: 48 SEMESTER CREDIT HOURS**

<sup>1</sup> Degree plans may change in later catalogs. You may use this pathway if you entered one of the seven colleges on or before this date.  
<sup>2</sup> Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by the DCCCD college awarding the certificate.  
<sup>3</sup> This is not an official degree plan. For official certificate requirements, [click here](#).  
<sup>\*</sup> There are several options to fulfill this requirement. See your academic advisor for a specific list.  
<sup>C</sup> This course counts for the Core Curriculum at any public college or university in Texas.  
<sup>^</sup> Course is taught in a 5-week format.  
<sup>+</sup> Must select Elective course from the following:  
 1. Any 3 credit-hour HART course not previously identified as part of the award pattern. **OR**  
 2. Any 3 credit-hour course from: ACNT 1303, BUSI 1301, COSC 1301, SPAN 1300

THIS PATHWAY WAS LAST UPDATED APRIL 10, 2019