

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 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 ⁱⁱ. 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 READING MET: YES NO

TSI WRITING MET: YES NO

MATH PLACEMENT

TSI MATH MET: YES NO

ENGLISH LANGUAGE PROFICIENCY

ENGLISH PROFICIENCY: YES NO

IF TSI OR ENGLISH LANGUAGE PROFICIENCY NOT MET, INSERT COURSE(S) NEEDED

DREA / DWRI / DIRW (CIRCLE ONE) _____

DMAT _____

ESOL _____

OTHER: _____

OTHER: _____

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 ⁱⁱⁱ
ALL MAPS CAN BE MODIFIED TO FIT THE NEEDS OF PART-TIME STUDENTS

RC2	SEMESTER 1	ACTION ITEMS
◆	HART 1401 – Basic Electricity for HVAC ^{iv}	<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 ^{iv}	
◆	Select Any Two Courses from the 3 Categories: CATEGORY I: ENGL 1301 – Composition I (core course) CATEGORY II: SPCH 1311 – Introduction to Speech Communication (core course) CATEGORY III: MATH Elective ^v (core course)	
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"> ○ Request an official program of study audit, confirm or update your academic/career path and program of study. ○ Apply for the Residential – Technician I (RC1) Certificate Completion.
◆	HART 1445 – Gas and Electric Heating	
◆	HART 2449 – Heat Pumps	
◆	Elective ^{vi}	
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 ^{vi}	
TOTAL SEMESTER CREDIT HOURS: 15		

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

ⁱ 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.
ⁱⁱ Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by the DCCCD college awarding the certificate.
ⁱⁱⁱ This is not an official degree plan. For official certificate requirements, [click here](#).
^{iv} Course is taught in a 5-week format.
^v There are several options to fulfill this requirement. See your academic advisor for a specific list.
^{vi} Must select Elective course from the following: Any 3 credit-hour HART course not previously identified as part of the award pattern.

OR
Any 3 credit-hour course from: ACNT 1303, BUSI 1301, COSC 1301, SPAN 1300

THIS PATHWAY WAS LAST UPDATED JULY 30, 2019