

GUIDED PATHWAY: RESIDENTIAL – TECHNICIAN I CERTIFICATE

MANUFACTURING and INDUSTRIAL TECHNOLOGY CAREER PATH



For more information, visit the [Dallas College Air Conditioning and Refrigeration webpage](http://www.dcccd.edu/ACR) [www.dcccd.edu/ACR] and your academic advisor at your campus.

This is an example course sequence for students interested in pursuing a Residential – Technician I 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 a Residential – Technician I Certificate. Students must earn at least 25% of the credit hours required for graduation through instruction by Dallas College. See catalog for [official certificate requirements](#). Courses that complete the certificate are noted below.

Students pursuing this certificate are waived from the [Texas Success Initiative \(TSI\)](#) standards, but must meet course prerequisites.

Catalog Year	2020-2021	You may use this pathway if you entered Dallas College on or before this date.
Degree Type	Level I Certificate	
GPA Requirement	Student must earn a GPA of 2.0 or higher	
TSI	May be Exempt	

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

All plans can be modified to fit the needs of part-time students. This is not an official degree plan. See catalog for [official certificate requirements](#).

CERTIFICATE MINIMUM: 24 SEMESTER CREDIT HOURS

SEMESTER 1 Total Hours: 12

[HART 1401](#) – Basic Electricity for HVAC *Course is taught in a 5-week format.*
[HART 1403](#) – Air Conditioning Control Principles *Course is taught in a 5-week format.*
[HART 1407](#) – Refrigeration Principles *Course is taught in a 5-week format.*

SEMESTER 1 ACTION ITEMS

1. Meet with your advisor to confirm academic and career goals before the end of the semester.
2. Request an official program of study audit and confirm or update your academic/career path and program of study
3. Meet with a career advisor or coach to research your career options and opportunities for job shadowing.

SEMESTER 2 Total Hours: 12

[HART 1441](#) – Residential Air Conditioning
[HART 1445](#) – Gas and Electric Heating
[HART 2449](#) – Heat Pumps

SEMESTER 2 ACTION ITEMS

1. Meet with your advisor to Apply for the Residential–Technician I Certificate.

PATHWAY TOTAL: 24 SEMESTER CREDIT HOURS