

GUIDED PATHWAY: COMMERCIAL CONSTRUCTION CERTIFICATE – HVAC-COMMERCIAL EMPHASIS

MANUFACTURING and INDUSTRIAL TECHNOLOGY CAREER PATH



For more information, visit the [Dallas College Construction Technology webpage](http://www.dcccd.edu/ConstructionTech) [www.dcccd.edu/ConstructionTech] and your academic advisor at the North Lake Campus.

This is an example course sequence for students interested in pursuing the Construction Technology Commercial Construction Certificate with an emphasis in HVAC Commercial. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a Level I Certificate in Construction Technology Commercial Construction. Courses from this certificate may apply to the related A.A.S. degree. Students must earn at least 25% of the credit hours required for graduation through instruction by Dallas College. See catalog for [official certificate requirements](#).

This apprenticeship program, through North Lake Campus' partnership with the Construction Education Foundation (CEF), has been nationally approved by the National Center for Construction Education Center and Research (NCCER). Graduates of this award will be prepared for employment as a journeyman craft person. Successful completion of the entire curriculum and coordinated on-the-job training prepares the student for the required county, state or federal examinations. The student will also acquire math, science, communications, planning, problem solving, human relations and management skills. Courses that complete the Commercial Construction Certificate are noted below.

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

Catalog Year	2021-2022	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: 32 SEMESTER CREDIT HOURS

SEMESTER 1 Total Hours: 15

[CNBT 1300](#) – Residential and Light Commercial Blueprint Reading

[HART 1307](#) – Refrigeration Principles

[HART 1301](#) – Basic Electricity for HVAC

[CBFM 2317](#) – Mechanical Maintenance

CHOOSE ONE: [OSHT 1307](#) – Construction Site Safety and Health **OR**
[OSHT 1313](#) – Accident Prevention, Inspection, and Investigation

SEMESTER 1 ACTION ITEMS

1. Meet with your advisor to confirm academic and career goals before the end of the semester.
2. Meet with a career advisor or coach to research your career options and opportunities for job shadowing.
3. Meet with a faculty or career advisor regarding placement for the Cooperative course. Craft specific licensing exam may be substituted for CNBT 2281.

SEMESTER 2 Total Hours: 17

[CNBT 2281](#) – Cooperative Education-Construction/ Engineering Technology/Technician

[HART 1303](#) – Air Conditioning Control Principles

[HART 2336](#) – Air Conditioning Troubleshooting
[HART 2341](#) – Commercial Air Conditioning
[HART 2302](#) – Commercial Air Conditioning System (*Course also applies to C*)
[CBFM 2311](#) – Building Maintenance II

SEMESTER 2 ACTION ITEMS

1. After reviewing your program of study, meet with your advisor to apply for the Commercial Construction Certificate.
2. Sign up for Commencement.
3. Join the [Alumni Network!](#)

PATHWAY TOTAL: 32 SEMESTER CREDIT HOURS