

GUIDED PATHWAY: CONSTRUCTION TECHNOLOGY A.A.S. – PIPEFITTING 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 associate degree with an emphasis in Pipefitting. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn an Associate of Applied Science (A.A.S.) degree in Construction Technology. Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by Dallas College. See catalog for [official degree requirements](#).

The A.A.S. degree program in Construction Technology is designed to develop the hands-on skills and technical knowledge necessary so that a graduate may advance in career paths appropriate to their own interests and abilities. Some of the exciting career options include field engineer, estimator, building inspection, insurance and manufacturing representative, field supervisor, sub-contractor, and builder in either commercial or residential construction/home building. A graduate will have also covered skills in other areas such as planning, and organization, problem solving and decision making, related communication, and business and human relations. Courses that complete the degree also complete the [Commercial Construction Certificate](#) (C) and are noted below.

Visit the [NTCCC Transfer Consortium](#) to view guided pathways created for students who complete an A.A.S. degree and the options for transfer to complete a Bachelor of Applied Arts and Science. Speak with an academic advisor at your campus to choose courses that will help you to transfer to a specific university.

Catalog Year	2021-2022	You may use this pathway if you entered Dallas College on or before this date.
Degree Type	Associate of Applied Science	
GPA Requirement	Student must earn a GPA of 2.0 or higher.	
TSI	Must be Complete	

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 degree requirements](#).

AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS

SEMESTER 1

Total Hours: 15

[ARCE 1303](#) – Architectural Materials and Methods of Construction

[PFPB 1308](#) – Basic Pipefitting Skills (*Course also applies to C*)

[PFPB 2307](#) – Pipe Fabrication and Installation I (*Course also applies to C*)

CHOOSE ONE: [OSHT 1307](#) – Construction Site Safety and Health **OR**

[OSHT 1313](#) – Accident Prevention, Inspection, and Investigation (*Courses also apply to C*)

CHOOSE ONE: [SPCH 1311](#) – Introduction to Speech Communication *This is a Core course.*

[SPCH 1315](#) – Public Speaking *This is a Core course.* **OR**

[SPCH 1321](#) – Business and Professional Communication *This is a Core course.*

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.

SEMESTER 2

Total Hours: 19

[CNBT 1300](#) – Residential and Light Commercial Blueprint Reading (*Course also applies to C*)

[CNBT 1391](#) – Special Topics in Construction/Building Technology/Technician
[ENGL 1301](#) – Composition I *This is a Core course. You must earn a grade of "C" or better.*
[HUMANITIES/FINE ARTS ELECTIVE*](#) *This is a Core course.*
[PFPB 2341](#) – Pipe Fabrication and Installation II *(Course also applies to C)*
[WLDG 1435](#) – Introduction to Pipe Welding *(Course also applies to C)*

* There are several options to fulfill this requirement. See your academic advisor for a specific list.

SEMESTER 2 ACTION ITEMS

1. Meet with your advisor to request an official program of study audit confirm or update your academic and career path and program of study.

SEMESTER 3

Total Hours: 12

[SOCIAL/BEHAVIORAL SCIENCES ELECTIVE*](#) *This is a Core course.*
[NATURAL SCIENCE ELECTIVE*](#) *This is a Core course. You must earn a grade of "C" or better.*
[WLDG 1317](#) – Introduction to Layout and Fabrication *(Course also applies to C)*
[CNBT 2270](#) – Pipe Welding for the Construction Professional *(Course also applies to C)*

* There are several options to fulfill this requirement. See your academic advisor for a specific list.

SEMESTER 3 ACTION ITEMS

1. Meet with a career advisor or coach for assistance in preparing for job search.
2. Meet with a faculty or career advisor regarding placement for the Cooperative course.

SEMESTER 4

Total Hours: 14

[CNBT 2281](#) – Cooperative Education-Construction/ Engineering Technology/Technician *(Course also applies to C)*
[PFPB 2343](#) – Advanced Pipe Practices *(Course also applies to C)*
[PFPB 1350](#) – Plumbing and Pipefitting Equipment and Safety *(Course also applies to C)*
PIPEFITTING ELECTIVES* *(2 Courses)*

* Pipefitting Electives: Six hours of electives must be chosen from the following: CNBT 1311, CNBT 1346, CNBT 1359, CNBT 2304, CNBT 2315, CNBT 2317, DFTG 1309, DFTG 1317, DFTG 2319, ENTC 1323

SEMESTER 4 ACTION ITEMS

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

PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS