

# GUIDED PATHWAY: SURVEYING TECHNICIAN A.A.S.

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 Construction Technology. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn the Surveying Technician Associate of Applied Science (A.A.S.) degree. 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](#).

Surveying technicians measure and collect data on specific areas of land including information about boundaries, buildings, and features both natural and man-made. They assist surveyors, cartographers, and photogrammetrists in collecting and processing the data necessary for implementing engineering and construction projects from start to finish. Courses that complete the degree also complete the [Surveying 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	2020-2021	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.	
<a href="#">TSI</a>	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

[SRVY 1301](#) —Introduction to Surveying (*Courses also apply to C*)  
[SRVY 1309](#) —Surveying Measurement (*Courses also apply to C*)  
[SRVY 1315](#) —Surveying Calculations (*Courses also apply to C*)  
[MATH 1314](#) — College Algebra *This is a Core course. You must earn a grade of "C" or better.*  
[ENGL 1301](#) — Composition I *This is a Core course. You must earn a grade of "C" or better.*

#### 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: 15

[SOCIAL/BEHAVIORAL SCIENCES ELECTIVE\\*](#) *This is a Core course.*  
[SRVY 1341](#) —Land Surveying (*Courses also apply to C*)  
[SRVY 1335](#) —Land Surveying Applications (*Courses also apply to C*)  
[DFTG 1309](#) —Basic Computer-Aided Drafting  
**CHOOSE ONE:** [SPCH 1311](#) — Introduction to Speech Communication *This is a Core course.*  
[SPCH 1315](#) — Public Speaking *This is a Core course.*  
[SPCH 1321](#) — Business and Professional Communication *This is a Core course.*

\* 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 and confirm or update your academic and career path and program of study.

### SEMESTER 3

**Total Hours: 15**

- [SRVY 1370](#) —Remote Sensing and Photogrammetry
- [SRVY 2343](#) —Surveying-Legal Principles I (*Courses also apply to C*)
- [SRVY 2305](#) —Geographic Information Systems Applications (*Courses also apply to C*)
- [SRVY 2331](#) —Geodetic Surveying and Mapping (*Courses also apply to C*)
- [SRVY 1342](#) —Global Positioning System Techniques for Surveying and Mapping

#### 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: 15**

- [SRVY 2344](#) —Surveying-Legal Principles II (*Course also applies to C*)
- [SRVY 2339](#) —Engineering Design Surveying
- [SRVY 1391](#) —Special Topics in Surveying
- [SRVY 1380](#) —Cooperative Education – Survey Technology/Surveying
- [HUMANITIES/FINE ARTS ELECTIVE\\*](#) *This is a Core course.*

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

#### SEMESTER 4 ACTION ITEMS

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

**PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS**