

# GUIDED PATHWAY: COMMERCIAL ELECTRICAL TECHNOLOGY A.A.S.

## MANUFACTURING AND INDUSTRIAL TECHNOLOGY CAREER PATH



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

This is an example course sequence for students interested in pursuing the Commercial Electrical Technology associate degree. 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 and certificate in Electrical 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 Electrical Technology prepares the student for career opportunities by developing technical knowledge and practical skills necessary to enter or advance in the electrical technology field. Courses that complete this degree also complete the [Electrical Technology Certificate](#) (C). Students should apply for certificate when it is completed. See the catalog for more information.

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.

<b>Catalog Year</b>	2020-2021	You may use this pathway if you entered one of the seven colleges on or before this date.
<b>Degree Type</b>	Associate of Applied Science	
<b>GPA Requirement</b>	Student must earn a GPA of 2.0 or higher	
<b><a href="#">TSI</a></b>	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**

[ELPT 1325](#)—National Electrical Code I (*Course also applies to C*)

[ELPT 1311](#)—Basic Electrical Theory (*Course also applies to C*)

[ELPT 1370](#)—Electrical Blueprint Reading (*Course also applies to C*)

[ELPT 1329](#)—Residential Wiring (*Course also applies to C*)

**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.*

#### 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: 16**

**NATURAL SCIENCE ELECTIVE\*** *This is a Core course.*

[ELPT 2325](#)—National Electrical Code II (*Course also applies to C*)

**HUMANITIES/FINE ARTS ELECTIVE\*** *This is a Core course.*

[IEIR 1312](#)—Distribution Systems (*Course also applies to C*)

[ENGL 1301](#)—Composition I *This is a Core course. You must earn a grade of "C" or better.*

\*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/career path and program of study.

### SEMESTER 3

**Total Hours: 16**

[ELPT 1345](#)—Commercial Wiring (*Course also applies to C*)

[ELPT 2443](#)—Electrical Systems Design

[CNBT 1359](#)—Project Scheduling

[ELPT 1341](#)—Motor Control (*Course also applies to C*)

**CHOOSE ONE:** [DFTG 1309](#)—Basic Computer-Aided Drafting

[ENGR 1304](#)—Engineering Graphics I

#### 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, if needed.

### SEMESTER 4

**Total Hours: 13**

[ELPT 2437](#)—Electrical Planning and Estimating (Capstone)

[CNBT 2315](#)—Construction Specifications and Contracts

[SOCIAL/BEHAVIORAL SCIENCE ELECTIVE](#)\* *This is a Core course.*

**CHOOSE ONE:** [ELTN 1380](#)—Cooperative Education—Electrician (*Course also applies to C*) **OR**

[ELPT 1391](#)—Special Topics in Electrical and Power Transmission Installer, General (*Course also applies to C*)

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

#### SEMESTER 4 ACTION ITEMS

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

**PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS**