

# GUIDED PATHWAY: ELECTRICAL CONSTRUCTION CERTIFICATE

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 Level I certificate in Electrical Construction. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn the Electrical Technology – Electrical Construction Certificate. 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](#).

In partnership with the Dallas Electrical Joint Apprenticeship and Training Committee, this program provides a one-year (three-semester) certificate in Electrical when the students complete the technical and on-the-job training outlined in the certificate for Electrical listed below. Topics include: electrical theory, fundamentals of electrical, electrical job information, electrical calculations, circuits and systems, commercial and industrial wiring, motor controls, basic motor controls with an emphasis on safety. 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, as long as the student completes the TSI waiver form prior to enrollment.

<b>Catalog Year</b>	2020-2021	You may use this pathway if you entered Dallas College on or before this date.
<b>Degree Type</b>	Level I Certificate	
<b>GPA Requirement</b>	Student must earn a GPA of 2.0 or higher	
<b><a href="#">TSI</a></b>	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: 42 SEMESTER CREDIT HOURS

#### SEMESTER 1

**Total Hours: 18**

[ELPT 1215](#) – Electrical Calculations I  
[ELTN 1470](#) – Electrical Construction I  
[ELTN 1471](#) – Electrical Construction II  
[ELTN 1472](#) – Electrical Construction III  
[ELTN 1473](#) – Electrical Construction IV

#### SEMESTER 1 ACTION ITEMS

1. Meet with your advisor to confirm your academic/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: 12**

[ELTN 1474](#) – Electrical Construction V  
[ELTN 1475](#) – Electrical Construction VI  
[ELTN 1476](#) – Electrical Construction VII

#### 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.

[ELTN 1477](#) – Electrical Construction VIII

[ELTN 1478](#) – Electrical Construction IX

[ELTN 1479](#) – Electrical Construction X

***SEMESTER 3 ACTION ITEMS***

1. Meet with a career advisor or coach for assistance in preparing for job search.
2. Meet with your advisor to apply for the Electrical Construction Certificate
3. Sign up for Commencement.

**PATHWAY TOTAL: 42 SEMESTER CREDIT HOURS**