DALLAS COLLEGE

GUIDED PATHWAY: ELECTRONICS TECHNOLOGY CERTIFICATE

MANUFACTURING and INDUSTRIAL TECHNOLOGY CAREER PATH

For more information, visit the Dallas College Mechatronics webpage [www.dcccd.edu/Mechatronics] and your academic advisor at the Richland Campus.

This is an example course sequence for students interested in pursuing the Electronics Technology Certificate. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn certificate in Engineering Technology – Electronics Technology. 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 one-year program develops the basic skills necessary for entry-level positions in electronics and related industries. Computer-aided instruction and analysis studies include electronic devices and their application in analog and digital circuits. All courses required for the certificate are applicable to the Associate of Applied Science Degree in Electronic Technology. 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.

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
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 certificate requirements.

CERTIFICATE MINIMUM: 42 SEMESTER CREDIT HOURS

SEMESTER 1 — Total Hours: 17

CETT 1403 – DC Circuit
CETT 1429 – Solid State Devices
DFTG 1309 – Basic Computer-Aided Drafting
MCHN 1300 – Beginning Machine Shop
CHOOSE ONE: **TECM 1341** – Technical Algebra *You must earn a grade of "C" or better.* **OR**
MATH 1314 – College Algebra *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: 14

CETT 1405 – AC Circuits
CETT 1425 – Digital Fundamentals
CHOOSE ONE: **SPCH 1311** – Introduction to Speech Communication *This is a Core course.*
SPCH 1315 – Public Speaking *This is a Core course.*
CHOOSE ONE: **TECM 1317** – Technical Trigonometry *You must earn a grade of "C" or better.* **OR**
MATH 1316 – Plane Trigonometry *This is a Core Course. You must earn a grade of "C" or better.*

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.

INTC 1307 – Instrumentation Test Equipment
INMT 1417 – Industrial Automation
COSC 1436 – Programming Fundamentals I

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 Electronics Technology Certificate.

PATHWAY TOTAL: 42 SEMESTER CREDIT HOURS