

GUIDED PATHWAY: ELECTRONICS TECHNOLOGY A.A.S.

MANUFACTURING and INDUSTRIAL TECHNOLOGY CAREER PATH



For more information, visit the [Dallas College Mechatronics webpage](http://www.dcccd.edu/Mechatronics) [www.dcccd.edu/Mechatronics] and your academic advisor at the Mountain View Campus.

This is an example course sequence for students interested in pursuing Electronics Technology. 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 Electronics 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](#).

This program prepares students for entry-level electronic technician positions by providing training in digital and analog theory and practical skills. Courses that complete the degree and the [Technical Platform Certificate](#) (C) 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	
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: 17

[CETT 1403](#) – DC Circuits (*Course also applies to C*)

[CETT 1425](#) – Digital Fundamentals

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

[MATH 1314](#) – College Algebra *This is a Core course. You must earn a grade of "C" or better.*

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

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

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 (*Course also applies to C*)

[CETT 1429](#) – Solid State Devices (*Course also applies to C*)

[HUMANITIES/FINE ARTS ELECTIVE*](#) *This is a Core course.*

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

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: 13****CETT 1449** – Digital Systems**EECT 1191** – Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician**TECHNICAL ELECTIVE** * (*ITSC 1401 required for certificate*)**TECHNICAL ELECTIVE** *

* Two Technical elective courses must be selected from the following: CETT 1457, ELMT 1405, ELPT 2419, ITCC 1477, ITCC 1478, ITNW 1425, ITNW 1437, ITMT 1473, ITSC 1401, ITSC 1405, MFGT 1404, MFGT 1406

SEMESTER 3 ACTION ITEMS

1. Meet with a career advisor or coach for assistance in preparing for job search.

SEMESTER 4**Total Hours: 16****ITSC 1425** – Personal Computer Hardware**RBTC 2445** – Robot Application, Set-up and Testing *Choice of this course or CETT 1429 is required for certificate. (Course also applies to C)***TECHNICAL ELECTIVE** * (*ITSC 1401 required for certificate*)**TECHNICAL ELECTIVE** **

* One Technical elective courses must be selected from the following: CETT 1457, ELMT 1405, ELPT 2419, ITCC 1477, ITCC 1478, ITNW 1425, ITNW 1437, ITMT 1473, ITSC 1401, ITSC 1405, MFGT 1404, MFGT 1406

** One Technical elective course must be selected from the following: CETT 2435, CETT 2433, ELMT 2433, ITCC 2476, ITCC 2477, ITMT 2401, ITMT 2403, ITSC 1407, ITSC 2439

SEMESTER 4 ACTION ITEMS

1. Meet with your advisor to apply for the Electronics Technology A.A.S. and Technical Platform Certificate.
2. Sign up for Commencement.
3. Join the [Alumni Network!](#)

PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS