

**STEM**

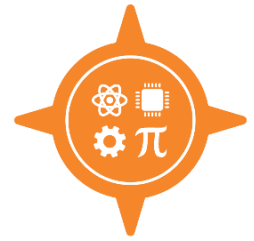
**GUIDED PATHWAY: ELECTRICAL ENGINEERING TECHNOLOGY**

For more information, visit [www.dcccd.edu/cd/dcc/comps/engineering](http://www.dcccd.edu/cd/dcc/comps/engineering) and your academic advisor at Eastfield or Richland College.

This is an example course sequence for students interested in pursuing Electrical Engineering 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 (AAS) degree in Electrical Engineering Technology <sup>ii</sup>. For official degree requirements, [click here](#).

This program is designed specifically to provide the student with skills to perform technical duties associated with the installation, repair, maintenance and calibration of equipment used for the manufacturing and testing of semiconductor products. Students will gain skills in electronics and electrical engineering practices related to the semiconductor manufacturing industry. Gainful employment information for this degree can be found at [www.dcccd.edu/gainfulemp](http://www.dcccd.edu/gainfulemp). Courses that complete the Degree (D) are noted below.

Visit [www.ntxccc.org/pathways](http://www.ntxccc.org/pathways) to view guided pathways created for students who complete an AAS degree and the options for transfer. Speak with an academic advisor to choose courses that will help you to transfer to a specific university.



Offered at EFC and RLC

**COLLEGE READINESS REQUIREMENTS**

Enrolling in one or more courses may be necessary if assessment activities and previous academic experiences indicate a need for additional knowledge and skills:

**READING & WRITING PLACEMENT**

**MATH PLACEMENT**

**ENGLISH LANGUAGE PROFICIENCY**

TSI READING MET:  YES  NO  
TSI WRITING MET:  YES  NO

TSI MATH MET:  YES  NO

ENGLISH PROFICIENCY:  YES  NO

IF TSI OR ENGLISH LANGUAGE PROFICIENCY NOT MET, INSERT COURSE(S) NEEDED

DREA / DWRI / DIRW (CIRCLE ONE)

DMAT \_\_\_\_\_

ESOL \_\_\_\_\_

OTHER: \_\_\_\_\_

OTHER: \_\_\_\_\_

OTHER: \_\_\_\_\_

Exemptions/waivers may exist. Speak with an academic advisor regarding placement in college readiness courses and your ability to enroll in core academic coursework.

**SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS <sup>iii</sup>**

ALL MAPS CAN BE MODIFIED TO FIT THE NEEDS OF PART-TIME STUDENTS

D	SEMESTER 1	ACTION ITEMS
♦	CETT 1403 – DC Circuits	<input type="checkbox"/> Meet with your advisor to confirm academic and career goals before the end of the semester. <input type="checkbox"/> Meet with a career advisor or coach to research your career options and opportunities for job shadowing.
♦	HYDR 1445 – Hydraulics and Pneumatics	
♦	SPCH 1311 – Introduction to Speech Communication (core course)	
♦	MATH 1314 – College Algebra <sup>iv</sup> (core course)	

**TOTAL SEMESTER CREDIT HOURS: 14**

D	SEMESTER 2	ACTION ITEMS
♦	CETT 1405 – AC Circuits	<input type="checkbox"/> Meet with your advisor to request an official program of study audit, confirm or update your academic and career path and program of study.
♦	INTC 1457 – AC/DC Motor Control	
♦	CETT 1425 – Digital Fundamentals	
♦	MATH 1316 – Plane Trigonometry	

**TOTAL SEMESTER CREDIT HOURS: 15**

D	SEMESTER 3	ACTION ITEMS
♦	ENGL 1301 – Composition I <sup>iv</sup> (core course)	<input type="checkbox"/> Meet with a career advisor or coach for assistance in preparing for job search. <input type="checkbox"/> Meet with a faculty or career advisor regarding placement for the Cooperative course, if needed.
♦	CETT 1429 – Solid State Devices	
♦	INMT 1417 – Industrial Automation	
♦	PHYS 1401 – College Physics I (core course)	

**TOTAL SEMESTER CREDIT HOURS: 15**

D	SEMESTER 4	ACTION ITEMS
♦	CETT 1457 – Linear Integrated Circuits	<input type="checkbox"/> Apply for Graduation <ul style="list-style-type: none"> <li>○ Meet with your advisor to apply for the Electrical Engineering Technology AAS.</li> <li>○ Sign up for commencement.</li> </ul> <input type="checkbox"/> Join the <a href="#">Alumni Network!</a>
♦	CHEM 1411 – General Chemistry I (core course)	
♦	MCHN 1200 – Beginning Machine Shop <b>OR</b>	
♦	ENTC 1280 – Cooperative Education-Engineering Technology, General	
♦	Social/Behavioral Science Elective <sup>v</sup> (core course)	
♦	Humanities/Fine Arts Elective <sup>v</sup> (core course)	

**TOTAL SEMESTER CREDIT HOURS: 16**

**AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS | PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS**

<sup>i</sup> Degree plans may change in later catalogs. You may use this pathway if you entered one of the seven colleges on or before this date.

<sup>ii</sup> Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven DCCCD colleges awarding the degree.

<sup>iii</sup> This is not an official degree plan. For official degree requirements, [click here](#).

<sup>iv</sup> You must earn a grade of "C" or better in ENGL 1301 and the selected college-level mathematics and science courses.

<sup>v</sup> There are several options to fulfill this requirement. See your academic advisor for a specific list.