

**STEM**

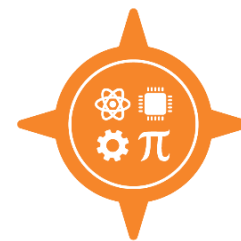
**GUIDED PATHWAY: ELECTRONICS/COMPUTER TECHNOLOGY – ELECTRONICS SYSTEMS TECHNICIAN OPTION AAS**

For more information, visit [www.dcccd.edu/ElectronicsRelated](http://www.dcccd.edu/ElectronicsRelated) and your academic advisor at Eastfield College.

This is an example course sequence for students interested in pursuing Electronics Computer Technology – Electronics Systems Technician Option. 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 Electronics Computer Technology – Electronics Systems Technician Option <sup>ii</sup>. For official degree requirements, [click here](#).

This program is designed to prepare students to work as Electronic Systems Technicians (DOT Code: 823.261-901, ONET Code: 49-2022.03). This is an individual whose primary occupation is the design and/or integration, installation and field maintenance/service of: cabling infrastructure and products that transport low voltage voice, video, audio, data signals, and computer or telephone networks in a commercial or residential premises; products that capture and display or otherwise announce signals; products that control signals; and products that use signals to control mechanical and electrical apparatus. 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) and the Basic Electronics Technology Certificate (BE1) 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 at Eastfield College to choose courses that will help you to transfer to a specific university.



**ONLY Offered at EFC**

**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 MATH MET: YES NO

ENGLISH PROFICIENCY: YES NO

TSI WRITING MET: 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	BE1	SEMESTER 1	ACTION ITEMS
♦	♦	<b>CETT 1403</b> – 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. <input type="checkbox"/> NOTE: Select EECT 1104 for the Basic Electronics Technology Certificate
♦	♦	<b>CETT 1425</b> – Digital Fundamentals	
♦		<b>ENGL 1301</b> – Composition I <sup>iv</sup> (core course)	
♦		<b>MATH 1314</b> – College Algebra <sup>iv,v</sup> (core course) <b>OR</b> <b>MATH 1332</b> – Contemporary Mathematics (core course)	
♦	♦	<b>EECT 1104</b> – Electronic Soldering <b>OR</b> <b>EECT 1191</b> – Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician	

**TOTAL SEMESTER CREDIT HOURS: 15**

D	BE1	SEMESTER 2	ACTION ITEMS
♦	♦	<b>CETT 1405</b> – AC Circuits	<input type="checkbox"/> Meet with your advisor to request an official program of study audit, confirm or update your academic/career path and program of study.
♦	♦	<b>CETT 1429</b> – Solid State Devices	
♦		<b>SPCH 1311</b> – Introduction to Speech Communication (core course) <b>OR</b> <b>SPCH 1315</b> – Public Speaking (core course)	
♦		<b>Social/Behavioral Science Elective <sup>v</sup></b> (core course)	

**TOTAL SEMESTER CREDIT HOURS: 14**

D	BE1	SEMESTER 3	ACTION ITEMS
♦		<b>Technical Elective <sup>vi</sup></b>	<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 Education course.
♦		<b>Technical Elective <sup>vi</sup></b>	
♦		<b>Technical Elective <sup>vi</sup></b>	
♦		<b>Humanities/Fine Arts Elective <sup>v</sup></b> (core course)	

**TOTAL SEMESTER CREDIT HOURS: 15**

D	BE1	SEMESTER 4	ACTION ITEMS
♦		<b>Technical Elective <sup>vi</sup></b>	<input type="checkbox"/> NOTE: Select CETT 1441 for the Basic Electronics Technology Certificate; ELPT 2419 and CETT 1449 are also required for this certificate. <input type="checkbox"/> Apply for Graduation <ul style="list-style-type: none"> <li>o Meet with your advisor to apply for the Electronics/Computer Technology – Electronics Systems Technician Option AAS and Basic Electronics Technology Certificate (BE1).</li> <li>o Sign up for commencement.</li> </ul> <input type="checkbox"/> Join the <a href="#">Alumni Network!</a>
♦		<b>Technical Elective <sup>vi</sup></b>	
♦		<b>Technical Elective <sup>vi</sup></b>	
♦	♦	<b>CETT 1441</b> – Solid State Circuits <b>OR</b> <b>CETT 2480</b> – Cooperative Education-Computer Engineering Technology/Technician <b>OR</b> <b>CETT 2481</b> – Cooperative Education-Computer Engineering Technology/Technician	

**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 English 1301 and the selected college-level mathematics course.

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

<sup>vi</sup> Technical elective must be selected from the following: CETT 1402, CETT 1407, CPMT 1449, EECT 1403, EECT 1408, EECT 1491, EECT 2439, ELMT 1411, ELMT 2471, LOTT 1401, WIND 2410