



STEM



**Associate of Applied Science in  
Electronics/Computer Technology – Electronics Systems to  
BAAS in Manufacturing and Industrial Management  
Safety Management Concentration <sup>†</sup>  
Guided Pathway  
Effective for the 2019-2020 Catalog<sup>1</sup>**



**First Year Courses – Eastfield College<sup>2</sup>**

FIRST SEMESTER	SECOND SEMESTER
CETT 1403 – DC Circuits	CETT 1405 – AC Circuits
CETT 1425 – Digital Fundamentals	CETT 1429 – Solid State Devices
<sup>Ⓒ</sup> MATH 1314 – College Algebra (020) <b>OR</b> <sup>Ⓒ</sup> MATH 1332 – Contemporary Mathematics (020)	<sup>Ⓒ</sup> SPCH 1311 – Introduction to Speech Communication (090) <b>OR</b> <sup>Ⓒ</sup> SPCH 1315 – Public Speaking (090)
<sup>Ⓒ</sup> ENGL 1301 – Composition I (010)	<sup>Ⓒ</sup> Social/Behavioral Science Elective* (080)
EECT 1104 – Electronic Soldering <b>OR</b> EECT 1191 – Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician	

Total Semester Hours: 15

Total Semester Hours: 14

**Second Year Courses – Eastfield College**

It's best to apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
Technical Elective+	Technical Elective+
Technical Elective+	Technical Elective+
Technical Elective+	Technical Elective+
<sup>Ⓒ</sup> Humanities/Fine Arts Elective* (040 OR 050)	CETT 1441 – Solid State Circuits <b>OR</b> CETT 2480 – Cooperative Education-Computer Engineering Technology/Technician <b>OR</b> CETT 2481 – Cooperative Education-Computer Engineering Technology/Technician

Total Semester Hours: 15

Total Semester Hours: 16

**AAS: Electronics/Computer Technology – Electronics Systems Technician Option (60 hours)**

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

**These courses may be completed at Eastfield College (if offered) or TSU-Stephenville Campus**

<sup>Ⓒ</sup> HIST 1302 – United States History II (060)	<sup>Ⓒ</sup> GOVT 2306 – Texas Government (070)
<sup>Ⓒ</sup> Language, Philosophy and Culture Core Elective (040) OR Creative Arts Core Elective (050)	<sup>Ⓒ</sup> ENGL 1302 – Composition II (010)
<sup>Ⓒ</sup> Any Core Elective (1-3 credits) (090)	<sup>Ⓒ</sup> GOVT 2305 – Federal Government (070)
<sup>Ⓒ</sup> HIST 1301 – United States History I (060)	MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods
<sup>Ⓒ</sup> *Life and Physical Science Core Elective (030) (4 credits)	<sup>Ⓒ</sup> *Life and Physical Science Core Elective (030) (4 credits)

Total Hours: 29-31

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 3360 – Safety Management	ENGT 3320 – Industrial Safety
ENGT 3318 – Research and Reporting For Technologists	ENGT 3395 – Project Management
Advanced ENGT Course	Advanced ENGT Course
Advanced Elective Course	Advanced Elective Course

Total Semester Hours: 12

Total Semester Hours: 12

**Fourth Year - Tarleton State University**

FIRST SEMESTER
ENGT 4320 – Occupational Safety and Health
ENGT 3326 – Ergonomics and Work Methods (Spring Only)
ENGT 3375 – Continuous Improvement
Advanced Elective Course
Advanced Elective Course

Total Semester Hours: 15

Total Degree Hours: 128-130

**This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.**

Part-time students may also follow this sequence. Developmental coursework may be required.

<sup>1</sup> You may use this pathway if you entered one of the seven colleges on or before this date.

<sup>2</sup> Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven colleges of the DCCCD awarding the degree.

<sup>Ⓒ</sup> This course counts for the Core Curriculum at any public college or university in Texas.

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

+ 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

You must earn a grade of "C" or better in English 1301 and the selected college-level mathematics course.

() Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.

**Approved: 2019-2020 Guided Pathway**

<sup>†</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.