



STEM



**Associate of Applied Science in
Electronics Technology to
BAAS in Manufacturing and Industrial Management
General without Certification Concentration ^T
Guided Pathway
Effective for the 2019-2020 Catalog¹**



First Year Courses – Mountain View College²

FIRST SEMESTER	SECOND SEMESTER
CETT 1403 – DC Circuits	CETT 1405 – AC Circuits
CETT 1425 – Digital Fundamentals	CETT 1429 – Solid State Devices
^C ENGL 1301 – Composition I (010)	^C Humanities/Fine Arts Elective* (040 OR 050)
^C MATH 1314 – College Algebra (020)	^C SPCH 1311 – Introduction to Speech Communication (090)
^C Social/Behavioral Science Elective* (080)	

Total Semester Hours: 14

Total Semester Hours: 15

Second Year Courses – Mountain View College

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

FIRST SEMESTER	SECOND SEMESTER
CETT 1449 – Digital Systems	ITSC 1425 – Personal Computer Hardware
EECT 1191 – Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician	RBTC 2445 – Robot Application, Set-up and Testing**
Technical Elective+	Technical Elective+
Technical Elective+	Technical Elective++

Total Semester Hours: 15

Total Semester Hours: 16

AAS: Electronics Technology (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 Mountain View College (if offered) or TSU-Stephenville Campus

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

Total Hours: 30-32

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
Advanced ENGT Elective	Advanced ENGT Elective
Advanced ENGT Elective	Advanced ENGT Elective
Advanced ENGT Elective	Advanced ENGT Elective

Total Semester Hours: 12

Total Semester Hours: 12

Fourth Year - Tarleton State University

FIRST SEMESTER
ENGT 3375 Continuous Improvement
Advanced Elective
Advanced Elective
Advanced Elective
Advanced Elective

Total Semester Hours: 15

Total Degree Hours: 129-131

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.

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

² 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.

^C 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.

+ Three 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

You must earn a grade of "C" or better in ENGL 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

^T Degree availability varies by campus; consult www.tarleton.edu for more information.