



STEM



**Associate of Applied Science in
Electronics/Computer Technology – Electronics Systems to
BAAS in Manufacturing and Industrial Management
Industrial Management Concentration^T
Guided Pathway
Effective for the 2019-2020 Catalog¹**



First Year Courses – Eastfield College²

FIRST SEMESTER	SECOND SEMESTER
CETT 1403 – DC Circuits	CETT 1405 – AC Circuits
CETT 1425 – Digital Fundamentals	CETT 1429 – Solid State Devices
^C MATH 1314 – College Algebra (020) OR ^C MATH 1332 – Contemporary Mathematics (020)	^C SPCH 1311 – Introduction to Speech Communication (090) OR ^C SPCH 1315 – Public Speaking (090)
^C ENGL 1301 – Composition I (010)	^C Social/Behavioral Science Elective* (080)
EECT 1104 – Electronic Soldering OR 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+
^C Humanities/Fine Arts Elective* (040 OR 050)	CETT 1441 – Solid State Circuits OR CETT 2480 – Cooperative Education-Computer Engineering Technology/Technician OR 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

^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: 29-31

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
Advanced ENGT Elective	ENGT 4336 Production Planning
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
ENGT 3375 Continuous Improvement	ENGT 4346 Manufacturing Management
ENGT 3386 Quality Management	Advanced ENGT Elective

Total Semester Hours: 12

Total Semester Hours: 12

Fourth Year - Tarleton State University

FIRST SEMESTER
ENGT 4347 Metrics and Measurement (Fall Only)
Advanced Elective
Advanced Elective
Advanced Elective
Advanced Elective

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.

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.

+ 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

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

For questions about the university portion of this guided pathway,

contact the Engineering Technology Department at 254-968-9014 or engineering.technology@tarleton.edu.