



STEM

EFC RLC

**Associate of Applied Science in
Electrical Engineering Technology to
BAAS in Manufacturing and Industrial Management
Safety Management Concentration ^T
Guided Pathway
Effective for the 2019-2020 Catalog¹**



First Year Courses – Eastfield and Richland College²

FIRST SEMESTER	SECOND SEMESTER
CETT 1403 – DC Circuits	CETT 1405 – AC Circuits
HYDR 1445 – Hydraulics and Pneumatics	INTC 1457 – AC/DC Motor Control
^C SPCH 1311 – Introduction to Speech Communication (090)	CETT 1425 – Digital Fundamentals
^C MATH 1314 – College Algebra (020)	MATH 1316 – Plane Trigonometry

Total Semester Hours: 14

Total Semester Hours: 15

Second Year Courses – Eastfield and Richland College

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

FIRST SEMESTER	SECOND SEMESTER
^C ENGL 1301 – Composition I (010)	CETT 1457 – Linear Integrated Circuits
CETT 1429 – Solid State Devices	^C CHEM 1411 – General Chemistry I (030)
INMT 1417 – Industrial Automation	MCHN 1200 – Beginning Machine Shop <u>OR</u> ENTC 1280 – Cooperative Education-Engineering Technology, General
^C PHYS 1401 – College Physics I (030)	^C Social/Behavioral Science Elective* (080)
	^C Humanities/Fine Arts Elective* (040 OR 050)

Total Semester Hours: 15

Total Semester Hours: 16

AAS: Electrical Engineering 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 Eastfield and Richland 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 (090)	^C GOVT 2305 – Federal Government (070)
^C HIST 1301 – United States History I (060)	

Total Hours: 21

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: 120

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.

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

() 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.