



AAS in Electronics Engineering Technology to  
Bachelor of Applied Arts and Sciences in  
Manufacturing and Industrial Management  
Safety Management Concentration<sup>T</sup>  
**Guided Pathway**  
Effective for the 2019-2020 Catalog



### First Year – Central Texas College

FIRST SEMESTER	SECOND SEMESTER
ITSC 1301 Introduction to Computers OR COSC 1301 Introduction to Computing	CETT 1331 Programming for Discrete Electronics Devices
CETT 1325 Digital Fundamentals	CPMT 1345 Computer Systems Maintenance
CETT 1303 DC Circuits	CETT 1429 Solid State Devices
<sup>C</sup> MATH 1342 Elementary Statistical Methods	CETT 1305 AC Circuits
	<sup>C</sup> ENGL 1301 Composition I

Total Semester Hours: 12

Total Semester Hours: 16

### Second Year – Central Texas College

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

FIRST SEMESTER	SECOND SEMESTER
CETT 1321 Electronics Fabrication	ITCC 1414 CCNA 1: Introduction to Networks
<sup>C*</sup> Life and Physical Science Core Elective (4 credits)	CETT 1449 Digital Systems
CETT 2335 Advanced Microprocessors	ELMT 2435 Certified Electronics Tech. Training
CETT 1441 Solid State Circuits	<sup>C</sup> Humanities Selection*
<sup>C</sup> Social/Behavioral Science Selection*	

Total Semester Hours: 17

Total Semester Hours: 15

### AAS: Diesel Engine Technician & Maintainer

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 CTC (if offered) or TSU-Stephenville Campus	
<sup>C*</sup> Communication Core Elective	<sup>C</sup> ENGL 1302 – Composition II
<sup>C</sup> HIST 1301 – United States History I	<sup>C*</sup> Life and Physical Science Core Elective (4 credits)
<sup>C</sup> Math Core Elective (Other than MATH 1342)	<sup>C</sup> HIST1302 – United States History II
<sup>C*</sup> Any Core Course (1 credit minimum)	<sup>C</sup> GOVT 2305 – Federal Government
<sup>C</sup> GOVT 2306 – Texas Government	<sup>C*</sup> Creative Arts Core Elective

Total Semester Hours:13

Total Semester Hours:16

### Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
Advanced ENGT Elective	ENGT 4320 Occupational Safety and Health
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
ENGT 3326 Ergonomics and Work Methods (Spring Only)	ENGT 3360 Safety Management
ENGT 3320 Industrial Safety	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: 128

**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.

\* You may take a different course to meet this requirement. A specific list is available from your advisor.

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

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