



AAS in Electronics Technology – Engineering Technology to  
 BAAS in Manufacturing and Industrial Management  
 General without Certification Concentration <sup>T</sup>  
**Guided Pathway**  
 2019-2020 Catalog



**First Year - Tarrant County College District**

FIRST SEMESTER	SECOND SEMESTER
<b>MATH 1314 (020)</b> – College Algebra <sup>C*</sup>	<b>CETT 1441</b> – Solid State Circuits
<b>CETT 1409</b> – DC-AC Circuits	<b>SPCH 1311 (010)</b> – Intro to Speech Communication <sup>C*</sup>
<b>CETT 1449</b> – Digital Systems	<b>ENGR 1201</b> – Intro to Engineering
<b>RBTC 1401</b> - Programmable Logic Controls	<b>CETT 1445</b> – Microprocessor
<b>KINE 1164</b> - to Physical Fitness and Wellness <sup>C</sup>	<b>ENGL 1301(010)</b> - Composition I <sup>C</sup>

**Second Year – Tarrant County College District**

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

FIRST SEMESTER	SECOND SEMESTER
<b>ARTS 1301 (050)</b> – Art Appreciation <sup>C*</sup>	<b>ENGR 2332</b> – Mechanics of Materials
<b>CETT 2435</b> – Advanced Microprocessors	<b>PHYS 2426 (030)</b> – University Physics II
<b>ENGR 2403</b> – Engineering Mechanics Statics/Dynamics	<b>ENGR 2305</b> – Circuit Analysis (Capstone)
<b>PHYS 2425(030)</b> – University Physics I	<b>GOVT 2305 (080)</b> – Federal Government <sup>C*</sup>

**AAS: Electronics Technology – Engineering Technology**

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 TCC (if offered) or TSU- Stephenville Campus**

<sup>C*</sup> Life and Physical Science Core Elective (4 credits) (030)	<sup>C*</sup> Life and Physical Science Core Elective (4 credits) (030)
<sup>C</sup> HIST 1301 – United States History I	<sup>C</sup> HIST1302 – United States History II
<sup>C</sup> GOVT 2306 – Texas Government	<sup>C*</sup> Language, Philosophy and Culture Core Elective (040)
MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods	<sup>C</sup> ENGL 1302 – Composition II
	<sup>C*</sup> Social and Behavioral Science Core Elective (080)

Total Semester Hours: 13

Total Semester Hours: 16

**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

**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>\*</sup> 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.