

AAS in Electronics Technology-Electronics and Telecommunications to  
 Bachelor of Applied Arts and Sciences 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>ENGL 1301 (010)</b> – Composition I <sup>C</sup>                  |
| <b>RBTC 1401</b> – Programmable Logic Controllers      | <b>CETT 1445</b> – Microprocessor                                    |
|  | <b>GOVT 2305 (070)</b> – Federal Government <sup>C*</sup>            |

Total Semester Hours: 15

Total Semester Hours: 14

**Second Year – Tarrant County College District**

It's 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>CSIR 1459</b> – Digital Data Communication                  |
| <b>CETT 2435</b> – Advanced Microprocessors             | <b>EECT 2435</b> – Telecommunications                          |
| <b>RBTC 1447</b> – Electro-Mechanical Devices           | <b>ELMT 2337</b> – Electronic Troubleshooting, Service, Repair |
| <b>EECT 2439</b> – Communication Circuits               | <b>ENGR 1201</b> – Introduction to Engineering                 |

Total Semester Hours: 14

Total Semester Hours: 17

**AAS: Electronics Technology – Electronics and Telecommunications**

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> Any Core Course (090) (1 credit minimum)                          | <sup>C*</sup> Language, Philosophy and Culture Core Elective (040)      |
| MATH 1316 – Plane Trigonometry or<br>MATH 1342 – Elementary Statistical Methods | <sup>C</sup> ENGL 1302 – Composition II                                 |
| <sup>C</sup> GOVT 2306 – Texas Government                                       | <sup>C*</sup> Social and Behavioral Science Core Elective (080)         |

Total Semester Hours: 14

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.

- \* 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>()</sup> Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.
- <sup>T</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.