



AAS in Electronic Engineering Technology to  
 BAAS in Manufacturing and Industrial Management  
 Safety Management Concentration <sup>T</sup>



**Guided Pathway**

Effective for the 2019-2020 Catalog

**First Year - Collin College**

FIRST SEMESTER	SECOND SEMESTER
CETT 1407 Fundamentals of Electronics	CETT 1409 DC AC Circuits
CETT 1425 Digital Fundamentals	CETT 1445 Microprocessor
<sup>C</sup> ENGL 1301 Composition I	RBTC 1405 Robotic Fundamentals
<sup>C</sup> Mathematics (see list below) - 3 hours	<sup>C</sup> Humanities course (see list below) - 3 hours

Total Semester Hours: 14

Total Semester Hours: 15

SUMMER
<sup>C</sup> Speech elective (may be taken during another semester)

Total Semester Hours: 3

**Second Year - Collin College**

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

FIRST SEMESTER	SECOND SEMESTER
CETT 2471 Emerging Topics in Engineering Technology	CETT 1457 Linear Integrated Circuits
INTC 1307 Instrumentation Test Equipment	<sup>C</sup> ECON 2301 or ECON 2302
<sup>C</sup> PHYS 1405 Conceptual Physics or PHYS 1401	EECT 2439 Communications Circuits (Capstone)
Elective (see list below)	Elective (see list below)

Total Semester Hours: 14

Total Semester Hours: 14

See your advisor for information about applying for your degree

**AAS: Electronic Engineering Technology**

These courses may be completed at Collin College (if offered) or TSU-Stephenville Campus

<sup>C</sup> GOVT 2305 Federal Government	<sup>C</sup> GOVT 2306 Texas Government
<sup>C</sup> ENGL 1302 Composition II	<sup>C</sup> Any Core Elective (1-3 credits)
<sup>C*</sup> Life and Physical Science Core Elective (4 credits)	<sup>C*</sup> Creative Arts Core Elective
<sup>C</sup> HIST1301 United States History I	<sup>C</sup> HIST 1302 United States History II
<sup>C</sup> MATH 1316 Plane Trigonometry OR MATH 1342 Statistics	

Total Semester Hours: 26-28

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 4320 Occupational Safety and Health
Advanced Elective Course	ENGT 3395 Project Management
ENGT 3320 Industrial Safety	Advanced ENGT Course
Advanced ENGT Course	Advanced Elective Course
Advanced Elective Course	

Total Semester Hours: 15

Total Semester Hours: 12

**Fourth Year - Tarleton State University**

FIRST SEMESTER
ENGT 3360 Safety Management
ENGT 3326 Ergonomics and Work Methods (Spring)
ENGT 3375 Continuous Improvement
Advanced Elective Course

Total Semester Hours: 12

Total Degree Hours: 125-127

**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.

**Collin Options:**

Humanities/Fine Arts - choose one from: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2342, 2343, HIST 2311, 2312, 2321, 2322,

HUMA 1301, PHIL 1301, 1304, 2303, 2306, 2307, 2321

Speech – choose one from: SPCH 1311, 1315, 1321

Technical electives - choose two from: DFTG 1372, EECT 2380, RBTC 2345, or SUAS 1371

For questions about the University portion of this guided pathway,  
 Contact the Engineering Technology Department at (254)968-9010 or [Engineering.Technology@tarleton.edu](mailto:Engineering.Technology@tarleton.edu).