



AAS in Electronic Engineering Technology to  
BAAS in Manufacturing and Industrial Management  
General Without Certification Concentration <sup>T</sup>



**Guided Pathway**

Effective for the 2021-2022 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
TECM 1343 – Technical Algebra & Trigonometry <b>or</b> MATH 1316 or higher level Math (TSU requires)	<sup>C</sup> Humanities (TSU requires)/Fine Arts course (see list below)
14 credit hours	15 credit hours
SUMMER SEMESTER	
<sup>C</sup> SPCH 1321 – Business and Professional Communication (see list below)	
3 credit hours	

**Second Year - Collin College**

FIRST SEMESTER	SECOND SEMESTER
CETT 2471 – Emerging Topics in Engineering Tech.	CETT 1457 – Linear Integrated Circuits
INTC 1307 – Instrumentation Test Equipment	<sup>C</sup> ECON 1301 – Intro to Economics (see list below)
<sup>C</sup> PHYS 1405 – Conceptual Physics or PHYS 1401	EECT 2439 – Communications Circuits (Capstone)
*Elective (see list below)	*Elective (see list below)
14 credit hours	14 credit hours

**AAS: *Electronic Engineering Technology***

Contact your advisor at Collin College for information about applying for your associate degree.

<sup>C</sup> Core Curriculum transferrable to any public college or university in Texas.

**These courses may be completed at Collin College (if offered) or TSU**

<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 Applicable Elective (1 credit min)
	<sup>C</sup> *Life and Physical Science Core Elective (4 credits)
<sup>C</sup> HIST1301 United States History I	<sup>C</sup> HIST 1302 United States History II
MATH 1316 Plane Trigonometry OR MATH 1342 Statistics	<sup>C</sup> *Creative Arts Core Elective
Total Semester Hours: 12	Total Semester Hours: 14

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research and Reporting for Technologists	Advanced ENGT Course
Advanced ENGT Course	ENGT 3395 Project Management
Advanced ENGT Course	Advanced ENGT Course
Advanced ENGT Course	Advanced Elective Course
Advanced Elective Course	
Total Semester Hours: 15	Total Semester Hours: 12
Total Semester Hours: 15	Total Semester Hours: 12

**Fourth Year - Tarleton State University**

FIRST SEMESTER
ENGT 3375 Continuous Improvement
Advanced ENGT Course
Advanced Elective Course
Advanced Elective Course
Total Semester Hours: 12

Total Degree Hours: 125

**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.

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).



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

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

**Collin Options:**

Mathematics/Natural Sciences – choose one from: **MATH** 1314, 1316, 1324, 1325, 1332, 1342, 1350, 1351, 2305, 2318, 2320, 2412, 2413, 2414, 2415, **BIOL** 1406, 1407, 1408, 1409, 1414, 1415, 2401, 2402, 2402, 2404, 2406, 2416, 2420, 2421, **CHEM** 1405, 1411, 1412, 2423, 2425, **ENVR** 1401, 1402, **GEOL** 1401, 1402, 1403, 1404, 1445, 1447, **PHYS** 1401, 1402, 1403, 1404, 1405, 1410, 1415, 1417, 2425, 2426.

Humanities/Fine Arts – choose one from: **ARTS** 1301, 1303, 1304, 1313, **DANC** 2303, **DRAM** 1310, 2361, 2362, 2366, **ENGL** 2322, 2323, 2327, 2328, 2332, 2333, 2341, **HIST** 2311, 2312, 2321, 2322, **HUMA** 1301, **MUSI** 1306, 1307, 1310, **PHIL** 1301, 1304, 2303, 2306, 2307, 2321.

Social and Behavioral Sciences – choose one from: **ANTH** 2302, 2346, 2351, **ECON** 1301, 2301, 2302, **GOVT** 2305, 2306, **HIST** 1301, 1302, 2301, **PSYC** 2301, **SOCI** 1301, 1306.

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

\*Elective – choose two from: **DFTG** 1372, **EECT** 2380, **RBTC** 2345, or **SUAS** 1371