



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



Effective beginning with the 2020-2021 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> MATH Core Elective	<sup>C</sup> Humanities course (see list below)
14 credit hours	15 credit hours
SUMMER	
<sup>C</sup> Speech elective (may be taken during another semester)	
3 credit hours	

**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	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.

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 Elective - 1 – 3 hours
<sup>C*</sup> Life and Physical Science Core Elective - 4 hours	<sup>C*</sup> Creative Arts Core Elective
<sup>C</sup> HIST1301 – United States History I	<sup>C</sup> HIST 1302 – United States History II
MATH 1316 – Plane Trig. or MATH 1342 – Statistics	
16 credit hours	10 – 12 credit hours

**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	
15 credit hours	12 credit hours

**Fourth Year - Tarleton State University**

FIRST SEMESTER	
ENGT 3375 – Continuous Improvement	Advanced Elective Course
Advanced ENGT Course	Advanced Elective Course
12 credit hours	

**Total Degree Hours: 125 – 127**

**BAAS in Manufacturing and Industrial Management**

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).

**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 – 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, **ECT** 2380, **RBTC** 2345, or **SUAS** 1371