



**Associate of Applied Science  
Engineering Technology to  
BAAS in Manufacturing and Industrial Management  
Safety Management Concentration <sup>T</sup>**



**Guided Pathway**

Effective for the 2020-2021 Catalog

**First Year - NCTC**

FIRST SEMESTER	SECOND SEMESTER
DFTG 1305 – Technical Drafting	DFTG 2306 – Machine Design
DFTG 1309 – Basic Computer-Aided Drafting	DFTG 2300 – Intern Architectural Drafting
DFTG 1317 – Architectural Drafting	DFTG 2302 – Machine Drafting
DFTG 1333 – Mechanical Drafting	DFTG 2319 – Intern. Computer-Aided Drafting
DFTG 2340 – Solid Modeling/Design	DFTG 2317 – Descriptive Geometry
Total Semester Hours: 15	Total Semester Hours: 15

**Second Year – NCTC**

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

FIRST SEMESTER	SECOND SEMESTER
DFTG 1302 – Introduction to Technical Animation and Rendering	DFTG 2386 – Internship – Drafting and Design Technology/Technician
DFTG 2328 – Architectural Drafting Commercial	<sup>C</sup> MATH 1314 – College Algebra*
DFTG 1358 – Electrical/Electronics Drafting	<sup>C</sup> ECON 2301 – Prin. of Macroeconomics*
DFTG 2330 – Civil Drafting	<sup>C</sup> SPCH 1321 – Business & Prof Speech*
<sup>C</sup> ARTS 1301 – Art Appreciation	<sup>C</sup> GOVT 2305 – Federal Government*
Total Semester Hours: 15	Total Semester Hours: 15

**AAS: 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 taken at NCTC (if offered) or TSU**

<sup>C</sup> HIST 1302 United States History II	<sup>C</sup> GOVT 2306 Texas Government
<sup>C</sup> ENGL 1301 – Composition I	<sup>C</sup> *Life and Physical Science Core Elective (4 credits)
<sup>C</sup> *Life and Physical Science Core Elective (4 credits)	<sup>C</sup> ENGL 1302 – Composition II
<sup>C</sup> *Any Core Course (minimum 1 credit)	<sup>C</sup> HIST 1301 United States History I
MATH 1316 Plane Trigonometry OR Math 1342 Statistics	<sup>C</sup> * Language, Philosophy and Culture
Total Semester Hours: 14	Total Semester Hours: 16

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
Advanced ENGT Elective	ENGT 4320 Occupational Safety and Health
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
ENGT 3326 Ergonomics and Work Methods (Spring Only)	ENGT 3360 Safety Management
ENGT 3320 Industrial Safety	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.**

- \* 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. Sometimes, taking a specific course to meet a Core requirement will also fulfill other requirement for your degree. If this course meets more than one requirement it is listed as the correct option (with no asterisk).
- <sup>T</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.

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).