



**Associate of Applied Science  
Engineering Technology to  
BAAS in Manufacturing and Industrial Management  
Industrial Management Concentration  
Guided Pathway  
Effective for the 2020-2021 Catalog**



**First Year - NCTC**

FIRST SEMESTER	SECOND SEMESTER
<b>DFTG 1305</b> – Technical Drafting	<b>DFTG 2306</b> – Machine Design
<b>DFTG 1309</b> – Basic Computer-Aided Drafting	<b>DFTG 2300</b> – Interm Architectural Drafting
<b>DFTG 1317</b> – Architectural Drafting	<b>DFTG 2302</b> – Machine Drafting
<b>DFTG 1333</b> – Mechanical Drafting	<b>DFTG 2319</b> – Interm. Computer-Aided Drafting
<b>DFTG 2340</b> – Solid Modeling/Design	<b>DFTG 2317</b> – 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
<b>DFTG 1302</b> – Introduction to Technical Animation and Rendering	<b>DFTG 2386</b> – Internship – Drafting and Design Technology/Technician
<b>DFTG 2328</b> – Architectural Drafting Commercial	<b>C</b> MATH 1314 – College Algebra*
<b>DFTG 1358</b> – Electrical/Electronics Drafting	<b>C</b> ECON 2301 – Prin. of Macroeconomics*
<b>DFTG 2330</b> – Civil Drafting	<b>C</b> SPCH 1321 – Business & Prof Speech*
<b>C</b> ARTS 1301 – Art Appreciation	<b>C</b> 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	
<b>C</b> HIST 1302 United States History II	<b>C</b> GOVT 2306 Texas Government
<b>C</b> ENGL 1301 – Composition I	<b>C</b> *Life and Physical Science Core Elective (4 credits)
<b>C</b> *Life and Physical Science Core Elective (4 credits)	<b>C</b> ENGL 1302 – Composition II
<b>C</b> *Any Core Course (minimum 1 credit)	<b>C</b> HIST 1301 United States History I
MATH 1316 Plane Trigonometry OR Math 1342 Statistics	<b>C</b> * Language, Philosophy and Culture
Total Semester Hours: 14	Total Semester Hours: 16

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
Advanced ENGTElective	ENGTE 4336 Production Planning
ENGTE 3318 Research & Reporting for Technologists	ENGTE 3395 Project Management
ENGTE 3375 Continuous Improvement	ENGTE 4346 Manufacturing Management
ENGTE 3386 Quality Management	Advanced ENGTElective
Total Semester Hours: 12	Total Semester Hours: 12

**Fourth Year – Tarleton State University**

FIRST SEMESTER
ENGTE 4347 Metrics and Measurement (Fall Only)
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.
- C** 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).
- T** Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.