



AAS in Computer-Aided Drafting & Design to  
Bachelor of Applied Arts and Sciences in  
Manufacturing and Industrial Management  
General Without Certification Concentration<sup>T</sup>  
**Guided Pathway**  
Effective for the 2019-2020 Catalog



**First Year – Central Texas College**

FIRST SEMESTER	SECOND SEMESTER
DFTG 1405 Technical Drafting	DFTG 2317 Description Geometry
DFTG 2412 Technical Illustration & Presentation	DFTG 2402 Machine Drafting
DFTG 1409 Basic Computer-Aided Drafting	DFTG 2440 Solid Modeling/Design
<sup>C</sup> MATH 1332 Contemporary Mathematics	<sup>C</sup> ENGL 1301 Composition I
	<sup>C</sup> SPCH 1315 or 1321

Total Semester Hours: 15

Total Semester Hours: 17

**Second Year – Central Texas College**

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

FIRST SEMESTER	SECOND SEMESTER
DFTG 1417 Architectural Drafting-Residential	DFTG 2323 Pipe Drafting
DFTG 1358 Electrical/Electronic Drafting	DFTG 2421 Topographical Drafting
ARCE 1452 Structural Drafting	DFTG 2438 Final Project – Advanced Drafting
<sup>C</sup> Humanities/Fine Arts Selection*	<sup>C</sup> Social & Behavioral Science Selection*

Total Semester Hours: 14

Total Semester Hours: 14

**AAS: Computer-Aided Drafting & Design**

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 completed at CTC (if offered) or TSU – Stephenville Campus	
<sup>C</sup> Humanities/Fine Arts Selection*	<sup>C</sup> ENGL 1302 – Composition II
<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> HIST 1301 – United States History I	<sup>C</sup> HIST1302 – United States History II
<sup>C*</sup> Any Core Course (minimum 1 credit)	<sup>C</sup> GOVT 2305 – Federal Government
<sup>C</sup> GOVT 2306 – Texas Government	MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods

Total Semester Hours: 14

Total Semester Hours: 16

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
Advanced ENGT Elective	Advanced ENGT Elective
Advanced ENGT Elective	Advanced ENGT Elective
Advanced ENGT Elective	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.**

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.

( ) Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.

<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 pathway,  
contact the Engineering Technology Department at (254)968-9010 or [Engineering.Technology@tarleton.edu](mailto:Engineering.Technology@tarleton.edu).*