



**Computer-Aided Drafting and Design to
Bachelor of Applied Arts and Sciences
Manufacturing and Industrial Management
General Concentration
Guided Pathway
2019-2020 Catalog**



First Year - Collin College

FIRST SEMESTER	SECOND SEMESTER
DFTG 1305 Technical Drafting	DFTG 1372 – SOLIDWORKS Essentials
DFTG 1309 Basic Computer-Aided Drafting	DFTG 2319 – Intermediate Computer-Aided Drafting
^c ENGL 1301 Composition I (010)	DFTG 2328 – Architectural Drafting – Commercial
^c MATH 1314 College Algebra (020)	MATH 1316 – Plane Trigonometry
^c SPCH 1321 – Business & Professional Communication* (090)	

Total Semester Hours: 15

Total Semester Hours: 12

SUMMER SEMESTER

^c HUMA 1301 – Introduction to Humanities I*	Elective *
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Total Semester Hours: 6

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
DFTG 1317 – Architectural Drafting - Residential	DFTG 2350 – Geometric Dimensioning and Tolerancing (Capstone)*
DFTG 1333 – Mechanical Drafting	DFTG 2432 – Advanced Computer-Aided Drafting
DFTG 2373 – Advanced SOLIDWORKS	^c PHYS 1402 – College Physics II (030)
^c PHYS 1401 – College Physics I (030)	^c ECON 2302 – Microeconomics* (080)

Total Semester Hours: 13

Total Semester Hours: 14

AAS: Computer-Aided Drafting and 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 Collin College (if offered) or TSU-Stephenville Campus

^c *Creative Arts Elective (050)	^c GOVT 2306 Texas Government
^c ENGL 1302 Composition II	^c GOVT 2305 Federal Government
^c HIST 1301 United States History I	^c HIST 1302 United States History II
^c *Any Core Applicable Elective (1-3 credits)	

Total Hours: 19-21

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 ENGT Course
Advanced Elective Course	

Total Semester Hours: 15

Total Semester Hours: 12

Fourth Year - Tarleton State University

FIRST SEMESTER
ENGT 3375 Continuous Improvement
Advanced Elective Course
Advanced Elective Course
Advanced Elective Course

Total Semester Hours: 12

Total Degree Hours: 120

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.

^c This course counts for the Core Curriculum at any public college or university in Texas.

^T Degree availability varies by campus; consult 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

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

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

Elective (3 hours) - choose one course from ONE pathway:

Architectural: ARCE 1352 or ARCE 2352

Civil: DFTG 2321 or GISC 1411

Mechanical: RBTC 1305

General: DFTG 1371, COSC 1315, DFTG 1345, ENGL 2311, or ENTC 1323

For questions about the University portion of this guided pathway,
Contact the Engineering Technology Department at (254)968-9010 or Engineering.Technology@tarleton.edu.