



Computer-Aided Drafting and Design to
Bachelor of Applied Arts and Sciences
Manufacturing and Industrial Management
General Concentration
Guided Pathway
2018-2019 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
° ENGL 1301 Composition I	DFTG 2328 – Architectural Drafting – Commercial
° MATH 1314 College Algebra	MATH 1316 – Plane Trigonometry
° Speech course (see list below)	

Total Semester Hours: 15

Total Semester Hours: 12

SUMMER SEMESTER
° Humanities/Fine Arts course (see list below)
Elective (see list below)

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 or DFTG 2381
DFTG 1333 – Mechanical Drafting	DFTG 2432 or COSC 1436
DFTG 2373 – Advanced SOLIDWORKS	° PHYS 1402 – College Physics II (030)
° PHYS 1401 – College Physics I	° Social/Behavioral Sciences course (see list below)

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.

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research and Reporting for Technologists	Advanced ENGT Course
° MATH 1316 Plane Trigonometry OR MATH 1342 Elementary Statistics	° *Creative Arts/Language, Philosophy & Culture Core Elective
Advanced ENGT Course	Advanced ENGT Course
° ENGL 1302 – Composition II	° GOVT 2305 Federal Government
° *Any Core Elective	ENGT 3395 Project Management
SUMMER	
Advanced ENGT Course	° GOVT 2306 Texas Government

Fourth Year - Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3375 Continuous Improvement	° HIST 1302 United States History II
Advanced ENGT Course	Advanced ENGT Course
Advanced Elective Course	Advanced Elective Course
Advanced Elective Course	Advanced Elective Course
° HIST 1301 United States History I	

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.

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

Collin Options:

Humanities/Fine Arts – 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, **ARTS** 1301, 1303, 1304, 1313, **DANC** 2303, **DRAM** 1310, 2361, 2362, 2366, **MUSI** 1306, 1307, 1310

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