



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

Total Semester Hours: 15

Total Semester Hours: 12

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

Total Semester Hours: 6

Second Year - Collin College

It is 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	^c PHYS 1402 – College Physics II (030)
^c PHYS 1401 – College Physics I	^c 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 & Reporting for Technologists	ENGT 4336 Production Planning
MATH 1316 Plane Trigonometry OR MATH 1342 Elementary Statistics	^{*c} Creative Arts/Language, Philosophy & Culture Core Elective
ENGT 3386 Quality Management	Advanced ENGT Course
^c ENGL 1302 – Composition II	^c * Any Core Elective
^c GOVT 2305 Federal Government	ENGT 3395 Project Management
SUMMER	
ENGT 3375 Continuous Improvement	^c GOVT 2306 Texas Government

Fourth Year - Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 4346 Manufacturing Management	ENGT 4347 Metrics and Measurement (Fall Only)
Advanced ENGT Course	^c HIST 1302 United States History II
Advanced Elective Course	Advanced Elective Course
Advanced Elective Course	Advanced Elective Course
^c HIST1301 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.

^c 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