



Computer-Aided Drafting and Design to
Bachelor of Applied Arts and Sciences
Manufacturing and Industrial Management
Industrial Management 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
Ⓒ ENGL 1301 – Composition I (010)	DFTG 2328 – Architectural Drafting – Commercial
Ⓒ MATH 1314 – College Algebra* (020)	MATH 1316 – Plane Trigonometry
Ⓒ SPCH 1321 – Business & Professional Communication* (090)	

Total Semester Hours: 15

Total Semester Hours: 12

SUMMER SEMESTER

Ⓒ HUMA 1301 – Introduction to Humanities I*	Elective *
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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 – Geometric Dimensioning and Tolerancing (Capstone)*
DFTG 1333 – Mechanical Drafting	DFTG 2432 – Advanced Computer-Aided Drafting*
DFTG 2373 – Advanced SOLIDWORKS	Ⓒ PHYS 1402 – College Physics II (030)
Ⓒ PHYS 1401 – College Physics I (030)	Ⓒ 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

Ⓒ ENGL 1302 Composition II	*Ⓒ Creative Arts Core Elective
Ⓒ GOVT 2305 Federal Government	Ⓒ * Any Core Elective (3 credits)
Ⓒ HIST 1301 United States History I	Ⓒ HIST 1302 United States History II
Ⓒ GOVT 2306 Texas Government	

Total Hours: 21

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 4336 Production Planning
Advanced Elective Course	ENGT 3375 Continuous Improvement
ENGT 3386 Quality Management	Advanced ENGT Course
Advanced Elective Course	ENGT 3395 Project Management

Total Semester Hours: 12

Total Semester Hours: 12

Fourth Year - Tarleton State University

FIRST SEMESTER
ENGT 4346 Manufacturing Management
Advanced ENGT Course
Advanced Elective Course
Advanced Elective Course
ENGT 4347 Metrics and Measurement (Fall Only)

Total Semester Hours: 15

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.

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

† Degree availability varies by campus; consult www.tarleton.edu for more information.

***Collin Options:**

Mathematics/Life & Physical Sciences – MATH 1314, 1414, 1316, 1342, 2305, 2318, 2320, 2412, 2413, 2414, 2415, 1324, 1325, 1332, 1350, 1351, BIOL 1406, 1407, 1414, 1415, 2401, 2402, 2406, 2416, 2421, 1408, 1409, 2404, 2420, CHEM 1411, 1412, 2423, 2425, 1405, GEOL, 1401, ENVR 1401, 1402, GEOL 1403, 1404, PHYS 1401, 1402, 2425, 2426, 1402, 1445, 1447, 1403, 1404, 1405, 1410, 1415, 1417

Social and 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 GIS 1411

Mechanical: RBTC 1305

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