

**Associate in Applied Science in  
Computer-Aided Design and Drafting to**  
(With Computer-Aided Design Operator and Advanced Operator Certificates)

**BAAS in Manufacturing and Industrial Management  
Industrial Management Concentration**

**Guided Pathway for DCCCD/Dallas ISD Early College High Schools  
Effective for the 2018-2019 Catalog**



**First Year Courses – Eastfield College**

FIRST SEMESTER	SECOND SEMESTER
<b>ARTC 1302</b> Digital Imaging I* <sup>Δ</sup>	<b>DFTG 2419</b> Intermediate Computer-Aided Drafting
<b>DFTG 1405</b> – Technical Drafting* <sup>Δ</sup>	<b>DFTG 2321</b> Topographical Drafting* <sup>Δ</sup>
<b>SPCH 1311</b> Intro to Speech Communication* <sup>Δ</sup> (090)	<b>DFTG 2428</b> Architectural Drafting-Commercial
<b>DFTG 1409</b> Basic Computer-Aided Drafting	<b>ENGL 1301</b> Composition I (010)
<b>DFTG 1325</b> Blueprint Reading or Sketching* <sup>Δ</sup>	<b>MATH 1324</b> Math for Business & Social Sciences* <sup>Δ</sup> (020)

Total Semester Hours: 17

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**Second Year Courses – Eastfield College**

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

FIRST SEMESTER	SECOND SEMESTER
<b>BCIS 1405</b> – Business Computer Info Systems* <sup>Δ</sup>	<b>MATH 1332</b> – Contemporary Math <sup>Δ</sup>
<b>C</b> Creative Arts Elective* <sup>Δ</sup> (050)	<b>PSYC 2301</b> – General Psychology (080)
<b>DFTG 2432</b> – Advanced Computer-Aided Drafting	<b>DFTG 1495</b> – Special Topics in Mechanical Drafting & Mechanical Drafting CAD/CADD* <sup>Δ</sup>
<b>DFTG 1445</b> – Parametric Modeling and Design	<b>DFTG 1417</b> – Architectural Drafting-Residential
<b>ENGL 1302</b> – Composition II <sup>Δ</sup> (010)	

Total Semester Hours: 18

Total Semester Hours: 14

**AAS: Computer-Aided Design and Drafting (66 hours)**

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	ENGT 3375 Continuous Improvement
MATH 1316 Plane Trigonometry OR Math 1342 Statistics	ENGT 3395 Project Management
ENGT 3386 Quality Management	Advanced ENGT Course
<b>C</b> *Life and Physical Science Core (030)	<b>C</b> *Life and Physical Science Core (030)
<b>C</b> GOVT 2305 U.S. Government & Constitution	<b>C</b> GOVT 2306 Texas Government
SUMMER	
<b>C</b> HIST 1301 United States History I	ENGT 4336 Production Planning
<b>C</b> Language, Philosophy & Culture (040)	<b>C</b> HIST 1302 United States History II

**Fourth Year - Tarleton State University**

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

**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.

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

**Δ** This course is a required option or elective for students enrolled in a DCCCD/Dallas ISD Early College High School at specific colleges. Other elective options are available in the DCCCD degree requirements.

Additional coursework may be required if 36 credits are not awarded for the Occupational Specialization block.

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