# Associate in Applied Science in Computer-Aided Design and Drafting to Computer-Aided Design Operator and Advanced Operator Certificates

## BAAS in Manufacturing and Industrial Management Safety Management Concentration

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

## First Year Courses – Eastfield College

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTC 1302 Digital Imaging I*  ▼</td>
<td>DFTG 2419 Intermediate Computer-Aided Drafting</td>
</tr>
<tr>
<td>DFTG 1405 – Technical Drafting*  ▼</td>
<td>DFTG 2321 Topographical Drafting*  ▼</td>
</tr>
<tr>
<td>SPCH 1311 Intro to Speech Communication*  ▼ (090)</td>
<td>DFTG 2428 Architectural Drafting-Commercial</td>
</tr>
<tr>
<td>DFTG 1409 Basic Computer-Aided Drafting</td>
<td>ENGL 1301 Composition I (010)</td>
</tr>
<tr>
<td>DFTG 1325 Blueprint Reading or Sketching*  ▼</td>
<td>Math for Business &amp; Social Sciences*  (020)</td>
</tr>
</tbody>
</table>

**Total Semester Hours:** 17

## Second Year Courses – Eastfield College

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
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</tr>
</thead>
<tbody>
<tr>
<td>BCIS 1405 – Business Computer Info Systems*  ▼</td>
<td>MATH 1332 – Contemporary Math*  ▼</td>
</tr>
<tr>
<td>Creative Arts Elective*  ▼ (050)</td>
<td>PSYC 2301 – General Psychology (080)</td>
</tr>
<tr>
<td>DFTG 2432 – Advanced Computer-Aided Drafting</td>
<td>DFTG 1495 – Special Topics in Mechanical Drafting &amp; Mechanical Drafting CAD/CADD*  ▼</td>
</tr>
<tr>
<td>DFTG 1445 – Parametric Modeling and Design</td>
<td>DFTG 1417 – Architectural Drafting-Residential</td>
</tr>
<tr>
<td>ENGL 1302 – Composition II*  ▼ (010)</td>
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</tbody>
</table>

**Total Semester Hours:** 18

### 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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGT 3318 – Research and Reporting For Technologists</td>
<td>ENGT 3320 – Industrial Safety</td>
</tr>
<tr>
<td>MATH 1316 – Plane Trigonometry OR MATH 1342 – Statistics</td>
<td>ENGT 3395 – Project Management</td>
</tr>
<tr>
<td>*Life and Physical Science Core Elective (030)</td>
<td>Advanced ENGT Course</td>
</tr>
<tr>
<td>GOVT 2305 – U.S. Government &amp; Constitution</td>
<td>*Life and Physical Science Core Elective (030)</td>
</tr>
<tr>
<td></td>
<td>GOVT 2306 – Texas Government</td>
</tr>
</tbody>
</table>

**SUMMER**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 1301 – United States History I</td>
<td>ENGT 3360 – Safety Management</td>
</tr>
<tr>
<td>*Language, Philosophy &amp; Culture Core Elective (040)</td>
<td>HIST 1302 – United States History II</td>
</tr>
</tbody>
</table>

## Fourth Year - Tarleton State University

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGT 4320 – Occupational Safety and Health</td>
<td>ENGT 3375 – Continuous Improvement</td>
</tr>
<tr>
<td>ENGT 3326 – Ergonomics and Work Methods (Spring Only)</td>
<td>Advanced Elective Course</td>
</tr>
<tr>
<td>Advanced Elective Course</td>
<td>Advanced Elective Course</td>
</tr>
<tr>
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</tbody>
</table>

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.

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

* 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.

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