



**AAS in Engineering Design Technology to  
BAAS in Manufacturing and Industrial Management  
Safety Management Concentration  
Guided Pathway  
2018-2019 Catalog**



**First Year – Tyler Junior College**

FIRST SEMESTER	SECOND SEMESTER
DFTG 2440 – Solid Modeling/Design	DFTG 2450 – Geo. Dimensioning and Tolerancing
TECM 1303 – Technical Calculations	DFTG 1405 – Technical Drafting
<sup>c</sup> EDUC 1300 – Learning Framework (090)	DFTG 1417 – Architectural Drafting – Residential
ITSC 1309 – Integrated Software Applications I	<sup>c</sup> ENGL 1301 – Composition I (010)
DFTG 1409 – Basic Computer-Aided Drafting	

**Second Year – Tyler Junior College**

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

FIRST SEMESTER	SECOND SEMESTER
DFTG 2300 – Intermediate Arch. Drafting – Residential	DFTG 2330 – Civil Drafting *
DFTG 2306 – Machine Design	MCHN 1319 – Manufacturing Materials and Processes
<sup>c</sup> PHYS 1405 – Elementary Physics I (030)	<sup>c</sup> ENGL 2311 – Technical & Business Writing (090)
DFTG 2321 – Topographical Drafting	<sup>c</sup> SPCH 1321 – Business & Professional Communication (010)
<sup>c</sup> ENGL 2332 – World Literature I * (040)	

**AAS: Engineering Design Technology**

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
<sup>c</sup> MATH 1316 Plane Trigonometry OR Math 1342 Statistics	<sup>c</sup> *Math Core Elective (020)
ENGT 3320 Industrial Safety	Advanced ENGT Course
<sup>c</sup> *Life and Physical Science (030)	<sup>c</sup> *Social & Behavioral Science (080)
<sup>c</sup> GOVT 2306 Texas Government	<sup>c</sup> *Visual & Performing Arts (050)

**Fourth Year - Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 4320 Occupational Safety and Health	ENGT 3326 Ergonomics and Work Methods
Advanced ENGT Course	Advanced Elective Course
ENGT 3395 Project Management	Advanced Elective Course
Advanced Elective Course	Advanced Elective Course
<sup>c</sup> HIST1301 United States History I	<sup>c</sup> HIST 1302 United States History II
SUMMER	
<sup>c</sup> GOVT 2305 Federal Government	ENGT 3360 Safety Management

**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.

<sup>c</sup> This course counts for the Core Curriculum at any public college or university in Texas.

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](mailto:Engineering.Technology@tarleton.edu).