



**AAS in Engineering Design Technology to
Bachelor of Applied Arts and Sciences in
Manufacturing and Industrial Management
Safety Management Concentration †**



**Guided Pathway
2019-2020 Catalog**

First Year – Tyler Junior College

FIRST SEMESTER	SECOND SEMESTER
DFTG 1409 – Basic Computer-Aided Drafting	DFTG 2450 – Geo. Dimensioning and Tolerancing
DFTG 2440- Solid Modeling/Design	DFTG 1405 – Technical Drafting
TECM 1303 – Technical Calculations *	DFTG 1417 – Architectural Drafting – Residential
Ⓒ EDUC 1300 – Learning Framework (090) *	Ⓒ ENGL 1301 – Composition I (010)
ITSC 1309 – Integrated Software Applications I	Total semester hours: 15
Total semester hours: 17	

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	MCHN 1319 – Manufacturing Materials and Processes
DFTG 2306 – Machine Design	DFTG 1358 – Electrical/Electronics Drafting *
Ⓒ PHYS 1405 – Elementary Physics I (030)	Ⓒ ENGL 2311 – Technical & Business Writing (090)
DFTG 2321 – Topographical Drafting	Ⓒ SPCH 1321 – Business & Prof. Communication (010) *
Ⓒ XXXX X3XX – Language, Philosophy and Culture Core * (040)	Total semester hours: 12
Total semester hours: 16	

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.

These courses may be taken at Tyler Junior College or TSU

Ⓒ GOVT 2306 – Texas Government	Ⓒ ENGL 1302 – Composition II
Ⓒ* Life and Physical Science Core Elective	Ⓒ* Creative Arts Core Elective
Ⓒ HIST 1301 – United States History I	Ⓒ HIST 1302 – United States History II
Ⓒ* Math Core Elective	Ⓒ GOVT 2305 – Federal Government
MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods	Ⓒ* Social and Behavioral Science Core Elective
Total Semester Hours: 16	Total Semester Hours: 14

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
Advanced ENGT Elective	ENGT 4320 Occupational Safety and Health
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
ENGT 3326 Ergonomics and Work Methods (Spring Only)	ENGT 3360 Safety Management
ENGT 3320 Industrial Safety	Advanced ENGT Elective
Total Semester Hours: 12	Total Semester Hours: 12

Fourth Year – Tarleton State University

FIRST SEMESTER
ENGT 3375 Continuous Improvement
Advanced Elective
Advanced Elective
Advanced Elective
Advanced Elective

Total Semester Hours: 15

Total: 129

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.

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

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