



**AAS in Engineering Design Technology to  
Bachelor of Applied Arts and Sciences in  
Manufacturing and Industrial Management  
Industrial Management Concentration <sup>T</sup>**



**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
<sup>C</sup> EDUC 1300 – Learning Framework (090) *	<sup>C</sup> 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 *
<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 & Prof. Communication (010) *
<sup>C</sup> 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**

<sup>C</sup> GOVT 2306 – Texas Government	<sup>C</sup> ENGL 1302 – Composition II
<sup>C*</sup> Life and Physical Science Core Elective	<sup>C*</sup> Creative Arts Core Elective
<sup>C</sup> HIST 1301 – United States History I	<sup>C</sup> HIST1302 – United States History II
<sup>C*</sup> Math Core Elective	<sup>C</sup> GOVT 2305 – Federal Government
MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods	<sup>C*</sup> 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 4336 Production Planning
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
ENGT 3375 Continuous Improvement	ENGT 4346 Manufacturing Management
ENGT 3386 Quality Management	Advanced ENGT Elective
Total Semester Hours: 12	Total Semester Hours: 12

**Fourth Year – Tarleton State University**

FIRST SEMESTER
ENGT 4347 Metrics and Measurement (Fall Only)
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.

<sup>C</sup> 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.

<sup>T</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.