



**AAS in Process Piping Design to  
Bachelor of Applied Arts and Sciences in  
Manufacturing and Industrial Management  
General Without Certification 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 1405 – Technical Drafting
DFTG 2440 – Solid Modeling/Design	DFTG 1472 – Process Piping Design II
DFTG 1471 – Process Piping Design I	<sup>C</sup> EDUC 1300 – Learning Framework (090)
ITSC 1309 – Integrated Software Applications I	<sup>C</sup> XXXX X3XX – Lang., Phil. and Culture Core * (040)
TECM 1303 – Technical Calculations *	Total semester hours: 14
Total semester hours: 18	

**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 2470 – Process Piping Design III	DFTG 2471 – Process Piping Design IV
<sup>C</sup> ENGL 1301 – Composition I (010)	ARCE 1452 – Structural Drafting
<sup>C</sup> SPCH 1321 – Business & Prof. Communication (010) *	DFTG 1358 – Electrical/Electronics Drafting *
<sup>C</sup> PHYS 1405 – Elementary Physics I (030)	<sup>C</sup> ENGL 2311 – Technical & Business Writing (090)
Total semester hours: 14	Total semester hours: 14

**AAS: Process Piping Design**

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> Creative Arts Core Elective	<sup>C</sup> ENGL 1302 – Composition II
<sup>C</sup> GOVT 2306 – Texas Government	<sup>C*</sup> Life and Physical Science 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: 15	Total Semester Hours: 16

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
Advanced ENGT Elective	Advanced ENGT Elective
Advanced ENGT Elective	Advanced ENGT Elective
Advanced ENGT Elective	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: 130

**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.