



**AAS in Process Piping Design to  
BAAS in Manufacturing and Industrial Management  
Industrial Management Concentration**



**Guided Pathway  
Effective for the 2018-2019 Catalog**

**First Year – Tyler Junior College**

FIRST SEMESTER (18 SCH)	SECOND SEMESTER (14 SCH)
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	TECM 1303 – Technical Calculations
ITSC 1309 – Integrated Software Applications I	ENGL 2332 – World Literature I * (040)
EDUC 1300 – Learning Framework (090)	

**Second Year – Tyler Junior College**

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

FIRST SEMESTER (14 SCH)	SECOND SEMESTER (14 SCH)
DFTG 2470 – Process Piping Design III	DFTG 2471 – Process Piping Design IV
ENGL 1301 – Composition I (010)	ARCE 1452 – Structural Drafting
SPCH 1321 – Business & Professional Communication (010)	DFTG 1358 – Electrical/Electronics Drafting
PHYS 1405 – Elementary Physics I (030)	ENGL 2311 – Technical & Business Writing (090)

**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.

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research and Reporting For Technologists	ENGT 4336 Production Planning
ENGL 1316 Plane Trigonometry OR Math 1342 Statistics	ENGT 3395 Project Management
ENGT 3386 Quality Management	Advanced ENGT Course
*Life and Physical Science Core (030)	*Social and Behavioral Science (080)
	*Visual & Performing Arts
SUMMER SEMESTER	
*Math Core Elective	GOVT 2306 Texas Government

**Fourth Year - Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 4346 Manufacturing Management	ENGT 3375 Continuous Improvement
ENGT 4347 Metrics and Measurements	Advanced Elective Course
Advanced ENGT Course	Advanced Elective Course
Advanced Elective Course	Advanced Elective Course
HIST1301 United States History I	HIST 1302 United States History II
SUMMER SEMESTER	
	GOVT 2305 Federal Government

**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.

ENGL 1301 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).