



**Associate of Applied Science to  
BAAS in Manufacturing and Industrial Management  
Guided Pathway  
2018-2019 Catalog**



**First Year – NCTC**

FIRST SEMESTER	SECOND SEMESTER
<b>DFTG 1309</b> – Basic Computer-Aided Drafting	<b>ELPT 1319</b> – Fundamentals of Electricity I
<b>INMT 1305</b> – Intro to Industrial Maintenance	<b>ELPT 1341</b> – Motor Control
<b>HYDR 1345</b> – Hydraulics and Pneumatics	<b>ELPT 2305</b> – Motors and Transformers
<b>INMT 2303</b> – Pumps, Compress. & Mech Drives	<b>ELPT 2319</b> – Programmable Logic Controllers I
	<b>TECM 1301</b> – Industrial Mathematics
SUMMER	
<b>INMT 2345</b> – Industrial Troubleshooting	

**Second Year – NCTC**

It is best to apply to [university] a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

FIRST SEMESTER	SECOND SEMESTER
<b>ELPT 1325</b> – National Electrical Code I	<b>INMT 2380</b> – Co. Ed. – Manufacturing Tech.
<b>SPCH 1318</b> – Interpersonal Communication*	<b>MATH 1314</b> – College Algebra
<b>OSHT 1320</b> – Energy Industrial Safety	<b>ARTS 1301</b> – Art Appreciation
<b>BMGT 2309</b> – Leadership	<b>BMGT 1327</b> – Principles of Management
<b>ENGL 1301</b> – Composition I	<b>HIST 1301</b> – United States History I

**AAS: Industrial Mechanics**

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
<b>ENGT 3303</b> Industrial Materials	<b>ENGT 4336</b> Production Planning
<b>MATH 1316</b> Plane Trigonometry OR Math 1342 Statistics	<b>ENGT 3395</b> Project Management
<b>ENGT 3386</b> Quality Management	Advanced ENGT Course
<b>ENGL 1302</b> – Composition II	*Science Core
*Science Core	*Social & Behavioral Science
SUMMER	
<b>GOVT 2306</b> Texas Government	

**Fourth Year - Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
<b>ENGT 4346</b> Manufacturing Management	<b>ENGT 3375</b> Continuous Improvement
Advanced ENGT Course	Advanced ENGT Course
Advanced ENGT Course	Advanced ENGT Course
Advanced ENGT Course	Advanced ENGT Course
*Humanities Core	<b>HIST 1302</b> United States History II
SUMMER	
<b>GOVT 2305</b> Federal Government	

**This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.**

- \* 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. Sometimes, taking a specific course to meet a Core requirement will also fulfill other requirements for your degree. If this course meets more than one requirement it is listed as the correct option (with no asterisk).

*For questions about the University portion of this guided pathway,  
Contact the Academic Advising Office at [Tarleton State University](http://www.tarleton.edu).*