



**Associate of Applied Science to  
BAAS in Manufacturing and Industrial Management  
Guided Pathway  
Effective for the 2017-2018 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.
<sup>c</sup> <b>SPCH 1318</b> – Interpersonal Communication*	<sup>c</sup> <b>MATH 1314</b> – College Algebra
<b>OSHT 1320</b> – Energy Industrial Safety	<sup>c</sup> <b>ARTS 1301</b> – Art Appreciation
<b>BMGT 2309</b> – Leadership	<b>BMGT 1327</b> – Principles of Management
<sup>c</sup> <b>ENGL 1301</b> – Composition I	<sup>c</sup> <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
<sup>c</sup> <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
<sup>c</sup> <b>ENGL 1302</b> – Composition II	<sup>c</sup> *Science Core
<sup>c</sup> *Science Core	<sup>c</sup> * Social & Behavioral Science
SUMMER	
<sup>c</sup> <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
<sup>c</sup> *Humanities Core	<sup>c</sup> <b>HIST 1302</b> United States History II
SUMMER	
<sup>c</sup> <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.

<sup>c</sup> 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](#).