

**Guided Pathway**

**Effective for the 2019-2020 Catalog**

**First Year – NCTC**

<b>FIRST SEMESTER</b>	<b>SECOND SEMESTER</b>
<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
<b>SUMMER</b>	
<b>INMT 2345</b> – Industrial Troubleshooting	

Total Semester Hours: 15

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**Second Year – NCTC**

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

<b>FIRST SEMESTER</b>	<b>SECOND SEMESTER</b>
<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

Total Semester Hours: 15

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**AAS: Industrial Mechanics**

**These courses may be taken at NCTC (if offered) or TSU-Stephenville Campus**

<b>ENGL 1302</b> – Composition II	<b>Any Core Elective</b> (minimum 1 credit)
<b>*Life and Physical Science Core Elective (030)</b> (4 credits)	<b>*Life and Physical Science Core Elective (030)</b> (4 credits)
<b>MATH 1316</b> Plane Trigonometry OR <b>Math 1342</b> Statistics	<b>Social &amp; Behavioral Science</b>
<b>GOVT 2306</b> Texas Government	<b>GOVT 2305</b> Federal Government
<b>*Language, Philosophy and Culture</b>	<b>HIST 1302</b> United States History II

Total Semester Hours: 16

Total Semester Hours: 14

**Third Year – Tarleton State University**

<b>FIRST SEMESTER</b>	<b>SECOND SEMESTER</b>
Advanced ENGT Elective	<b>ENGT 4320</b> Occupational Safety and Health
<b>ENGT 3318</b> Research & Reporting for Technologists	<b>ENGT 3395</b> Project Management
<b>ENGT 3326</b> Ergonomics and Work Methods (Spring Only)	<b>ENGT 3360</b> Safety Management
<b>ENGT 3320</b> Industrial Safety	Advanced ENGT Elective

Total Semester Hours: 12

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**Fourth Year – Tarleton State University**

<b>FIRST SEMESTER</b>
<b>ENGT 3375</b> Continuous Improvement
Advanced Elective
Advanced Elective
Advanced Elective
Advanced Elective

Total Semester Hours: 15

Total Degree Hours: 129

**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).
- † Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.