

### 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	

Total Semester Hours: 15

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### Second Year – NCTC

It is best to apply to [university] a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
<b>ELPT 1325</b> – National Electrical Code I	<b>C</b> MATH 1314 – College Algebra*
<b>C</b> SPCH 1318 – Interpersonal Communication*	<b>C</b> ARTS 1301 – Art Appreciation
<b>OSHT 1320</b> – Energy Industrial Safety	<b>BMGT 1327</b> – Principles of Management
<b>BMGT 2309</b> – Leadership	<b>GOVT 2306</b> – Texas Government
<b>C</b> ENGL 1301 – Composition I	<b>C</b> INMT 2380 – Cooperative Education – Manufacturing Technology/Technician

Total Semester Hours: 15

Total Semester Hours: 13

### AAS: Industrial Mechanics

These courses may be taken at NCTC (if offered) or TSU

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

Total Semester Hours: 16

Total Semester Hours: 14

### Third Year – Tarleton State University

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

Total Semester Hours: 12

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### Fourth Year – Tarleton State University

FIRST SEMESTER
ENGT 3375 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.

**C** 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.