

Effective for the 2020-2021 Catalog

First Year – NCTC

FIRST SEMESTER	SECOND SEMESTER
DFTG 1309 – Basic Computer-Aided Drafting	ELPT 1319 – Fundamentals of Electricity I
INMT 1305 – Intro to Industrial Maintenance	ELPT 1341 – Motor Control
HYDR 1345 – Hydraulics and Pneumatics	ELPT 2305 – Motors and Transformers
INMT 2303 – Pumps, Compress. & Mech Drives	ELPT 2319 – Programmable Logic Controllers I
	TECM 1301 – Industrial Mathematics
SUMMER	
INMT 2345 – 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
ELPT 1325 – National Electrical Code I	C MATH 1314 – College Algebra.
C SPCH 1318 – Interpersonal Communication*	C ARTS 1301 – Art Appreciation
OSHT 1320 – Energy Industrial Safety	BMGT 1327 – Principles of Management
BMGT 2309 – Leadership	GOVT 2306 – Texas Government (Texas Constitution & Topics)
C ENGL 1301 – Composition I	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

C ENGL 1302 – Composition II	C Any Core Elective (minimum 1 credit)
C* Life and Physical Science Core Elective (030) (4 credits)	C* Life and Physical Science Core Elective (030) (4 credits)
MATH 1316 Plane Trigonometry OR Math 1342 Statistics	C* Social & Behavioral Science
C GOVT 2306 Texas Government	C GOVT 2305 Federal Government
C* Language, Philosophy and Culture	C 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 4336 Production Planning
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
ENGT 3375 Continuous Improvement	ENGT 4346 Manufacturing Management
ENGT 3386 Quality Management	Advanced ENGT Elective

Total Semester Hours: 12

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Fourth Year – Tarleton State University

FIRST SEMESTER
ENGT 4347 Metrics and Measurement (Fall Only)
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 for more information.