

Associate of Applied Science in Engineering Technology – Electronics Technology to BAAS in Manufacturing and Industrial Management Industrial Management Concentration ^T Guided Pathway Effective for the 2019-2020 Catalog¹



First Year Courses - Richland College²

FIRST SEMESTER	SECOND SEMESTER
DFTG 1309 – Basic Computer-Aided Drafting	cENGL 1301 – Composition I (010)
MCHN 1300 – Beginning Machine Shop	INTC 1307 – Instrumentation Test Equipment
CETT 1403 – DC Circuits	CETT 1405 – AC Circuits
TECM 1341 – Technical Algebra <u>OR</u>	CETT 1425 – Digital Fundamentals
^c MATH 1314 – College Algebra (020) ³	
	TECM 1317 – Technical Trigonometry <u>OR</u>
	CMATH 1316 – Plane Trigonometry (020) ⁴

Total Semester Hours: 13

Total Semester Hours: 17

Second Year Courses - Richland College

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

FIRST SEMESTER	SECOND SEMESTER
INMT 1417 – Industrial Automation <u>OR</u> COSC 1436 – Programming Fundamentals I	TECM 1349 – Technical Math Applications
CETT 1429 – Solid State Devices	^c Social/Behavioral Science Elective* (080)
HYDR 1345 – Hydraulics and Pneumatics	CHumanities/Fine Arts Elective* (040 OR 050)
CPHYS 1401 – College Physics I (030) OR CPHYS 1405 – Elementary Physics I (030)	CETT 1357 – Linear Integrated Circuits <u>OR</u> CETT 2337 – Microcomputer Control <u>OR</u> ENTC 2380 – Cooperative Education–Engineering Technology, General
CSPCH 1311 – Introduction to Speech Communication (090) OR CSPCH 1315 – Public Speaking (090)	

Total Semester Hours: 18

Total Semester Hours: 12

AAS: Engineering Technology – Electronics Technology (60 hours)

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

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These courses may be completed at Richland College (if offered) or TSU-Stephenville Campus				
CHIST 1302 – United States History II (060)	CGOVT 2306 – Texas Government (070)			
C* Language, Philosophy and Culture Core Elective (040) OR Creative Arts Core Elective (050)	CENGL 1302 – Composition II (010)			
C*Any Core Elective (1-3 credits) (090)	^c GOVT 2305 – Federal Government (070)			
CHIST 1301 – United States History I (060)	C*Life and Physical Science Core Elective (030) (4 credits)			

Total Hours: 23-25

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

Total Semester Hours: 12

Fourth Year - Tarleton State University

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FIRST SEMESTER		
ENGT 4347 Metrics and Measurement (Fall Only)		
Advanced Elective		

Total Semester Hours: 15

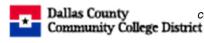
Total Degree Hours: 122-124

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

Part-time students may also follow this sequence. Developmental coursework may be required.

- 1 You may use this pathway if you entered one of the seven colleges on or before this date.
- 2 Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven colleges of the DCCCD awarding the degree.
- **C** This course counts for the Core Curriculum at any public college or university in Texas.
- * There are several options to fulfill this requirement. See your academic advisor for a specific list.

You must earn a grade of "C" or better in English 1301 and the selected college-level mathematics and science courses.





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● RLC

() Course numbers shown in parentheses are equivalent to these courses at Tarleton State University. **Approved: 2019-2020 Guided Pathway**

- ^T Degree availability varies by campus; consult <u>www.tarleton.edu</u> for more information.
- ³TSÜ requires MATH 1314
- ⁴ TSU requires MATH 1316