



AAS in Electronics Technology-Advanced Energy Technician to
Bachelor of Applied Arts and Sciences in
Manufacturing and Industrial Management
General Without Certification Concentration^T
Guided Pathway
2019-2020 Catalog



First Year - Tarrant County College District

FIRST SEMESTER	SECOND SEMESTER
MATH 1314 (020) – College Algebra ^{C*}	CETT 1441 – Solid State Circuits
CETT 1409 – DC-AC Circuits	CETT 1445 – Microprocessor
CETT 1449 – Digital Systems	ENGL 1301 (010) – Composition I ^C
RBTC 1401 – Programmable Logic Controls	PTRT 1313 – Industrial Safety

Total Semester Hours: 15

Total Semester Hours: 14

Second Year – Tarrant County College District

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

FIRST SEMESTER	SECOND SEMESTER
CETT 2435 – Advanced Microprocessors	CSIR 1459 – Digital Data Communication
ELMT 1402 – Solar Photovoltaic Systems [*]	RBTC 1351 – Robotic Mechanisms
GOVT 2305 (070) – Federal Government ^{C*}	ARTS 1301 (050) – Art Appreciation ^{C*}
ELMT 2337 – Electronics Troubleshooting, Service, Repair	WIND 2459 – Wind Power Delivery System [*]
	SPCH 1321 (010) – Business & Prof Comm ^{C*}

Total Semester Hours: 14

Total Semester Hours: 17

AAS: Electronics Technology – Advanced Energy Technician

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

These courses may be completed at TCC (if offered) or TSU-Stephenville Campus

^{C*} Life and Physical Science Core Elective (4 credits) (030)	^{C*} Life and Physical Science Core Elective (4 credits) (030)
^C HIST 1301 – United States History I	^C HIST1302 – United States History II
^{C*} Any Core Course (090) (1 credit minimum)	^{C*} Language, Philosophy and Culture Core Elective (040)
MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods	^C ENGL 1302 – Composition II
^C GOVT 2306 – Texas Government	^{C*} Social and Behavioral Science Core Elective (080)

Total Semester Hours: 14

Total Semester Hours: 16

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
Advanced ENGT Elective	Advanced ENGT Elective
Advanced ENGT Elective	Advanced ENGT Elective
Advanced ENGT Elective	Advanced ENGT Elective

Total Semester Hours: 12

Total Semester Hours: 12

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.

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

^{*} 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.

⁽⁾ Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.

^T Degree availability varies by campus; consult www.tarleton.edu for more information.