



AAS in Electronics Technology – Robotics and Automation to
 BAAS in Manufacturing and Industrial Management
 Industrial Management 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	GOVT 2305 (080) – Federal Government ^C
CETT 1449 – Digital Systems	RBTC 1351 – Robotic Mechanisms
RBTC 1401 - Programmable Logic Controls	CETT 1445 – Microprocessor

Second Year – Tarrant County College District

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

FIRST SEMESTER	SECOND SEMESTER
ARTS 1301 (050) – Art Appreciation ^{C*}	ELMT 2337 – Electronics Troubleshooting, Service, Repair
CETT 2435 – Advanced Microprocessors	ELPT 2455 – Programmable Logic Control II
ENGL 1301 (010) – Composition I ^C	RBTC 2445 – Robot Application, Set-Up & Testing (Capstone)
RBTC 1447 – Electro-Mechanical Devices	SPCH 1321 (010) – Business & Prof Comm ^{C*}
HYDR 1345 – Hydraulics and Pneumatics	

AAS: Electronics Technology – Robotics and Automation

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 GOVT 2306 – Texas Government	^{C*} Language, Philosophy and Culture Core Elective (040)
MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods	^C ENGL 1302 – Composition II
^{C*} Any Core Elective (090) (1 credit minimum)	^{C*} Social and Behavioral Science Core Elective (080)

Total Semester Hours: 13

Total Semester Hours: 16

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: 129-131

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.

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