

**Associate of Applied Science in
Advanced Manufacturing/Mechatronics Technology to
BAAS in Manufacturing and Industrial Management
Safety Management Concentration
Guided Pathway DCCCD/Dallas ISD Early College High Schools
Effective for the 2018-2019 Catalog**

First Year Courses – Eastfield College

FIRST SEMESTER	SECOND SEMESTER
ELMT 1405 – Basic Fluid Power	^c Creative Arts Elective*^Δ (050)
CETT 1403 – DC Circuits	CETT 1429 – Solid State Devices
^c SPCH 1311 – Intro to Speech Communications* ^Δ (090)	MATH 1316 – Plane Trigonometry ^Δ
CETT 1405 – AC Circuits	^c PSYC 2301 – General Psychology* ^Δ (080)
^c MATH 1314 – College Algebra* ^Δ (020)	MFGT 1404 – Automated Manufacturing

Total Semester Hours: 18

Total Semester Hours: 17

Second Year Courses – Eastfield College

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

FIRST SEMESTER	SECOND SEMESTER
^c ENGL 1301 – Composition I (010)	ENGL 1302 – Composition II ^Δ (010)
CETT 1425 – Digital Fundamentals	CETT 1449 – Digital Systems
MFGT 1406 – Mechanical Principles in Automated Manufacturing	MFGT 2459 – Industrial Automation II
ELPT 2419 – Programmable Logic Controllers I	CETT 1441 – Solid State Circuits
EECT 1191 – Special Topics in Electrical, Electronic and Comms Engineering Technology/Technician* ^Δ	

Total Semester Hours: 16

Total Semester Hours: 15

AAS: Advanced Manufacturing/Mechatronics Technology (66 hours)

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

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3360 – Safety Management	ENGT 3320 – Industrial Safety
ENGT 3318 – Research and Reporting For Technologists	ENGT 3395 – Project Management
^c Institutional Option Core Elective (090)	Advanced ENGT Course
^c Language, Philosophy & Culture Core Elective (040)	^c *Life and Physical Science Core Elective (030)
^c *Life and Physical Science Core Elective (030)	^c
SUMMER	
Advanced ENGT Course	^c GOVT 2306 – Texas Government

Fourth Year - Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 4320 – Occupational Safety and Health	ENGT 3375 – Continuous Improvement
Advanced Elective Course	Advanced Elective Course
Advanced Elective Course	Advanced Elective Course
^c HIST1301 – United States History I	^c GOVT 2305 – Federal Government
ENGT 3326 – Ergonomics and Work Methods (Spring Only)	^c HIST 1302 – United States History II

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.

^Δ This course is a required option or elective for students enrolled in a DCCCD/Dallas ISD Early College High School at specific colleges. Other elective options are available in the DCCCD degree requirements.

Additional coursework may be required if 36 credits are not awarded for the Occupational Specialization block.