

TRANSFER PATHWAY
(For Transfer to Tarleton State University)
ASSOCIATE OF APPLIED SCIENCE IN ADVANCED MANUFACTURING/MECHATRONICS TECHNOLOGY TO
BACHELOR OF APPLIED ARTS AND SCIENCES IN MANUFACTURING AND INDUSTRIAL MANAGEMENT ^T

Catalog Year 2021-2022 You may use this pathway if you entered Dallas College on or before this date.

Career Path Manufacturing and Industrial Technologies

Available at Eastfield Campus

TSI Must be Complete

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

Although there may be several options to fulfill certain requirements for the associate's degree, please note that this pathway lists the specific courses leading to this bachelor's degree. All plans can be modified to fit the needs of part-time students. This is not an official degree plan. Refer to catalog for official degree requirements. You must receive a GPA of at least 2.00 on all college-level course work. Students must earn at least 25% of the credit hours required for graduation through instruction by Dallas College. Certain courses for this program are only offered at the Eastfield Campus. Contact your advisor for information.

AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS

SEMESTER 1 Total Hours: 15

CETT 1403 – DC Circuits

ELMT 1405 – Basic Fluid Power

ENGL 1301 – Composition I *This is a (CB 010) Core course. You must earn a grade of "C" or higher.*

CHOOSE ONE: **MATH 1314** – College Algebra *This is a (CB 020) Core course. You must earn a grade of "C" or higher.* **OR**
MATH 1332 – Contemporary Mathematics *This is a (CB 020) Core course. You must earn a grade of "C" or higher.*

CHOOSE ONE: **EECT 1104** – Electronic Soldering **OR**

EECT 1191 – Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician

SEMESTER 2 Total Hours: 15

MFGT 1404 – Automated Manufacturing

CETT 1405 – AC Circuits

CETT 1429 – Solid State Devices

CHOOSE ONE: **SPCH 1311** – Introduction to Speech Communication **OR**
SPCH 1315 – Public Speaking *These are (CB 090) Core courses.*

SEMESTER 3 Total Hours: 15

MFGT 1406 – Mechanical Principles in Automated Manufacturing

CETT 1425 – Digital Fundamentals

ELPT 2419 – Programmable Logic Controllers I

Humanities/Fine Arts (TSU requires) Core Elective *This is a (CB 040 or CB 050) Core course. There are several options to fulfill this requirement. Contact your academic advisor for a specific list.*

SEMESTER 4 Total Hours: 15

MFGT 2459 – Industrial Automation II

Technical Elective* (one course)

Social/Behavioral Science Core Elective *This is a (CB 080) Core course. There are several options to fulfill this requirement. Contact your academic advisor for a specific list.*

CHOOSE ONE: **CETT 1441** – Solid State Circuits *Capstone course for the degree.* **OR**

CETT 2480 – Cooperative Education-Computer Engineering Technology/Technician *Capstone course for the degree.*

*Technical elective must be selected from the following: CETT 1407, CETT 1449, CETT 2480, CETT 2481, CPMT 1403, EECT 1491, HART 1407, MCHN 1454, WLDG 1471. Only one cooperative education course can be taken in any one semester.

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THESE COURSES MAY BE COMPLETED AT DALLAS COLLEGE (IF OFFERED) OR TSU

Total Hours: 30

ENGL 1302 – Composition I
Life and Physical Science Core Elective (4 credits) X 2
HIST 1301 – US History I
HIST 1302 – US History II
GOVT 2305 – Federal Government
GOVT 2306 – Texas Government
Language, Philosophy and Culture Core Elective
MATH 1316 Plane Trigonometry or MATH 1342 Elementary Statistical Methods
Any 1 Credit Core Elective

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

For questions about the university portion of this transfer pathway, contact the **Academic Advising Office at (254) 968-9746 or advising@tarleton.edu**. It is best to apply to Tarleton State University a full semester before you plan to transfer.

SEMESTER 1

Total Hours: 15

Tarleton Course
Tarleton Course
Tarleton Course
Tarleton Course
Tarleton Course

SEMESTER 2

Total Hours: 12

Tarleton Course
Tarleton Course
Tarleton Course
Tarleton Course

SEMESTER 3

Total Hours: 12

Tarleton Course
Tarleton Course
Tarleton Course
Tarleton Course

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