

TRANSFER PATHWAY
(For Transfer to Tarleton State University)
ASSOCIATE OF APPLIED SCIENCE IN ADVANCED MANUFACTURING 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 Richland 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 Richland Campus. Contact your advisor for information.

AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS

SEMESTER 1 Total Hours: 15

INMT 1319 – Manufacturing Processes

MCHN 1320 – Precision Tools and Measurement

DFTG 1309 – Basic Computer-Aided Drafting

CHOOSE ONE: **MATH 1314** – College Algebra (TSU requires) *This is a (CB 020) Core course. You must earn a grade of "C" or higher.* **OR**
TECM 1341 – Technical Algebra *You must earn a grade of "C" or higher.*

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

SEMESTER 2 Total Hours: 15

MCHN 1326 – Introduction to Computer-Aided Manufacturing (CAM)

MCHN 1338 – Basic Machine Shop I

DFTG 2332 – Advanced Computer-Aided Drafting

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.*

CHOOSE ONE: **MATH 1316** – Plane Trigonometry (TSU requires) *This is a (CB 020) Core course. You must earn a grade of "C" or higher.* **OR**
TECM 1317 – Technical Trigonometry *You must earn a grade of "C" or higher.*

SEMESTER 3 Total Hours: 13

MCHN 1352 – Intermediate Machining I

MCHN 2331 – Operation of CNC Turning Centers

CHOOSE ONE: **DFTG 1345** – Parametric Modeling and Design **OR**

DFTG 2335 – Advanced Technologies in Mechanical Design and Drafting

CHOOSE ONE: **PHYS 1401** – College Physics I *This is a (CB 030) Core course.* **OR**

PHYS 1405 – Elementary Physics I *This is a (CB 030) Core course.*

SEMESTER 4 Total Hours: 17

MCHN 2447 – Specialized Tools and Fixtures *This is the capstone course for this award.*

MCHN 2435 – Advanced CNC Machining

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

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: **INMT 2381** – Cooperative Education-Manufacturing Technology/Technician **OR**
MCHN 1393 – Special Topics in Tool and Die Maker/Technologist and Drafting

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

Total Hours: 23

ENGL 1302 – Composition I
Life and Physical Science Core Elective (4 credits)
HIST 1301 – US History I
HIST 1302 – US History II
GOVT 2305 – Federal Government
GOVT 2306 – Texas Government
Language, Philosophy and Culture Core Elective
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.