

## TRANSFER PATHWAY



(For Transfer to **Midwestern State University**)  
**ASSOCIATE OF APPLIED SCIENCE IN ADVANCED MANUFACTURING TO**  
**Online BACHELOR OF Applied Arts and Sciences**  
**Technology Concentration**

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 *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 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 *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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**SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS**

For questions about the University portion of this transfer pathway, Contact the MSU BAAS Advising Office at 940 397-4400 or email [baas@msutexas.edu](mailto:baas@msutexas.edu) It is best to apply to Midwestern State University a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

**SEMESTER 1**

**Total Hours: 15**

**Life & Physical Science Core**

**Creative Arts Core**

**HIST 1133 (1301) Core**

**POLS 1333 (GOVT) Core**

**Undergraduate Inquiry & Creativity Core**

**SEMESTER 2**

**Total Hours: 15**

**HIST 1233 (1302) Core**

**POLS 1433 (GOVT) Core**

**Cultural Global Understanding Core**

**TECH 3103 – Safety Technology**

**TECH 3113 – Quality Technology**

**SEMESTER 3**

**Total Hours: 15**

**TECH 3133 – Manufacturing Technology**

**TECH 3143 – Production Planning**

**TECH 3153 – Project Planning**

**TECH 3163 – Supply Technology**

**TECH 4103 - Innovation**

**SEMESTER 4**

**Total Hours: 15**

**TECH 4113 – Facilities Design**

**TECH 4123 – Energy Technology**

**TECH 4133 – Construction Technology**

**BAAS 3113, Internship or Elective Course**

**BAAS 4113, Capstone**