

# TRANSFER PATHWAY (For Transfer to Tarleton State University) ASSOCIATE OF SCIENCE IN MATHEMATICS TO BACHELOR OF SCIENCE IN MATHEMATICS - PRE-ACTUARIAL<sup>T</sup>

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

Career Path: Engineering, Technology, Mathematics and Sciences

Available at: All Campuses

TSU: Must be Complete

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

The Associate of Science degree with courses in this pathway provides a foundation in Mathematics to prepare you to transfer to a university to earn a bachelor's degree. 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. Contact your advisor for information.

AS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS

### PATHWAY REQUIREMENTS

Total Hours: 10

The following are prerequisite courses for MATH 2413, MATH 1314, MATH 1316 and MATH 2412

### SEMESTER 1

Total Hours: 14

ENGL 1301 – Composition I This is a (CB 070) Core course. Must earn a grade of "C" or higher.  
 HIST 1301 – United States History I This is a (CB 060) Core course.  
 MATH 2413 – Calculus This is a (CB 020) Core course. Must earn a grade of "C" or higher. Prerequisite of MATH 1314, MATH 1316, MATH 2412, prior to enrolling in the course.  
 PHED 1164 – Introduction to Physical Fitness and Wellness This is a (CB 060) Core course. There are several options to fulfill this requirement. Contact your academic advisor for a specific list.  
**CHOOSE ONE:** SPCH 1311 – Introduction to Speech Communication **OR**  
 SPCH 1316 – Public Speaking **OR**  
 SPCH 1321 – Business and Professional Communication (TSU requires) These are (CB 090) Core courses. There are several options to fulfill this requirement. Contact your academic advisor for a specific list.

### SEMESTER 2

Total Hours: 14

ENGL 1302 – Composition II This is a (CB 070) Core course.  
 MATH 2414 – Calculus II  
 PHYS 2425 – University Physics I This is a (CB 030) Core course.  
**CHOOSE ONE:** HIST 1302 – United States History II **OR**  
 HIST 2301 – Texas History These are (CB 060) Core courses. There are several options to fulfill this requirement. Contact your academic advisor for a specific list.

### SEMESTER 3

Total Hours: 17

GOVT 2305 – Federal Government This is a (CB 070) Core course.  
 MATH 2415 – Calculus III  
**CHOOSE ONE:** PHYS 2425 – University Physics II **OR**  
 BIOL 1405 – Biology for Science Majors I **OR**  
 CHEM 1411 – General Chemistry I These are (CB 030) Core courses. There are several options to fulfill this requirement. Contact your academic advisor for a specific list.  
**CHOOSE ONE:** ENGL 2326 – American Literature **OR**  
 ENGL 2331 – World Literature **OR** (TSU requires a sophomore English for 040 requirement)  
 PHIL 1301 – Introduction to Philosophy These are (CB 040) Core courses. There are several options to fulfill this requirement. Contact your academic advisor for a specific list.  
**CHOOSE ONE:** ECON 2301 – Principles of Macroeconomics (TSU requires) **OR**  
 PSYC 2301 – General Psychology **OR**  
 SOCI 1301 – Introduction to Sociology These are (CB 080) Core courses. There are several options to fulfill this requirement. Contact your academic advisor for a specific list.

### SEMESTER 4

Total Hours: 16

GOVT 2396 – Texas Government This is a (CB 070) Core course.  
 Creative Arts Core Elective This is a (CB 050) Core course. There are several options to fulfill this requirement. Contact your academic advisor for a specific list.  
 MATH 2318 – Linear Algebra  
 MATH 2320 – Differential Equations  
 COSC 4436 – Programming Fundamentals I

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### THESE MAY BE TAKEN AT DALLAS COLLEGE IF OFFERED OR AT TSU

Total Hours: 9

ACCT 2301 Principles of Accounting I- Financial  
 ACCT 2302 Principles of Accounting II- Managerial  
 ECON 2302 Principles of Microeconomics

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

For questions about the Tarleton State University portion of this transfer pathway, contact the Academic Advising Office at (254) 968-4976 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

### 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

### SEMESTER 4

Total Hours: 12

Tarleton Course  
 Tarleton Course  
 Tarleton Course  
 Tarleton Course

**Total Hours: 131**

<sup>T</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information