### Associate of Science to Bachelor of Science in Mathematics Financial Analysis Concentration

**Guided Pathway**  
Effective for the 2019-2020 catalog

#### FIRST SEMESTER | SECOND SEMESTER
---|---
ENGL 1301 – Composition I (010) | ENGL 1302 – Composition II (010)
HIST 1301 – United States History I (060) | HIST 1302 – United States History II (060)
MATH 2413 – Calculus I** (020) | PHED 1164 – Introduction to Physical Fitness and Wellness (090)
EDUC 1300 – Learning Framework† | MATH 2414 – Calculus II
SPCH 1321 – Business and Professional Speaking | PHYS 2425 – University Physics I+ (030)

**First Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College**

- **Total Semester Hours: 16**

**Second Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College**

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

- **Total Semester Hours: 15**

#### FIRST SEMESTER | SECOND SEMESTER
---|---
ENGL 2326 – American Literature* (040) | ACCT 2301 – Principles of Accounting I
ENGL 2331 – World Literature* (040) | ECON 2302 – Principles of Microeconomics
GOVT 2305 – Federal Government (070) | GOVT 2306 – Texas Government (070)
MATH 2415 – Calculus I | Choose One:

**Choose One:**

- ENGL 2326 – American Literature* (040)
- ENGL 2331 – World Literature* (040)

**MATH 2415 – Calculus I**

**MATH 2415 – Calculus I**

**Choose One:**

- ECON 2301 – Principles of Microeconomics
- GOVT 2306 – Texas Government (070)

**Second Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College**

- **Total Semester Hours: 17**

**Third Year – Tarleton State University**

- **Total Semester Hours: 15**

#### FIRST SEMESTER | SECOND SEMESTER
---|---
COSC 1310 – Procedural Programming | MATH 2332 – Applied Matrix Algebra (Spring Only)
MATH 3311 – Probability and Statistics (Fall Only) | MATH 3320 – Foundations of Mathematics (Spring Only)
COSC 3344 – Computer Applications in Analysis (Fall Only) | MATH 4311 – Probability and Statistics II
MATH 3332 – Linear Algebra (Fall Only) | MATH 3433 – Calculus III
MATH 3301 – Number Theory (Spring Only) | MATH 3301 – Number Theory (Spring Only) OR
MATH 3360 – Numerical Analysis (Fall Even Years) | MATH 3360 – Numerical Analysis (Fall Even Years) OR
MATH 4306 – Partial Differential Equations (Spring Even Years) | MATH 4306 – Partial Differential Equations (Spring Even Years) OR
MATH 4320 – Mathematical Modeling (Fall Odd Years) | MATH 4320 – Mathematical Modeling (Fall Odd Years) OR
MATH 4088 – Undergraduate Research Project | MATH 4088 – Undergraduate Research Project OR
MATH 4390 – Math Topics (Spring Odd Years) | MATH 4390 – Math Topics (Spring Odd Years)

**Fourth Year – Tarleton State University**

- **Total Semester Hours: 18**

**Total: 126**

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1 You may use this pathway if you entered one of the seven colleges on or before this date.
2 Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven colleges of the DCCCD awarding the degree.
3 All college students with fewer than 12 semester credit hours of successful college credit (grade of “C” or above) should take a student success course in the first semester.
4 This course counts for the Core Curriculum at any public college or university in Texas.
5 There are several options to fulfill this requirement. See your academic advisor for a specific list.
6 You must earn a grade of “C” or better in English 1301 and the selected college-level mathematics course and receive a GPA of at least 2.00 on all college-level course work.
7 Courses numbers shown in parentheses are equivalent to these courses at Tarleton State University.
8 Degree availability varies by campus; consult [tarleton.edu](http://www.tarleton.edu) for more information.

Approved: 2019-2020 Guided Pathway

For questions about the University portion of this guided pathway, contact the Math department at 254-968-9168.