

STEM

**Associate of Science to
Bachelor of Science in Mathematics
Financial Analysis Concentration^T**

Guided Pathway

Effective for the 2019-2020 catalog¹



BHC CVC EFC ECC MVC NLC RLC

First Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College²

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

Total Semester Hours: 16

Total Semester Hours: 15

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.

FIRST SEMESTER	SECOND SEMESTER
Choose One: ^C ENGL 2326 – American Literature* (040) ^C ENGL 2331 – World Literature* (040) ^C PHIL 1301 – Introduction to Philosophy* (040)	ACCT 2301 – Principles of Accounting I
^C GOVT 2305 – Federal Government (070)	^C ECON 2302 – Principles of Microeconomics
MATH 2415 – Calculus III	^C GOVT 2306 – Texas Government (070)
Choose One: ^C ECON 2301 – Principles of Macroeconomics* (080) ^C PSYC 2301 – General Psychology* (080) ^C SOCI 1301 – Introduction to Sociology* (080)	Choose One: ^C ARTS 1301 – Art Appreciation* (050) ^C DRAM 1310 – Introduction to Theater* (050) ^C MUSI 1306 – Music Appreciation* (050)
Choose One: ^C PHYS 2426 – University Physics II+ (030) ^C CHEM 1412 – General Chemistry II+ (030) ^C BIOL 1407 – Biology for Science Majors II+ (030)	ACCT 2302 – Principles of Accounting II – Managerial

Total Semester Hours: 17

Total Semester Hours: 15

Associate of Science (63 hours)

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

Third Year – Tarleton State University

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) <u>OR</u>	MATH 3301 – Number Theory (Spring Only) <u>OR</u>
MATH 3360 – Numerical Analysis (Fall Even Years) <u>OR</u>	MATH 3360 – Numerical Analysis (Fall Even Years) <u>OR</u>
MATH 4306 – Partial Differential Equations (Spring Even Years) <u>OR</u>	MATH 4306 – Partial Differential Equations (Spring Even Years) <u>OR</u>
MATH 4320 – Mathematical Modeling (Fall Odd Years) <u>OR</u>	MATH 4320 – Mathematical Modeling (Fall Odd Years) <u>OR</u>
MATH 4088 – Undergraduate Research Project <u>OR</u>	MATH 4088 – Undergraduate Research Project <u>OR</u>
MATH 4390 – Math Topics (Spring Odd Years)	MATH 4390 – Math Topics (Spring Odd Years)

Total Semester Hours: 15

Total Semester Hours: 15

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
FINC 4304 – Principles of Investments I (Fall Only)	ECON 3304 – Environmental Economics (Spring Only)
FINC 4300 – Advanced Financial Management	FINC 4307 – Investments II
MATH 4309 – Advanced Analysis (Fall Only)	MATH 4332 – Abstract Algebra (Spring Only)
MATH 3301 – Number Theory (Spring Only) <u>OR</u>	ECON 4311 – Econometrics and Forecasting (Spring Only)
MATH 3360 – Numerical Analysis (Fall Even Years) <u>OR</u>	
MATH 4306 – Partial Differential Equations (Spring Even Years) <u>OR</u>	
MATH 4320 – Mathematical Modeling (Fall Odd Years) <u>OR</u>	
MATH 4088 – Undergraduate Research Project <u>OR</u>	
MATH 4390 – Math Topics (Spring Odd Years)	
MATH 3306 – Differential Equations	ACCT 3303 – Intermediate Accounting I
FINC 3301 – Principles of Financial Management	

Total Semester Hours: 18

Total Semester Hours: 15

TOTAL: 126

This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.

Part-time students may also follow this sequence. Developmental coursework may be required.

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.

[@] 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.

^A To register for MATH 2413, students must have completed the prerequisite math courses as follows: MATH 1314, MATH 1316, MATH 2412

⁺ Choose the appropriate Science, Math, and Computer Science course based on the university to which you will transfer. See your academic advisor for details.

^C This course counts for the Core Curriculum at any public college or university in Texas.

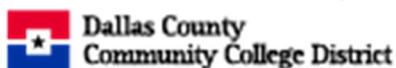
^{*} There are several options to fulfill this requirement. See your academic advisor for a specific list.

^Y 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.

⁽⁾ Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.

^T Degree availability varies by campus; consult 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.