



STEM

BHC CVC EFC ECC MVC NLC RLC

**Associate of Science to  
Bachelor of Science in Mathematics - Pre-Law Concentration<sup>†</sup>  
Guided Pathway  
Effective for the 2019-2020 catalog<sup>1</sup>**



**First Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College<sup>2</sup>**

FIRST SEMESTER	SECOND SEMESTER
<sup>C</sup> ENGL 1301 – Composition I (010)	<sup>C</sup> ENGL 1302 – Composition II (010)
<sup>C</sup> HIST 1301 – United States History I (060)	<sup>C</sup> HIST 1302 – United States History II* (060)
<sup>C</sup> MATH 2413 – Calculus I <sup>A*</sup> (020)	<sup>C</sup> PHED 1164 – Introduction to Physical Fitness and Wellness (090)
EDUC 1300 – Learning Framework <sup>@</sup>	MATH 2414 – Calculus II
<sup>C</sup> SPCH 1311 – Introduction to Speech Communication* (090)	<sup>C</sup> 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
<sup>C</sup> PSYC 2301 – General Psychology* (080)	ACCT 2301 – Principles of Accounting I
<sup>C</sup> GOVT 2305 – Federal Government (070)	SPCH 1315 – Public Speaking
MATH 2415 – Calculus III	<sup>C</sup> GOVT 2306 – Texas Government (070)
<u>Choose One:</u> <sup>C</sup> ENGL 2326 – American Literature* (040)	<u>Choose One:</u> <sup>C</sup> ARTS 1301 – Art Appreciation* (050)
<sup>C</sup> ENGL 2331 – World Literature* (040)	<sup>C</sup> DRAM 1310 – Introduction to Theater* (050)
<sup>C</sup> PHIL 1301 – Introduction to Philosophy* (040)	<sup>C</sup> MUSI 1306 – Music Appreciation* (050)
<u>Choose One:</u> <sup>C</sup> PHYS 2426 – University Physics II+ (030)	MATH 2320 or 2420 – Differential Equations+ <b>OR</b>
<sup>C</sup> CHEM 1412 – General Chemistry II+ (030)	MATH 2305 – Discrete Mathematics+
<sup>C</sup> BIOL 1407 – Biology for Science Majors II+ (030)	

Total Semester Hours: 17

Total Semester Hours: 15-16

**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.

**These courses may be taken at DCCCD or TSU**

COMM 2302 – Business and Professional Speaking (SPCH 1321)	PHIL 2303 – Introduction to Logic
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Total Semester Hours: 6

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
COSC 1310 – Procedural Programming	MATH 3433 – Calculus III
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 (Spring Only)
MATH 3332 – Linear Algebra (Fall Only)	MATH 2332 – Applied Matrix Algebra
MATH 3301 – Number Theory (Spring Only)	
MATH 3360 – Numerical Analysis (Fall Even Years)	
MATH 4306 – Partial Differential Equations (Spring Even Years)	
MATH 4320 – Mathematical Modeling (Fall Odd Years)	
MATH 4088 – Undergraduate Research Project	
MATH 4390 – Math Topics (Spring Odd Years)	

Total Semester Hours: 15

Total Semester Hours: 12

**Fourth Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
MATH 4309 - Advanced Analysis (Fall Only)	PHIL 3301 – Ethics in the Professions
COMM 3303 - Debate	ENGL 3310 – Technical Writing and Editing
ENGL 3309 – Technical Writing and Design	MATH 4332 – Abstract Algebra (Spring Only)
MATH 3301 – Number Theory (Spring Only)	MATH 3301 – Number Theory (Spring Only)
MATH 3360 – Numerical Analysis (Fall Even Years)	MATH 3360 – Numerical Analysis (Fall Even Years)
MATH 4306 – Partial Differential Equations (Spring Even Years)	MATH 4306 – Partial Differential Equations (Spring Even Years)
MATH 4320 – Mathematical Modeling (Fall Odd Years)	MATH 4320 – Mathematical Modeling (Fall Odd Years)
MATH 4088 – Undergraduate Research Project	MATH 4088 – Undergraduate Research Project
MATH 4390 – Math Topics (Spring Odd Years)	MATH 4390 – Math Topics (Spring Odd Years)
MATH 3306 – Differential Equations	

Total Semester Hours: 15

Total Semester Hours: 12

TOTAL: 123

**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.

<sup>1</sup> You may use this pathway if you entered one of the seven colleges on or before this date.

<sup>2</sup> 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.

<sup>@</sup> 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.

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

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

<sup>C</sup> This course counts for the Core Curriculum at any public college or university in Texas.

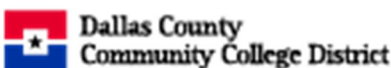
<sup>\*</sup> There are several options to fulfill this requirement. See your academic advisor for a specific list.

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.

<sup>†</sup> Degree availability varies by campus; consult [www.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.