Associate of Science to
Bachelor of Science in Mathematics
Technical Writing Concentration [T]
Guided Pathway
Effective for the 2019-2020 catalog[1]

TARLETON STATE UNIVERSITY Member of The Texas A&M University System

STEM

🟢BHC 🟡CVC 🟠EFC ⚫ECC 🔵MVC 🔵NLC 🟣RLC

First Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College[2]

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]**BIOL 1406** – Biology for Science Majors 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)	_Choose One:_	**COSC 1436** – Programming Fundamentals I+
	[C]**ENGL 2331** – World Literature* (040)		**COSC 1437** – Programming Fundamentals II+
	[C]**PHIL 1301** – Introduction to Philosophy* (040)		**COSC 1301** – Introduction to Computing+
[C]**GOVT 2305** – Federal Government (070)		**Life & Physical Science Elective (4 Credit)**	
MATH 2415 – Calculus III		[C]**GOVT 2306** – Texas Government (070)	
Choose One:	[C]**ECON 2301** – Principles of Macroeconomics* (080)	_Choose One:_	[C]**ARTS 1301** – Art Appreciation* (050)
	[C]**PSYC 2301** – General Psychology* (080)		[C]**DRAM 1310** – Introduction to Theater* (050)
	[C]**SOCI 1301** – Introduction to Sociology* (080)		[C]**MUSI 1306** – Music Appreciation* (050)
[C]**PHYS 2425** - University Physics I (PHYS 2325+2125)		[C]**CHEM 1411** – College Chemistry I (CHEM 1311+1111)	
Total Semester Hours: 17		**Total Semester Hours: 18**	

Associate of Science (66 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 3306** – Differential Equations
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 3433** – Calculus III
MATH 3301 – Number Theory (Spring Only) _OR_ **MATH 3360** – Numerical Analysis (Fall Even Years) _OR_ **MATH 4306** – Partial Differential Equations (Spring Even Years) _OR_ **MATH 4320** – Mathematical Modeling (Fall Odd Years) _OR_ **MATH 4088** – Undergraduate Research Project _OR_ **MATH 4390** – Math Topics (Spring Odd Years)	
Total Semester Hours: 15	Total Semester Hours: 13

SUMMER	
ENGL 3309 – Technical Writing and Design	Advanced ENGL Elective

Total Semester Hours: 6

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
MATH 4309 – Advanced Analysis (Fall Only)	**ENGL 3310** – Technical Writing and Editing
MATH 2332 – Applied Matrix Algebra (Spring Only)	Advanced ENGL Elective
ENGL 3312 – Graphics and Technical Writing	**MATH 4332** – Abstract Algebra (Spring Only)
MATH 3301 – Number Theory (Spring Only) _OR_ **MATH 3360** – Numerical Analysis (Fall Even Years) _OR_ **MATH 4306** – Partial Differential Equations (Spring Even Years) _OR_ **MATH 4320** – Mathematical Modeling (Fall Odd Years) _OR_ **MATH 4088** – Undergraduate Research Project _OR_ **MATH 4390** – Math Topics (Spring Odd Years)	**MATH 3301** – Number Theory (Spring Only) _OR_ **MATH 3360** – Numerical Analysis (Fall Even Years) _OR_ **MATH 4306** – Partial Differential Equations (Spring Even Years) _OR_ **MATH 4320** – Mathematical Modeling (Fall Odd Years) _OR_ **MATH 4088** – Undergraduate Research Project _OR_ **MATH 4390** – Math Topics (Spring Odd Years)
Total Semester Hours: 12	Total Semester Hours: 12

TOTAL: 124

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.
^ 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.
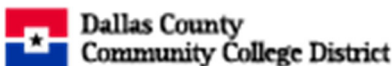**C** This course counts for the Core Curriculum at any public college or university in Texas.
* There are several options to fulfill this requirement. See your academic advisor for a specific list.
You must earn a grade of "C" or better in English 1301 and the selected college-level mathematics course 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

Dallas County Community College District

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