



Associate of Science –Mathematics to
Bachelor of Science in Mathematics
Pre-Law Concentration †
Guided Pathway
Effective for the 2019-2020 Catalog
First Year – Galveston College



FIRST SEMESTER	SECOND SEMESTER
^c ENGL 1301 Composition I	^c ENGL 1302 Composition II
^c HIST 1301 US History I	^c HIST 1302 US History II
^c MATH 2312 Pre-Calculus	^c MATH 2413 Calculus I
^c Life & Physical Science Elective	MATH 2305 Discrete Mathematics
^c Creative Arts Elective	^c PHYS 2425 - University Physics I (PHYS 2325+2125)
Total Semester Hours: 15	Total Semester Hours: 17

Second Year – Galveston College

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

FIRST SEMESTER	SECOND SEMESTER
^c GOVT 2305 Federal Government	^c GOVT 2306 Texas Government
^c PSYC 2301 – General Psychology	MATH 2415 Calculus III
^c MATH 2414 Calculus II	MATH 2320 Differential Equations
MATH 2318 Linear Algebra	^c Language, Philosophy & Culture Elective
	^c COMM 1311 – Introduction to Speech Communication (SPCH 1311)
Total Semester Hours: 13	Total Semester Hours: 16

AS: Mathematics

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 Galveston College or TSU

ACCT 2301 – Principles of Accounting I	COMM 2302 – Business and Professional Speaking (SPCH 1321)
COMM 1315 – Public Speaking (SPCH 1315)	PHIL 2303 – Introduction to Logic
Total Semester Hours: 12	

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
^x Advanced MATH Elective	
Total Semester Hours: 15	Total Semester Hours: 13

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)
^x Advanced MATH Elective	^x Advanced MATH Elective
MATH 3306 – Differential Equations	
Total Semester Hours: 15	Total Semester Hours: 12

TOTAL:128

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.

* You may take a different course to meet this requirement. A specific list is available from your advisor.

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

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

† Degree availability varies by campus; consult www.tarleton.edu for more information.

^x Choose from the following:

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)

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