AA, General Studies- Math to
Bachelor of Science in Mathematics
Pre-Law Concentration ^T
Guided Pathway
Effective for the 2019-2020 Catalog

First Year – North Central Texas College

FIRST SEMESTER	SECOND SEMESTER
ENGL 1301 Composition I	ENGL 2311 Technical Writing
HIST 1301 US History I	HIST 1302 US History II or HIST 2301 Texas History
EDUC/PSYC 1300 Learning Frameworks	MUSI 1306 Music Appreciation or other Creative Arts core
MATH 2413 Calculus*	MATH 2414 Calculus II*
COSC 1436 Programming Fundamentals I	PHYS 2425 Univ. Physics

Total Semester Hours: 17   Total Semester Hours: 17

Second Year – North Central Texas College

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

FIRST SEMESTER	SECOND SEMESTER
GOVT 2305 American National Government	GOVT 2306 Texas Government
^CPSYC 2301 General Psychology	PHIL 2306 Intro to Ethics or other Language/Philosophy/Culture core
MATH 2415 Calculus III*	MATH 2320 Diff. Equations or MATH 2318 Linear Algebra
PHYS 2426 Univ. Physics II, CHEM 1412 Gen Chem. II, BIOL 1407 Bio for Science Majors II, GEOL 1402 Earth Sciences II, or ASTR 1404 Solar System	SPCH 1321 Business & Professional

Total Semester Hours: 14   Total Semester Hours: 12

Associates of Arts- General Studies- Math Majors

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 completed at NCTC or TSU	
ACCT 2301 – Principles of Accounting I	**PHIL 2303** – Introduction to Logic

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: 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)
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) **MATH 3306** – Differential Equations	**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
Total Degree Hours: 121

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.
^C This course counts for the Core Curriculum at any public college or university in Texas.
^T Degree availability varies by campus; consult www.tarleton.edu for more information.
*MATH 1314 is a prerequisite to CHEM 1411, and MATH 1314 along with either MATH 1316 or 2412 are prerequisites to MATH   2413 and PHYS 1401 or 2425. Until you have completed these prerequisites you will be under a General Studies major (AA or AS degree). Some Math prerequisites may be satisfied by earning required scores on CLEP, AP, IB, ACT, SAT, or an NCTC approved Math placement exam. Please see an advisor at NCTC for details.

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