



AS Mathematics Field of Study  
To Bachelor of Science in Mathematics  
With a Financial Analysis Concentration<sup>T</sup>  
**Guided Pathway**  
Effective for the 2021-2022 Catalog  
**First Year – Collin College**



FIRST SEMESTER	SECOND SEMESTER
◻ MATH 2412 - Pre-Calculus (TSU requires MATH 2413 Calculus I)	◻ ENGL 1302 - Composition II (or ENGL 2311) (TSU requires ENGL 1302)
◻ ENGL 1301 - Composition I	◻ MATH 2414 - Calculus II
◻ Speech (see list below) - 3 hours (TSU requires SPCH 1321/COMM 2302 Business and Professional Speaking)	◻ PHYS 2425 - University Physics I
◻ History (see list below) - 3 hours	MATH 2305 - Discrete Mathematics
COSC 1336 - Programming Fundamentals I	
Total Semester Hours: 16	Total Semester Hours: 14

**Second Year – Collin College**

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

FIRST SEMESTER	SECOND SEMESTER
◻ GOVT 2305 - Federal Government	◻ GOVT 2306 - Texas Government
MATH 2318 - Linear Algebra	◻ Creative Arts (see list below) - 3 hours
◻ Social/Behavioral Science (TSU requires ECON 2301 Principles of Macroeconomics)	MATH 2320 - Differential Equations
MATH 2415 - Calculus III	◻ Lang, Phil, & Culture (see list below) - 3 hours
◻ History (see list below) - 3 hours	◻ Life/Physical Science
Total Semester Hours: 16	Total Semester Hours: 16

**AS: Mathematics Field of Study**

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 CC (if offered) or TSU**

ECON 2302 Principles of Microeconomics	ACCT 2301 Principles of Accounting I – Financial
ACCT 2302 Principles of Accounting II – Managerial	◻ Any Core Course (1 credit min)
Total Semester Hours: 6	Total Semester Hours: 4

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	
Total Semester Hours: 15	Total Semester Hours: 12

**Fourth Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Total Semester Hours: 12	Total Semester Hours: 12

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.

◻ 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.

<sup>T</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.

Collin Options

Life & Physical Sciences – choose one from: BIOL 1406, 1407, 1415, 2401, 2402, 2406, 2416, 2421, CHEM 1411, 1412, 2423, 2425, ENVR 1401, 1402, GEOL 1403, 1404, PHYS 1401, 1402, 2426.

Speech – choose one from: SPCH 1311, 1315, or 1321

History – choose two from: HIST 1301, 1302, 2301

Language, Philosophy, & Culture – choose one from: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2342, 2343, HIST 2311, 2312, 2321, 2322, HUMA 1301, PHIL 1301, 1304, 2303, 2306, 2307, 2321

Creative Arts – choose one from: ARTS 1301, 1303, 1304, 1313, DANC 2303, DRAM 1310, 2361, 2362, 2366, MUSI 1306, 1307, 1310

Social and Behavioral Sciences – choose one from: ANTH 2302, 2346, 2351, ECON 1301, 2301, 2302, PSYC 2301, SOCI 1301, 1306

Elective – choose one course from any discipline (MATH 2305 or MATH 2373 highly recommended).