



**Associate of Science in Mathematics to**  
**Bachelor of Science in Mathematics**  
**With an Environmental Mathematics Concentration †**  
**Guided Pathway**  
 Effective for the 2021-2022 Catalog  
**First Year – Tyler Junior College**

FIRST SEMESTER	SECOND SEMESTER
<sup>C</sup> MATH x3xx Mathematics Core*	MATH 2413 Calculus I
<sup>C</sup> ENGL 1301 Composition I	<sup>C</sup> ENGL 1302 Composition II*
<sup>C</sup> HIST 1301 US History I	<sup>C</sup> HIST 1302 US History II*
<sup>C</sup> EDUC 1300 Learning Framework*	<sup>C</sup> xxxx x3xx Social and Behavioral Sciences Core
<sup>C</sup> xxxx x3xx Language, Philosophy & Culture	<sup>C</sup> xxxx x4xx Life and Physical Sciences Core (TSU requires PHYS 2425)

Total Semester Hours: 15

Total Semester Hours: 17

**Second Year – Tyler Junior College**

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

FIRST SEMESTER	SECOND SEMESTER
MATH 2414 Calculus II	MATH 2320 Differential Equations*
<sup>C</sup> GOVT 2305 Federal Government	<sup>C</sup> GOVT 2306 Texas Government
<sup>C</sup> xxxx x4xx Life and Physical Sciences Core (TSU requires CHEM 1411)	<sup>C</sup> xxxx x3xx Creative Arts Core
<sup>C</sup> SPCH 1315 Public Speaking*	xxxx x1xx Elective
	MATH 2415 Calculus III

Total Semester Hours: 14

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**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 completed at TJC (if offered) or TSU**

MATH 2318 Linear Algebra	COSC 1310 Procedural Programming
CHEM 1412 College Chemistry II	ENVE 2251 Fundamentals of GIS for Engineers
ENVE 2310 Introduction to Environmental Engineering	ENVE 2311 Soil Mechanics
Total Semester Hours: 10	Total Semester Hours: 8

**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
Total Semester Hours: 12	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

Total Degree Hours: 126

**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.

<sup>C</sup> 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](http://www.tarleton.edu) for more information.