



**Associate of Science in Mathematics to  
Bachelor of Science in Mathematics  
With a Data Analysis Concentration <sup>T</sup>  
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           | <sup>C</sup> xxxx x3xx Creative Arts Core |
| <sup>C</sup> SPCH 1315 Public Speaking* (TSU requires SPCH 1321) | 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 |
| MATH 2305 Discrete Mathematics | COSC 2341 Data Structures        |
| ENGR 2303 Engineering Economy  |                                  |
| Total Semester Hours: 9        | Total Semester Hours: 6          |

**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          | Tarleton Course          |
| Total Semester Hours: 15 | Total Semester Hours: 15 |

**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: 129

**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.

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