



**AS – Math to
BS – Mathematics
2023-2024 Transfer Pathway**



| AS Degree Requirements | | | | | | | |
|----------------------------|-----------|--------------------------------|-----|---------------------------|-----------|---|-----------|
| McLennan Community College | | | | | | | |
| MCLENNAN | TAMUCT | Course Name | SCH | MCLENNAN | TAMUCT | Course Name | SCH |
| PSYC 1100 | PSYC 1100 | Learning Framework | 1 | MATH 2415 | MATH 2415 | Calculus III | 4 |
| MATH 2413 | CORE 020 | Calculus I | 4 | MATH 2318 | MATH 2318 | Linear Algebra | 3 |
| CORE 080 | CORE 080 | Social/Behavioral Science Core | 3 | GOVT 2305 | CORE 070 | Federal Government | 3 |
| ENGL 1301 | CORE 010 | Composition I | 3 | PHYS 2426 | CORE 030 | University Physics II | 4 |
| HIST 1301 | CORE 060 | United States History I | 3 | MATH 1342 or MATH 2305 | CORE 090 | Elementary Statistical Methods or Discrete Mathematics | 3 |
| MATH 2414 | CORE 090 | Calculus II | 4 | MATH 2320 | MATH 2320 | Differential Equations | 3 |
| PHYS 2425 | CORE 030 | University Physics I | 4 | GOVT 2306 | CORE 070 | Texas Government | 3 |
| COSC 1336 | COSC 1336 | Programming Fundamentals I | 3 | CORE 040 | CORE 040 | Language, Philosophy, & Culture Core | 3 |
| Speech Course | CORE 010 | Speech Course | 3 | CORE 050 | CORE 050 | Creative Arts Core | 3 |
| HIST 1302 | CORE 060 | United States History II | 3 | | | | |
| Subtotal | | | | | | | 60 |

| Additional Lower-Level or Upper-Level Degree Requirements | | | |
|--|--------------------------------------|----------------------------------|----------|
| McLennan Community College or Texas A&M University – Central Texas | | | |
| McLennan Community College | Texas A&M University - Central Texas | Course Name | SCH |
| Any Level Support Field Elective ^{1,2,3} | Any Level Support Field Elective | Any Level Support Field Elective | 5 |
| Subtotal | | | 5 |

| Upper-Level Degree Requirements | | | | | |
|---|------------------------------|-----|---|---------------------------------------|------------|
| Texas A&M University - Central Texas (TAMUCT) | | | | | |
| TAMUCT | Course Name | SCH | TAMUCT | Course Name | SCH |
| MATH 3350 | Principles of Bio-Statistics | 3 | MATH 3370 | An Introduction to Linear Programming | 3 |
| MATH 3301 | Number Theory | 3 | MATH 4302 | College Geometry | 3 |
| MATH 3309 | Algebraic Function | 3 | MATH 4304 | Survey of Mathematical Ideas (and) | 3 |
| MATH 3315 | Mathematics & Technology | 3 | MATH 4304L | Survey of Mathematical Ideas Lab | 1 |
| MATH 3310 | Discrete Mathematics | 3 | MATH 4309 | Advanced Analysis I | 3 |
| MATH 3311 | Probability & Statistics I | 3 | MATH 4332 | Abstract Algebra | 3 |
| MATH 3332 | Linear Algebra | 3 | Upper-Level Computer Science Elective | Upper-Level Computer Science Elective | 3 |
| MATH 3360 | Numerical Analysis I | 3 | Upper-Level Support Field Elective ³ | Upper-Level Support Field Elective | 12 |
| Subtotal | | | | | 55 |
| Total | | | | | 120 |

Notes/Comments

Texas A&M University - Central Texas offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at McLennan College.

For help with pathway planning, student should speak with an [academic advisor](#). This pathway is intended for planning and visualization purposes only.

1. Not all Degree Requirement courses are completed with the AS. Students will need to complete these remaining lower-level courses at McLennan College. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
2. Any-level electives may be taken at Texas A&M University-Central Texas or McLennan College. Please consult with an academic advisor prior to selecting any-level electives.
3. Courses for the support field should be chosen to form an academic area in which mathematics is applicable and must be selected in consultation with the program coordinator or department chair.