

BS in Mathematics

KC (Kilgore College) to UT Tyler

2026-2027 Catalog

Freshman Year

Fall Semester (KC)

- ENGL 1301 - Composition I (3 Credit Hours)
- HIST 1301 - US History I (3 Credit Hours)
- MATH 2413 - Calculus I (4 Credit Hours)
- SPCH 1315 - Introduction to Public Speaking (3 Credit Hours)
- Life and Physical Sciences Core Course (4 Credit Hours)

Semester Total: 117 Credit Hours

Spring Semester (KC)

- ENGL 1302 - Composition II (3 Credit Hours) OR
- ENGL 2311 - Technical and Business Writing (3 Credit Hours)
- HIST 1302 - US History II (3 Credit Hours)
- MATH 2414 - Calculus II (4 Credit Hours)
- EDUC 1300 - Learning Framework (3 Credit Hours)
- Life and Physical Sciences Core Course (4 Credit Hours)

Semester Total: 17 Credit Hours

Sophomore Year

Fall Semester (KC)

- GOVT 2305 - Federal Government (3 Credit Hours)
- PHYS 2425 - College Physics I (4 Credit Hours)
- Language, Philosophy, and Culture Core Course (3 Credit Hours)
- Social and Behavioral Science Core Course (3 Credit Hours)

Semester Total: 13 Credit Hours

Spring Semester (KC)

- GOVT 2306 - Texas Government (3 Credit Hours)

- PHYS 2426 - College Physics II (4 Credit Hours)
- Creative Arts Core Course (3 Credit Hours)
- Human Expression Core Course (3 Credit Hours)

Semester Total: 13 Credit Hours

Junior Year

Fall Semester (UT Tyler)

- MATH 2415 - Multivariate Calculus (3 Credit Hours)
- MATH 3425 - Foundations of Mathematics (4 Credit Hours)
- MATH 3315 - Linear Algebra and Matrix Theory (3 Credit Hours)
- Minor or Elective Course (3 Credit Hours)

Semester Total: 14 Credit Hours

Spring Semester (UT Tyler)

- MATH 3336 - Abstract Algebra I (3 Credit Hours)
- MATH 3305 - Ordinary Differential Equations (3 Credit Hours)
- MATH 3380 - Algorithms in Applied Math - course is offered in Spring only (3 Credit Hours)
- MATH 3365 - Geometric Systems (3 Credit Hours)
- Minor or Elective Course (3 Credit Hours)

Semester Total: 15 Credit Hours

Senior Year

Fall Semester (UT Tyler)

- MATH 3345 - Real Analysis I (3 Credit Hours)
- MATH 4350 - Theory of Probability (3 Credit Hours)
- MATH 4160 - Senior Seminar (1 Credit Hour)
- MATH XXXX - Upper Level MATH Elective (3 Credit Hours)
- MATH XXXX - Upper Level MATH Elective (3 Credit Hours)
- Minor or Elective Course (3 Credit Hours)

Semester Total: 16 Credit Hours

Spring Semester (UT Tyler)

- MATH 3373 - Nonlinear ODE (3 Credit Hours)

- MATH 4373 - PDE (3 Credit Hours)
- MATH 4161 - Senior Seminar II (1 Credit Hour)
- MATH XXXX - Upper Level MATH Elective (3 Credit Hours)
- Minor or Elective Course (3 Credit Hours)
- Minor or Elective Course (3 Credit Hours)
- Minor or Elective Course (2 Credit Hours)

Semester Total: 15 Credit Hours

Total Credit Hours at Kilgore College: 60

Total Credit Hours at UT Tyler: 60

Total Credit Hours: 120

Notes: