

AS in Mathematics | BS in Mathematics

PC (Panola College) to UT Tyler

2026-2027 Catalog

Freshman Year

Fall Semester (PC)

- MATH 2412 - Pre-Calculus (4 Credit Hours)
- ENGL 1301 - Composition I (3 Credit Hours)
- American History Elective (3 Credit Hours)
- Academic Elective (3 Credit Hours)
- Language, Philosophy, and Culture Core Course (3 Credit Hours)

Semester Total: 16 Credit Hours

Spring Semester (PC)

- MATH 2413 - Calculus I (4 Credit Hours)
 - ENGL 1302 - Composition II (3 Credit Hours) OR
 - ENGL 2311 - Technical and Business Writing (3 Credit Hours)
- American History Elective (3 Credit Hours)
- Social and Behavioral Science Core Course (4 Credit Hours)
- STEM Science Option (4 Credit Hours)

Semester Total: 17 Credit Hours

Sophomore Year

Fall Semester (PC)

- MATH 2414 - Calculus II (4 Credit Hours)
- GOVT 2305 - Federal Government (3 Credit Hours)
- Public Speaking (3 Credit Hours)
- STEM Science Option (4 Credit Hours)

Semester Total: 14 Credit Hours

Spring Semester (PC)

- MATH 2415 - Calculus III

- GOVT 2306 - Texas Government (3 Credit Hours)
- MATH 2320 - Differential Equations (4 Credit Hours)
- Creative Arts Core Course (3 Credit Hours)

Semester Total: 13 Credit Hours

Junior Year

Fall Semester (UT Tyler)

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

Semester Total: 16 Credit Hours

Spring Semester (UT Tyler)

- MATH 3380 - Algorithms in Applied Math - course is offered in Spring only (3 Credit Hours)
 - MATH 3373 - Advanced Ordinary Differential Equations (3 Credit Hours) OR
 - MATH 4373 - Partial Differential Equations (3 Credit Hours)
- MATH 3336 - Abstract Algebra I (3 Credit Hours)
- Elective Course (3 Credit Hours)
- 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 4336 - Abstract Algebra II (3 Credit Hours)
- MATH XXXX - Upper Level MATH Elective (3 Credit Hours)

Semester Total: 13 Credit Hours

Spring Semester (UT Tyler)

- MATH 4351 - Applied Statistics (3 Credit Hours)
- MATH 3365 - Geometric Systems (3 Credit Hours)
- MATH 4161 - Senior Seminar II (1 Credit Hour)
- MATH XXXX - Upper Level MATH Elective (3 Credit Hours)
- MATH XXXX - Upper Level MATH Elective (3 Credit Hours)
- Elective Course (3 Credit Hours)

Semester Total: 16 Credit Hours

Total Credit Hours at Panola College: 60

Total Credit Hours at UT Tyler: 60

Total Credit Hours: 120

Notes:

The electives should be chosen in coordination with the student's academic advisor and must take one of the following forms:

- A minor or discipline
- A department-established track, or
- Guided electives chosen by the student and student's advisor including at least nine credit hours at the upper division.