Bachelor of Science in Mathematics with a Concentration in 7-12 Math (Starting with PreCalculus)

Required Semester Credit Hours (SCH): 120

The sample four-year degree plan below starts with MATH 1508 (Pre-Calculus). MATH 1508 is a prerequisite and does not count toward the required 120 SCH to complete the degree. Refer to the University Catalog for all degree requirements at catalog.utep.edu.

Many core curriculum courses are also offered in the summer (Su). Students are encouraged to register early and check Goldmine for course availability.

The flowchart below may not reflect all student schedules; courses can be shifted to different semesters where applicable.

Refer to the University Catalog for all degree requirements at catalog.utep.edu.

Sample Degree Plan

Freshman Year (18 SCH)
- MATH 1508 Pre-Calculus

First Semester (18 SCH)
- RWS 1301 Rhetoric and Composition I
- SCI 1301 Inquiry in Math & Science
- POLS 2310 Introduction to Politics
- ART 1300 Art Appreciation
- PHIL 2306 Ethics
- PHYS 2420 Mechanics
- PHYS 2421 Fields and Waves

Second Semester (16 SCH)
- MATH 1312 Calculus II
- RWS 1302 Rhetoric and Composition II
- HIST 1301 History of U.S. to 1865
- PHIL 2306 Ethics
- HIST 1302 History of U.S. since 1865
- COMM 1301 Public Speaking
- ART 1300 Art Appreciation
- PHYS 2420 Mechanics
- PHYS 2421 Fields and Waves

Sophomore Year (19 SCH)
- MATH 2313 Calculus III
- MATH 2318 Linear Algebra
- CS 1320 or CS 1401
- HIST 2312 History of Mathematics
- MATH 2326 Differential Equations
- MATH 3300 History of Mathematics
- Elective

Junior Year (18 SCH)
- MATH 3325 Principles of Mathematics
- STAT 3330 Probability
- MATH 3325 Principles of Mathematics
- MATH 3325 Principles of Mathematics
- STAT 3330 Probability
- MATH 3325 Principles of Mathematics
- Elective

Senior Year (15 SCH)
- MATH 3341 Introduction to Analysis
- MATH 4341 Real Analysis
- MATH 4325 Modern Algebra
- MATH 3341 Introduction to Analysis
- MATH 4341 Real Analysis
- MATH 4325 Modern Algebra
- Elective

Senior Year (6 SCH)
- SCED 4691 Internship

* C or better required.

Color-coded boxes group the course subject.

F/Sp/Su indicates the semesters Fall/Spring/Summer.

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