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.

First Semester (18 SCH)
- RWS 1301 Rhetoric and Composition I
- MATH 1508 Pre-Calculus
- Additional Sci Lower-Division Lecture/Lab Sequence (Biol, Chem, or Geol)

First Semester (16 SCH)
- RWS 1302 Rhetoric and Composition II
- PSYC 1301 Introduction to Psychology
- MATH 1411 Calculus I
- MATH 1300 Developmental Variations

Second Semester (19 SCH)
- HIST 1301 History of U.S. to 1865
- ART 1300 Art Appreciation
- MATH 1412 Calculus II
- MATH 2300 Differential Equations

Second Semester (16 SCH)
- HIST 1302 History of U.S. since 1865
- PHIL 2306 Ethics
- MATH 1413 Calculus III
- MATH 3325 Linear Algebra

Third Semester (15 SCH)
- POLS 2310 Introduction to Politics
- COMM 1301 Public Speaking
- MATH 2302 Calculus IV
- MATH 3329 History of Mathematics

Fourth Semester (18 SCH)
- RWS 1301 Rhetoric and Composition II
- POLS 2311 American Gov. and Politics
- MATH 2301 Calculus V
- MATH 4303 Intro to Higher Mathematics

Junior Year (15 SCH)
- PHYS 2320 & 2120 Intro Mechanics & Lab
- PHI 1301 Philosophy
- MATH 3326 Discrete Mathematics
- MATH 4325 Principles of Mathematics

Senior Year (18 SCH)
- PHYS 2321 & 2121 Intro Electro & Lab
- INT 1301 Intro to Analysis
- MATH 3341 Introduction to Analysis
- MATH 4336 Probability

Senior Year (18 SCH)
- MATH Elective
- EDPC 3300 Developmental Variations
- MATH Elective
- RED 3342 Content Area Literacy

Senior Year (6 SCH)
- Elective
- STAT 3325 Applied Regression Analysis
- Elective
- STAT 4385 Applied Regression Analysis

Senior Year (6 SCH)
- EDPC 4367 Teach Math in Secondary Schools
- MATH Elective
- MATH Elective
- EDPC 4367 Teach Math in Secondary Schools

Senior Year (6 SCH)
- Elective
- EDPC 4367 Teach Math in Secondary Schools
- MATH Elective
- MATH Elective

Color-coded boxes group the course subject.

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

Required Courses

Education Courses and Electives

Last Updated: June 2023