CSUF | Mathematics
COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

Student ID:_____ **Student Name:**_____ **Advisor Name:**_____	**Catalog:** 2023-2024 University Catalog **Program:** Mathematics for Teacher Education Minor

Mathematics for Teacher Education Minor
(20-22 UNITS)

Mathematics pairs well as a minor with any major. It is the universal language of quantitative thinking, which is becoming ever more essential in our technological and data-driven world. A mathematics minor provides graduates with an edge over the competition and can be tailored to suit the student's preferences. For elementary or secondary education, there are special math minors that are optimal for the prospective teacher. For other majors, students take the traditional calculus sequence and select courses from a variety of upper-division offerings in statistics, applied math and pure math.

All courses must be completed with a "C" (2.0) or better.

Secondary Education (22 units)

Required Courses (10 units)
MATH 250B and 6 units upper-division MATH courses.

Course Name	Term Taken	Grade
MATH 250B - Introduction to Linear Algebra and Differential Equations (4 units) Prerequisite: MATH 250A.		
Recommended:		
MATH 338 - Statistics Applied to Natural Sciences (4 units) Prerequisite: MATH 106, MATH 130 or MATH 150B.		
MATH 380 - History of Mathematics (3 units) Prerequisite: MATH 150B or MATH 106 with a "C" (2.0) or better.		

Electives (12 units)
Select from MATH courses.

	Term Taken	Grade
Recommended:		
MATH 150A - Calculus I (4 units) Prerequisite: passing score on ALEKS; or passing score or exemption on MQE; or MATH 125 with "C" (2.0) or better.		
MATH 150B - MATH 150B - Calculus II (4 units) Prerequisites: MATH 150A		
MATH 180 - Strategies of Problem Solving (4 units) Prerequisites: N/A		
MATH 250A - Calculus III (4) Prerequisites: MATH 106 or MATH 150B		
MATH 303A - Fundamental Concepts of Elementary Mathematics (3 units) Prerequisite: completion of G.E. Category B.4.		
MATH 303B - Fundamental Concepts of Elementary Mathematics (3 units) Prerequisites: MATH 303A with a "C" (2.0) or better; completion G.E. Category B.4.		
MATH 400 – Statistics for the Secondary Teacher (3 units) Prerequisite: MATH 335 and MATH 338; or graduate standing.		
MATH 403A - Fundamental Concepts of Middle School Mathematics I (3 units) Prerequisites: MATH 303B		
MATH 403B - Fundamental Concepts of Middle School Mathematics II (3 units) Prerequisite: MATH 403A; or Secondary Education or Transformative Teaching in Secondary Education graduate standing.		

Total (20-22 units)