INTRODUCTORY REQUIREMENTS

Calculus: MATH 19A (FWS) ___ + 19B (FWS) ___
Linear Algebra: MATH 21 (FWS) ___
Vector Calculus: MATH 23A (FWS) ___ + MATH 23B (FWS) ___
Statistics: AMS 5 (FWS) ___

NOTE: To declare the Mathematics B.A., students must complete the following with a C or better:
MATH 19A/B, 21, 23A/B, 100

ADVANCED REQUIREMENTS

Math:
AMS 131 Introduction to Probability Theory (F) ___
MATH 100 Introduction to Proof and Problem Solving (FWS) ___
MATH 110 Introduction to Number Theory (FW) ___
MATH 111A Algebra (FW) ___
MATH 128A Classical Geometry: Euclidean and Non-Euclidean (F) ___
MATH 181 History of Mathematics (W) ___
MATH 188 Supervised Teaching (IS) ___ OR EDUC 50B (FW) ___ + EDUC 100B (S) ___

Analysis: ONE from the following...
MATH 103A Complex Analysis (WS) ___
MATH 105A Real Analysis (FW) ___

DISCIPLINARY COMMUNICATION REQUIREMENT
Satisfied by the successful completion of MATH 100 and 194 or 195.
NOTE: This requirement MUST be completed at UCSC.

COMPREHENSIVE REQUIREMENT
MATH 194 Senior Seminar (WS) ___ OR MATH 195 Senior Thesis (IS) ___

Mathematics Subject Matter Program (Optional)

Listed below are the courses (or alternates) in addition to the above, you must take if you want to bypass the CSET series of exams before entering a California teaching credential program. Equivalents from other institutions are accepted on approval from the Mathematics Department.

Education: Educ 185B Introduction to Teaching Math (W) ___

Additional Math: ONE from the following...
Math 24 Ordinary Differential Equations (S) ___
Math 101 Mathematical Problem Solving (F) ___
Math 115 Graph Theory (S) ___
CMPE 16 Applied Discrete Mathematics (FWS) ___

Computer Science: ONE from the following...
CMPS 10 Introduction to Computer Science (FWS) ___
CMPS 5C Introduction to Programming in C++ (*) ___
CMPS 5J Introduction to Programming in Java (FW) ___
CMPS 5P Introduction to Programming in Python (WS) ___