Name: ___________________________ Date: _______________________

(Quarter offered: F=Fall, W=Winter, S=Spring, *= Not offered this year, IS=Independent Study)

NOTE: Courses appearing in more than one category can fulfill only one requirement.

**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 (S) ___
- MATH 181 History of Mathematics (W) ___
- MATH 188 Supervised Teaching (IS) ___ OR EDUC 50B (FW) ___ + EDUC 100B (S) ___

**Analysis:**
- 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 (W) ___
- 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 (FWS) ___
- CMPS 5P Introduction to Programming in Python (WS) ___