MATHEMATICS B.A. - Pure Mathematics

INTRODUCTORY REQUIREMENTS (6 total)

Calculus: MATH 19A (FWS) ___ + 19B (FWS) ___ OR MATH 20A + 20B
Linear Algebra: MATH 21 (FWS) ___
Vector Calculus: MATH 23A (FWS) ___ + MATH 23B (FWS) ___
Intro to Proof & Problem Solving: MATH 100 ___

ADVANCED REQUIREMENTS (8 total)

Math: MATH 24: Ordinary Differential Equations (FW) ___
Analysis: ONE of the following.
MATH 103A Complex Analysis (WS) ___
MATH 105A Real Analysis (FW) ___
Algebra: ONE from the following.
MATH 110 FW ___
MATH 111A Algebra (FW) ___
MATH 111T Algebra (S) ___
MATH 117A Advanced Linear Algebra (FS) ___

Geometry: ONE of the following.
MATH 121A Differential Geometry (S) ___
MATH 124 Introduction to Topology (F) ___
MATH 128A Classical Geometry: Euclidian & Non-Euclidian (S) ___
MATH 129 Algebraic Geometry (W) ___

Electives: THREE of the following.
Any MATH course numbered above 100 (excluding MATH 188 or 189)
One total of your electives may come from the AM or STAT Departments (numbered 100 or above)

Comprehensive Requirement: MATH 194 Senior Seminar OR MATH 195 Senior Thesis

Disciplinary Communication Requirement (DC): Students satisfy this requirement by completing courses MATH 100 and either MATH 194 or MATH 195. The DC course requirement must be taken at UCSC.