Mathematics B.S. 2020/21 (BF 7/2/20)

Name: ________________________________ Date: __________________

(Quarter offered: F=Fall, W=Winter, S=Spring, *= Not offered this year)  ID#: ___________________

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

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