STATISTICS & DATA SCIENCE MAJOR

PREPARATORY COURSES FOR THE MAJOR
To declare a Major in Statistics & Data Science, a student must have completed the 7 courses below with a minimum grade of C or better in each and a 2.5 GPA or above in all prep courses.

☐ STATS 10, 12, OR 13
    (ECON 41, PSYCH 100A, OR AP SCORE OF 4+ ACCEPTED)
☐ STATS 20
☐ MATH 32A
☐ MATH 31A
☐ MATH 31B
☐ MATH 32B
☐ MATH 33A

THE UPPER DIVISION REQUIREMENTS
Due to high demand, enrollment restrictions will reserve 1st (sometimes also 2nd and 3rd) pass enrollment to students who have fully declared the Stats & DS Major.

☐ STATS 100A INTRODUCTION TO PROBABILITY (MATH 170A, 170E, ECE 131A OR CEE 110 ALSO ACCEPTED)
☐ STATS 100B INTRODUCTION TO MATHEMATICAL STATISTICS (MATH 170S ALSO ACCEPTED)
☐ STATS 100C LINEAR MODELS
☐ STATS 101A INTRODUCTION TO DATA ANALYSIS AND REGRESSION
☐ STATS 101B INTRODUCTION TO DESIGN AND ANALYSIS OF EXPERIMENT
☐ STATS 101C INTRODUCTION TO STATISTICAL MODELS AND DATA MINING
☐ STATS 102A INTRODUCTION TO COMPUTATIONAL STATISTICS
☐ STATS 102B INTRODUCTION TO COMPUTATION AND OPTIMIZATION FOR STATISTICS
☐ STATS 102C INTRODUCTION TO MONTE CARLO METHODS
☐ STATS 140XP PRACTICE OF STATISTICAL CONSULTING PART 1
☐ STATS 141XP PRACTICE OF STATISTICAL CONSULTING PART 2
☐ ELECTIVE 1
☐ ELECTIVE 2


Notes
1) All courses must be taken for a letter grade including in all related prerequisites, preparatory courses, and electives.
2) All courses which count toward the major must be worth 4 or 5 units. (Total Upper Division = 52 units)
3) Permission must be obtained from the department to repeat any course. Original grade must be lower than a C to repeat.
4) Repetition of more than two prep courses and any course more than once results in automatic dismissal from the Major.
5) Statistics & DS Major students must maintain a 2.0 GPA or higher within Upper Division courses towards the Stats & DS Major.
6) A maximum of 4 units of Statistics 195 may be applied as an Upper Division Elective.
7) A maximum of 4 units of Statistics 199 may be applied as an Upper Division Elective.

DOUBLE MAJORS: In addition to the prep courses, students must complete 2 Statistics Upper Division core courses to be eligible to add Statistics & DS as a second major through the Department of Statistics & Data Science and College Academic Counseling.

A MAXIMUM OF 5 UPPER DIVISION COURSES MAY OVERLAP WITH MAJOR OR MINOR PROGRAMS FROM OTHER DEPARTMENTS
I, ____________________________, UID# ___________________, understand that I must follow the agreed upon Course Plan below in order to graduate by the ___________ _______ quarter. I agree to use my first pass privileges to enroll in the following courses:

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I also understand that any deviation from this plan may risk my ability to graduate by the quarter listed above. I agree that any changes to the plan must be approved by the department with an amendment signed by myself and a Student Affairs Officer (SAO) of the Department of Statistics & Data Science.

Name (Print): _________________________ Signature: __________________________ Date: ___________

SAO (Print): __________________________ Signature: __________________________ Date: ___________

Statistics & Data Science Major Preparatory Course Requirements
Required: Grade of C or above in each and 2.5 GPA or above in all prep courses.
Stats 10 (or 12, 13, Econ 41, Psych 100A, or AP Score of 4+)
Stats 20
Math 31A, 31B, 32A, 32B & 33A

Statistics & Data Science Major Upper Division Requirements
Stats 100A*, 100B** & 100C
Stats 101A, 101B & 101C
Stats 102A, 102B & 102C
Stats 140XP
Stats 141XP
Upper Division Elective 1
Upper Division Elective 2

* Math 170A, 170E, ECE 131A, OR CEE 110 also accepted for Stats 100A
** Math 170S also accepted for Stats 100B

Upper Division Electives
Math 177, Math 178A, Math 178B, Math 178C, Comm 153 or 188C, Digital Humanities 101, Econ 143, Econ
144, Econ 147, Ecology and Evolutionary Biology C172, Psych 142H

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