

DATA THEORY B.S.

PRE-MAJOR: 11 COURSES

Students can declare the pre-major at any time while in good academic standing.

| | Quarter | Grade | | Quarter | Grade | |
|------------|---------|-------|---|-----------|-------|-------|
| MATH 31A* | _____ | _____ | One course from the following: STATS 10-15 | | | |
| MATH 31B* | _____ | _____ | | 1. _____ | _____ | _____ |
| MATH 32A* | _____ | _____ | | STATS 20* | _____ | _____ |
| MATH 32B* | _____ | _____ | | STATS 21* | _____ | _____ |
| MATH 33A* | _____ | _____ | | PIC 10A* | _____ | _____ |
| MATH 42* | _____ | _____ | | | | |
| MATH 115A* | _____ | _____ | | | | |

*All preparation courses must be completed with a minimum overall **3.3** grade-point average and a grade of “C” or better in each course by the end of fall quarter of Year 3. Repetition of more than two courses more than once, results in automatic dismissal from the major.

THE MAJOR: 16 COURSES

Students must declare the major before reaching 160 units (not including AP units). *Other restrictions apply, please see the General Catalog for more information.*

| | Quarter | Grade | | Quarter | Grade |
|------------------------|---------|-------|------------|---------|-------|
| MATH 131A ⁺ | _____ | _____ | STATS 101A | _____ | _____ |
| MATH 118 | _____ | _____ | STATS 101C | _____ | _____ |
| MATH 156 | _____ | _____ | STATS 102A | _____ | _____ |
| | | | STATS 102B | _____ | _____ |
| | | | STATS 147 | _____ | _____ |
| | | | STATS 184 | _____ | _____ |

One 2-quarter sequence of Probability and Statistics

A. Intro to Probability and Statistics

| | | |
|-----------|-------|-------|
| MATH 170E | _____ | _____ |
| MATH 170S | _____ | _____ |

or

B. Intro to Probability and Mathematical Statistics

| | | |
|------------|-------|-------|
| STATS 100A | _____ | _____ |
| STATS 100B | _____ | _____ |

One mathematics elective from: MATH 151A, 151B, 164, 168, 171, 174E, 178A, 178B, 178C, 179, 182:

1. _____

One statistics elective from STATS 100C, 101B, 102C, C151-199:

1. _____

Two additional electives from the mathematics and/or statistics electives listed before:

1. _____

2. _____

One capstone course: MATH M148 **or** STATS M148 (to be taken in the final year):

1. _____

⁺Students must pass this course with a “C-” or better. It is strongly recommended that students take MATH 115A as one of their first upper division courses before MATH 131A.

All required courses for the major must be at least 4.0 units and taken for a letter grade, unless the class is a supplement to a larger course (e.g. a required lab).