# MATHEMATICS B.S.

## PRE-MAJOR: 11 COURSES
**Students can declare the pre-major at any time while in good academic standing.**

**Two** courses from the following:

| | Quarter | Grade | | Quarter | Grade |
|---|---|---|---|---|---|
| MATH 31A* | | | ECON 11 | | |
| MATH 31B* | | | CHEM 20A | | |
| MATH 32A* | | | CHEM 20B | | |
| MATH 32B* | | | LIFESCI 7A | | |
| MATH 33A* | | | PHYSICS 1B **or** 5B | | |
| MATH 33B* | | | PHYSICS 1C **or** 5C | | |
| MATH 11 **or** 61* | | | PHILOS 31 | | |
| PIC 10A | | | PHILOS 132 | | |
| PHYSICS 1A | | | | | |

*The mathematics sequenced courses are calculated separately from the other preparation for the major courses and must be completed with a minimum overall 2.5 grade-point average and a grade of "C" or better in each course. Repetition of more than two mathematics sequenced courses, or of any mathematics sequenced course more than once, results in automatic dismissal from the major.

## THE MAJOR: 12 COURSES
**Students must declare the major before reaching 160 units (not including AP units).**

**Five** upper division mathematics courses chosen from:
MATH 106–199, STATS 100A–102C

| | Quarter | Grade | | Quarter | Grade |
|---|---|---|---|---|---|
| MATH 115A[+] | | | 1. | | |
| MATH 131A[+] | | | 2. | | |
| MATH 110A | | | 3. | | |
| MATH 110B | | | 4. | | |
| MATH 120A | | | 5. | | |
| MATH 131B | | | | | |
| MATH 132 | | | | | |

[+]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).

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