

# MATHEMATICS OF COMPUTATION B.S.

## PRE-MAJOR: 13 COURSES

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

One course from the following:

	Quarter	Grade		Quarter	Grade
MATH 31A*	_____	_____	CHEM 20A	_____	_____
MATH 31B*	_____	_____	CHEM 20B	_____	_____
MATH 32A*	_____	_____	PHYSICS 1C	_____	_____
MATH 32B*	_____	_____			
MATH 33A*	_____	_____			
MATH 33B*	_____	_____			
MATH 61	_____	_____			
PHYSICS 1A	_____	_____			
PHYSICS 1B	_____	_____			
PIC 10A	_____	_____			
PIC 10B	_____	_____			
PIC 10C	_____	_____			

\*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.

Acceptable substitutions for pre-major requirements:

CS 31 for PIC 10A, CS 32 for PIC 10B, [CS 33 AND 35L] for PIC 10C

Completing PIC 10ABC will meet the requisite for some CS courses that require CS 32. Additional classes might have to be taken to meet other requisites. For more information and help with enrollment in CS courses, contact Engineering.

## THE MAJOR: 14 COURSES

Students must declare the major before reaching 160 units (not including AP units).

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

	Quarter	Grade		Quarter	Grade
MATH 115A <sup>+</sup>	_____	_____	1.	_____	_____
MATH 131A <sup>+</sup>	_____	_____	2.	_____	_____
MATH 131B	_____	_____	3.	_____	_____
or MATH 132	_____	_____	4.	_____	_____
MATH 151A	_____	_____	5.	_____	_____
MATH 151B	_____	_____	6.	_____	_____

Three upper division computer science courses:

1.	_____	_____
2.	_____	_____
3.	_____	_____

<sup>+</sup>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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