MATHEMATICS OF COMPUTATION B.S.

PRE-MAJOR: 13 COURSES
Students can declare the pre-major at any time while in good academic standing.

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

One course from the following:

	Quarter	Grade
CHEM 20A		
CHEM 20B		
PHYSICS 1C		

*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 CS 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).

	Quarter	Grade
MATH 115A[+]		
MATH 131A[+]		
MATH 131B or MATH 132		
MATH 151A		
MATH 151B		

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

	Quarter	Grade	
1.			
2.			
3.			
4.			
5.			
6.			

Three upper division Computer Science courses:

	Quarter	Grade	
1.			
2.			
3.			

[+]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 supplment to a larger course (e.g. a required lab).

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