

APPLIED MATHEMATICS B.S.

PRE-MAJOR: 11 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 11 or 61*	_____	_____			
PIC 10A	_____	_____			
PHYSICS 1A	_____	_____			
PHYSICS 1B	_____	_____			

*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).

		Two 2-quarter sequences chosen from three different categories:			
	Quarter	Grade		Quarter	Grade
MATH 115A ⁺	_____	_____	A. Differential Equations		
MATH 131A ⁺	_____	_____	MATH 134	_____	_____
MATH 131B	_____	_____	MATH 135	_____	_____
or MATH 132	_____	_____	B. Applied Numerical Methods		
MATH 142	_____	_____	MATH 151A	_____	_____
			MATH 151B	_____	_____
Four upper division mathematics courses chosen from: MATH 106–199, STATS 100A–102C			C. Probability and Statistics		
1. _____	_____	_____	MATH 170E	_____	_____
2. _____	_____	_____	MATH 170S	_____	_____
3. _____	_____	_____	or		
4. _____	_____	_____	STATS 100A	_____	_____
			STATS 100B	_____	_____
			or		
			MATH 170A	_____	_____
			MATH 170B	_____	_____

⁺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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