

# General Mathematics

**Only open to students who were enrolled at UCLA before Fall 2006**

## PREPARATION FOR THE MAJOR (11 COURSES):

Students are encouraged to complete these courses before taking upper-division major courses.

		Quarter	Grade
Mathematics 31A	Differential Calculus	_____	_____
Mathematics 31B	Integration and Infinite Series	_____	_____
Mathematics 32A	Calculus of Several Variables	_____	_____
Mathematics 32B	Calculus of Several Variables	_____	_____
Mathematics 33A	Linear Algebra and Applications	_____	_____
Mathematics 33B	Differential Equations	_____	_____
Mathematics 61	Discrete Structures	_____	_____
PIC 10A	Introduction to Programming	_____	_____

**3 additional courses from:** Chemistry 20AB, Physics 6ABC, Physics 1ABC, PIC 10B, 10C, 30, 60.

_____	_____	_____	_____
_____	_____	_____	_____

## THE MAJOR (12 COURSES):

		Quarter	Grade
Mathematics 115A	Linear Algebra	_____	_____
Mathematics 117	Algebra for Applications or Algebra	_____	_____
_____			
Mathematics 123	Differential Geometry or Foundations of Geometry	_____	_____
Mathematics 131A	Analysis	_____	_____
Mathematics 170A or Stats 100A or or Stats 110A	Probability Theory	_____	_____

1 course from Mathematics 131B-136 (Analysis):

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1 course from Mathematics 142-167 (Applied Mathematics):

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5 course from Mathematics 105-199 or Statistics 100B-102C

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_____	_____	_____	_____

- Recommended electives: 105AB, 106, 110BC, 111, 113, 131B, 132, 120AB, Stats 100BC.
- This major is designed to provide a strong mathematical background for students who plan to teach mathematics at the middle school or high school level.

For more information, contact student services, [ugrad@math.ucla.edu](mailto:ugrad@math.ucla.edu).