

Mathematics for Teaching

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	_____	_____
Physics 1A or 6A	Physics for Scientists/Engineers	_____	_____

2 additional courses from: Chemistry 20AB, Physics 1BC or 6BC, PIC 10B - 97, Econ 11.

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_____	_____	_____	_____

THE MAJOR (13 COURSES):

		Quarter	Grade
Mathematics 115A	Linear Algebra	_____	_____
Mathematics 105A	Teaching of Mathematics	_____	_____
Mathematics 105B	Teaching of Mathematics	_____	_____
Mathematics 105C	Teaching of Mathematics	_____	_____
Mathematics 106	History of Mathematics	_____	_____
Mathematics 117 or 110A	Algebra for Applications or Algebra	_____	_____
Mathematics 120A or 123	Differential Geometry or Foundations of Geometry	_____	_____
Mathematics 131A	Analysis	_____	_____
Mathematics 170A or Statistics 100A	Probability Theory	_____	_____
Statistics 100B	Statistics	_____	_____

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

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

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1 course from Mathematics 110B - 191 or Statistics 100C:

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- 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>.