

# MATHEMATICS (B.A.)

## Integrative Studies Requirements

40 credits minimum

Code	Title	Credits	Completed
<b>Major Requirements (48 credits)</b>			
MATH-141	Introductory Statistics	4	_____
MATH-181	Comp Tools for Problem Solving	4	_____
MATH-211	Calculus I	4	_____
MATH-212	Calculus II	4	_____
MATH-235	Discrete Math With Proof	4	_____
MATH-335	Linear Algebra	4	_____
MATH-341	Applied Statistics	4	_____
MATH-421	Abstract Algebra	4	_____
MATH-422	Geometry	4	_____
INPHYS-241	University Physics I	4	_____
<i>Select <b>one</b> of the following:</i>		4	_____
MATH-311	Vector Calculus		_____
MATH-312	Differential Equations		_____
MATH-342	Probability		_____
MATH-381	Math Modeling		_____
MATH-423	Real Analysis		_____
<i>Select <b>one</b> of the following:</i>		4	_____
ISCS-210	Python Programming		_____
IIPHYS-342	Data Analysis for Scientists		_____
<b>Total Credits</b>		<b>48</b>	_____

## Teacher Certification

Students pursuing this program who intend to teach either at the secondary or elementary level must meet the applicable requirements for teacher certification. Refer to the Educator Preparation section of this catalog for information on these requirements, including courses that are to be included as part of the Integrative Studies Program requirements.

### Dual Major in Education

- Secondary Education (for secondary school mathematics teaching)
- Elementary Education (for elementary school teaching)

## Electives

Select courses to reach a total of 120 credits for the degree.

## Degree Requirements

120 credits

40 credits at the upper-level