

# General Science

Bachelor of Science

A well-rounded view of scientific knowledge, along with the methodology and philosophy of science, will be earned with a General Science degree. Students will be able to critically analyze societal problems from a scientific viewpoint and propose responsible solutions to their communities.

## Career Options:

- Technical Writing
- Public Policy
- Lawyer
- Education
- Technical Sales
- Pharmaceuticals
- Lab and Industrial Sales

## Major Requirements:

Life Science w/Lab  
Methods in Biology  
Cell Biology  
Evolution  
General Chemistry I w/Lab  
General Chemistry II w/Lab  
General Physics I w/Lab  
General Physics II w/Lab  
Calculus I  
Elementary Statistics  
Programming Structures

*Two Earth Science Courses w/Laboratories from...*

Planetary Geology w/Lab  
Physical Geology w/Lab  
Fundamentals of Marine Geology w/Lab  
Chemistry Research Seminar or  
Earth Science Special Topics  
Independent Studies in Biology  
Research Seminar  
or Earth Science Research Topics

12 additional semester hours in upper level courses in BIO, CHM or PHY

## Minor Requirements:

Life Science w/Lab  
General Chemistry I w/Lab

*One Earth Science course with laboratory from*

Planetary Geology w/Lab  
Physical Geology w/Lab  
Fundamentals of Marine Geology w/Lab  
General Physics I w/Lab

8 semester hours of General Science electives

## Department Contact:

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# General Science

BS Undergraduate Plan

## General Education Requirements

I. Interdisciplinary Requirements	Credits
Ethics	3
International Studies	3
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Total Hours	6

  

II. Science Courses	Credits
Mathematics	3
Biology, including lab	4
Physics, Earth Science or Chemistry, incl. lab	4
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Total Hours	11

  

III. Social Science Courses	Credits
History, Political Science	3
Communication, Economics, Geography or Criminal Justice	3
Psychology or Sociology	3
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Total Hours	9

IV. Humanities Courses	Credits
Religion	3
English Composition	6
Literature	3
Art, Music or Entertainment/Theatre	3
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Total Hours	15

  

<b>TOTAL GENERAL EDUCATION HOURS</b>	<b>41</b>
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Unless otherwise specified, transferred credits may be used to fulfill the general requirements at the Registrar's discretion.

## Major Requirements

	Credits		Credits
BIO 101	Life Science	3	
BIO 102	Life Science Lab	1	
BIO 123	Methods in Biology	2	
BIO 200	Cell Biology	3	
BIO 222	Evolution	3	
CHM 111	General Chemistry I	3	
CHM 112	General Chemistry I Lab	1	
CHM 121	General Chemistry II	3	
CHM 122	General Chemistry II Lab	1	
PHY 211	General Physics I	3	
PHY 212	General Physics I Lab	1	
PHY 221	General Physics II	3	
PHY 222	General Physics II Lab	1	
MAT 121	Calculus I	4	
MAT 213	Elementary Statistics	3	
CIS 211	Programming Structures	3	
			<i>Two Earth Science Courses with laboratories from...</i>
		ERS 131	Planetary Geology 3
		ERS 132	Planetary Geology Lab 1
		ERS 141	Physical Geology 3
		ERS 142	Physical Geology Lab 1
		ERS 171	Fundamentals of Marine Geology 3
		ERS 172	Fundamentals of Marine Geology Lab 1
		CHM 412	Chemistry Research Seminar or
		ERS 495	Earth Science Special Topics 1-6
		BIO 421	Independent Studies in Biology 1-6
		ERS 491	Research Topics 1-6
			12 additional semester hours in upper level courses in BIO, CHM or PHY

## General Graduation Guidelines:

Total of 120 semester hours, 39 of which must be numbered 300 or 400.

(Other programs may require coursework beyond 120 semester hours.)

At least 9 semester hours of courses designated as writing intensive.

A declared major.

A cumulative GPA average of C (2.00) and at least a C average in the graduation major.