

General Science

Major Advisor: Emily Cain

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For various reasons, a student may not require the intensive preparation that is typical of a professional curriculum. The general science curriculum is tailored for their needs. Flexibility is the key characteristic of the curriculum. The general science program is designed to give students a broad general education and at the same time teach them the fundamentals of science. By judiciously choosing their course of study, a student may use the general science curriculum in many ways. For example, by concentrating on biological science or chemistry the student may prepare for medical or dental school, and with appropriate choice of electives preparation for clinical and other laboratory positions in such fields as public health and marine biology is possible.

If the student is interested in interdisciplinary studies related to environmental science, the general science curriculum is suitable. Any one of the physical or biological sciences may be emphasized. The curriculum, however, involves courses from several sciences, and from other fields concerned with the environment. Persons trained in this option should be in demand in the health industry, science laboratories, federal, state, and local governmental agencies, and in industries involved with earth resources.

Successful completion of the University and curriculum requirements will result in the awarding of a B.S. degree in General Science.

The following requirements apply to all general science students:

1. The B.S. Common Curriculum must be satisfied.
2. A minimum of 60 credit hours in science, of which at least 30 must be in one science, is required.
3. Electives must be approved by the faculty advisor.
4. A total of 124 credit hours is required.
5. A minimum grade of C is required for all Major Core courses, and in the 30 hours of one science.

General Education Requirements

English Composition

EN 1103	English Composition I	3
or EN 1104	Expanded English Composition I	
EN 1113	English Composition II	3
or EN 1173	Accelerated Composition II	

Creative Discovery

See A&S core		3
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Humanities

History - see A&S Core		3
Literature - see A&S Core		3

Social/Behavioral Sciences ¹

See A&S core		6
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Quantitative Reasoning

Math course above College Algebra		3
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Natural Sciences

GG 1113	Survey of Earth Sciences I	3
GG 1111	Earth Sciences I Laboratory	1
CH 1211	Investigations in Chemistry I	1
CH 1213	Chemistry I	3
PH 1113	General Physics I	3

College Requirements & Major Core

Additional College Requirements

Foreign Language

Foreign Language I

Foreign Language II

Oral Communication Requirement

CO 1003	Fundamentals of Public Speaking	3
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or CO 1013	Introduction to Communication	
Computer Literacy		3-4
Consult advisor for options		
Major Core ²		
GG 1113	Survey of Earth Sciences I (See General Education)	3
GG 1111	Earth Sciences I Laboratory (See General Education)	1
CH 1211	Investigations in Chemistry I (See General Education)	1
CH 1213	Chemistry I (See General Education)	3
CH 1221	Investigations in Chemistry II	1
CH 1223	Chemistry II	3
CH 4511	Organic Chemistry Laboratory I	1
CH 4513	Organic Chemistry I	3
CH 4521	Organic Chemistry Laboratory II	1
CH 4523	Organic Chemistry II	3
PH 1113	General Physics I (See General Education)	3
PH 1123	General Physics II	3
BIO 1144	Biology II	4
BIO 3103	Genetics I	3
A minimum of 60 credit hours in science, of which at least 30 must be in one science, is required. The courses taken in the chosen area of science will complete the Major Core.		
Writing Requirement		3
Consult advisor and choose from the following:		
BIO 3013	Professional Writing for Biologists	
EN 3303	Creative Writing	
GE 3513	Technical Writing	
GG 4333	Geowriting	
Free Electives		
Consult Advisor. Number needed depends on courses selected for the 30 hr science area.		
Total Hours		121

¹ Must be from 2 different areas and must be selected from University/A&S Core requirements.

² Student should check for prerequisites for all courses. Consult advisor. Minimum of 60 hours in science, of which at least 30 must be in one science.