

General Science

Major Advisor: Professor R. Torsten Clay

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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 his/her 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 his/her 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.

General Education and College Requirements

English Composition

EN 1103	English Composition I	3
or EN 1163	Accelerated Composition I	
EN 1113	English Composition II	3
or EN 1173	Accelerated Composition II	

Foreign Language

2 semesters - one Foreign Language (see advisor)	6
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Humanities

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

Mathematics

MA 1313	College Algebra	3
MA course above College Algebra		3

Fine Arts

See A&S requirements	3
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Natural Sciences

See major courses - consult advisor for specifics	9-12
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Social Sciences ¹

See A&S requirements	6
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Major Core ²

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
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	3
PH 1123	General Physics II	3
BIO 1144	Biology II	4
BIO 3103	Genetics I	3
Oral Communication Requirement		
CO 1003	Fundamentals of Public Speaking	3
Writing Requirement		
Consult advisor and choose from the following:		
BIO 3013	Professional Writing for Biologists	
EN 3303	Creative Writing	
GE 3513	Technical Writing	
GG 4333	Geowriting	
Computer Literacy		
Consult advisor for options		
General Electives		
Consult Advisor		13
Total Hours		124

- 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.
- 3 Consult advisor.