General Science

Major Advisor: Emily Cain
Office: 513 Allen Hall

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:

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

General Education and College 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 |

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

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

Mathematics
MA course above College Algebra 3

Fine Arts
See A&S requirements 3

Natural Sciences
Met in major core

Social Sciences 1
See A&S requirements 6

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**  121

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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.