

General Sciences Degree

Major Advisor:

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Introduction:

The General Sciences degree program is an interdisciplinary degree track that leads to the Bachelor of Science degree.

There can be many reasons why a student may not require the focus of a single science curriculum and one of the keys to the General Science degree is the flexibility that it offers. The degree is designed to provide a broad education and to teach the fundamentals of science. The judicious choice of classes allows a general science student to craft a degree that meets his or her career goals. For example, by concentrating on biological sciences or chemistry a student may prepare for entry to medical school (or other professional school in the health industry). Alternatively, and with the appropriate choice of electives, a student could prepare for a career in such fields as equipment or pharmaceutical sales or in a clinical or laboratory setting in areas such as public health or environmental sciences. Students with a General Sciences degree have obtained employment in the public and private sector, in industry, federal, state and local government, in the military and also gone on to graduate level work in such diverse fields as any of the core science areas, biomedical engineering, agriculture, business and law.

Degree Requirements:

The General Sciences Degree curriculum involves the following components:

- Satisfy the common Arts & Sciences core
- 60 hours of science in total with a minimum of 30 hours taken from one field of study
- Electives approved in conjunction with the program advisor to meet the 124 hour degree requirement

All students in the General Sciences degree program MUST take all of the following:

GG 1113	Earth Science I
GG 1111	Earth Science I Lab
CH 1211	Chemistry Lab
CH 1213	Fund of Chemistry
CH 1221	Chemistry Lab
CH 1223	Fund of Chemistry
CH 4511	Organic Chemistry Lab

CH 4513	Organic Chemistry
CH 4521	Organic Chemistry Lab
CH 4523	Organic Chemistry
PH 1113	General Physics I
PH 1123	General Physics II
BIO 1504	Principles of Zoology
BIO 3103	Genetics

All students must also satisfy the following requirements by selecting from each of the following lists in consultation with the program advisor:

1. Jr./Sr. Writing Requirement (3 hours)

BIO 3013	Professional Writing for Biologists
CH 4103	Chemical Literature
EN 3303	Creative Writing
GE 3513	Technical Writing
GG 4333	Geowriting

2. Computer Literacy (3 hours)

BIO 3013	Professional Writing for Biologists <u>plus</u>
	BIO 4133 Human Genetics <u>or</u>
	BIO 4442 Bacterial Genetics Laboratory
CH 1141	Professional Chemistry: Paths <u>plus</u>
	CH 2141 Professional Chemistry: Tools <u>and</u>
	CH 2314 Analytical Chemistry I
CSE 1233	Computer Programming with C
GR 4303	Principles of Geographic Information Systems
GR 4333	Geowriting

3. Public Speaking (3 hours)

CO 1003	Fundamentals of Public Speaking or
CO 1093	Honors Oral Communication