

# ACADEMIC MAP

## General Geology Geology, Bachelor of Science



First Year			Third Year		
<b>Fall</b>			<b>Fall</b>		
GEOL 1403	Physical Geology	4	GEOL 4416	Introduction to Geochemistry	4
MATH 2413	Calculus I	4	GEOL Elective		4
UNIV 1101	University Seminar I	1	POLS 2306	State and Local Government	3
ENGL 1301 or ENGL 1302	Writing and Rhetoric I or Writing and Rhetoric II	3	American History Core Requirement		3
COMM 1311	Foundation of Communication	3			
<b>Hours</b>		<b>15</b>	<b>Hours</b>		<b>14</b>
<b>Spring</b>			<b>Spring</b>		
GEOL 1404	Historical Geology	4	GEOL 3414	Igneous and Metamorphic Petrology	4
CHEM 1411	General Chemistry I	4	ARTS 1301	Art and Society	3
PHYS 1401	General Physics I	4	Language, Philosophy & Culture Core Requirement		3
UNIV 1102	University Seminar II	1	GEOL/Science Elective		4
GEOL 2102	Undergraduate Seminar in Geology-Careers in the Geosciences	1			
<b>Hours</b>		<b>14</b>	<b>Hours</b>		<b>14</b>
<b>Second Year</b>			<b>Fourth Year</b>		
<b>Fall</b>			<b>Fall</b>		
GEOL 3411	Mineralogy	4	GEOL 4411	Sedimentation and Stratigraphy	4
CHEM 1412	General Chemistry II	4	GEOL 4421	Structural Geology	4
PHYS 1402	General Physics II	4	GEOL/Science Elective		4
POLS 2305	U.S. Government and Politics	3	Social and Behavioral Sciences Core Requirement		3
<b>Hours</b>		<b>15</b>	<b>Hours</b>		<b>15</b>
<b>Spring</b>			<b>Spring</b>		
GEOL 2222	Karst Geology and Paleoclimatology	2	GEOL 3326	Introduction to Geological Field Methods	3
MATH 3342	Applied Probability and Statistics	3	GEOL 4444	Hydrogeology	4
GEOL/Science Elective		4	GEOL 4422	Geophysics	4
GEOL 2103	Undergraduate Seminar in Geology-Research in the Geosciences	1	GEOL/Science Elective		4
<b>Hours</b>		<b>13</b>	<b>Hours</b>		<b>15</b>
American History Core Requirement		3	<b>Summer</b>		
<b>Hours</b>		<b>13</b>	GEOL 4650	Field Geology	6
			<b>Hours</b>		<b>6</b>
			<b>Total Hours</b>		<b>121</b>



# CAREER MAP

## General Geology - Geology *Bachelor of Science*



The General Geology track is designed to serve students majoring in geology and environmental science as well as students in other fields who are interested in a broad overview of geologic processes. In addition, there are opportunities to pursue specialized knowledge in selected areas of geoscience in preparation for graduate study and careers in government, industry, or academia. Persons interested in geology should have a genuine interest in natural sciences, some inborn curiosity to figure “things” out, and, as in any technical profession, a good portion of perseverance and motivation. Many geologists like the outdoors, but a lot of geosciences is done in the lab, on the computer, on board of a ship, or using remotely operated tools such as satellites and the rovers on planet Mars.

### CONTACT INFORMATION

**Career Counselor:**

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### SKILLS/ATTRIBUTES

- Critical Thinking/Problem Solving
- Teamwork/Collaboration
- Professionalism/Work Ethic
- Oral/Written Communication
- Leadership
- Digital Technology
- Career Management
- Global/Multicultural Fluency
- Analytical
- Interpersonal skills
- Physical Stamina
- Public Speaking
- Technical Writing

### STUDENT ORGANIZATIONS

- Geology Club
- SACNAS Chapter at Texas A&M University - Corpus Christi

### ADDITIONAL SOURCES OF INFORMATION

1. American Geosciences Institute
2. American Association of Petroleum Geologists
3. Association of Women Geoscientists
4. American Institute of Professional Geologists
5. Geological Society of America

### CAREER OPTIONS

- Geologist
- Petrologist
- Petroleum Geologist
- Oceanographer
- Hydrologist
- Geophysics
- Mineralogist