

# ACADEMIC MAP

## Environmental Geology Track Geology, Bachelor of Science



FINISH IN



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 3443	Environmental Geology	4
UNIV 1101	University Seminar I	1	POLS 2306	State and Local Government	3
ENGL 1301	Writing and Rhetoric I	3	American History Core Requirement		
or ENGL 1302	or Writing and Rhetoric II		<b>Hours</b>		
COMM 1311	Foundation of Communication	3	<b>14</b>		
<b>Hours</b>			<b>14</b>		
<b>15</b>			<b>Spring</b>		
<b>Spring</b>			GEOL 3414	Igneous and Metamorphic Petrology	4
GEOL 1404	Historical Geology	4	ARTS 1301	Art and Society	3
CHEM 1411	General Chemistry I	4	Language, Philosophy & Culture Core Requirement		
PHYS 1401	General Physics I	4	GEOL/Science Elective		4
UNIV 1102	University Seminar II	1	<b>Hours</b>		
GEOL 2102	Undergraduate Seminar in Geology-Careers in the Geosciences	1	<b>14</b>		
<b>Hours</b>			<b>14</b>		
<b>14</b>			<b>Fourth Year</b>		
<b>Second Year</b>			<b>Fall</b>		
<b>Fall</b>			GEOL 4411	Sedimentation and Stratigraphy	4
GEOL 3411	Mineralogy	4	GEOL 4421	Structural Geology	4
CHEM 1412	General Chemistry II	4	GEOL/Science Elective		
PHYS 1402	General Physics II	4	Social and Behavioral Sciences Core Requirement		
POLS 2305	U.S. Government and Politics	3	<b>Hours</b>		
<b>Hours</b>			<b>15</b>		
<b>15</b>			<b>Spring</b>		
<b>Spring</b>			GEOL 3326	Introduction to Geological Field Methods	3
GEOL 2222	Karst Geology and Paleoclimatology	2	GEOL 4444	Hydrogeology	4
MATH 3342	Applied Probability and Statistics	3	GEOL 4422	Geophysics	4
GEOL/Science Elective			GEOL/Science Elective		
GEOL 2103	Undergraduate Seminar in Geology-Research in the Geosciences	1	<b>Hours</b>		
American History Core Requirement			<b>15</b>		
<b>Hours</b>			<b>6</b>		
<b>13</b>			<b>6</b>		
			<b>Summer</b>		
			GEOL 4650	Field Geology	6
			<b>Hours</b>		
			<b>6</b>		
			<b>Total Hours</b>		
			<b>121</b>		

This is not an official degree plan. It is a guideline for planning your courses. To access a copy of this academic map please visit [tamucc.edu/academics/planning/academic-advising/](http://tamucc.edu/academics/planning/academic-advising/)



# CAREER MAP

## GEOLOGY-ENVIRONMENTAL GEOLOGY TRACK

### Bachelor of Science



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 geoscience 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. Because science is also about effective communication, it helps to have a certain talent for technical writing and public speaking. Tracks students can choose from include: General Geology, Geochemistry, Environmental Geology, Energy Resources.

## CONTACT INFORMATION

### Career Counselor:

Career and Professional Development Center  
UC 304 | 361.825.2628  
career.center@tamucc.edu

### Internship Coordinator:

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### Department Contact:

Department of Physical and Environmental Sciences  
CS 205 | 361.825.6023  
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## 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	

## STUDENT ORGANIZATIONS

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

## 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