

ACADEMIC MAP

Energy Resources Track Geology, Bachelor of Science



First Year			Third Year		
Fall			Fall		
GEOL 1403	Physical Geology	4	GEOL 4416	Introduction to Geochemistry	4
MATH 2413	Calculus I	4	GEOL/Science Elective		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		3
or ENGL 1302	or Writing and Rhetoric II				
		Hours			14
COMM 1311	Foundation of Communication	3	Spring		
		Hours	GEOL 3414	Igneous and Metamorphic Petrology	4
		15	ARTS 1301	Art and Society	3
Spring			Language, Philosophy & Culture Core Requirement		3
GEOL 1404	Historical Geology	4	GEOL/Science Elective		4
CHEM 1411	General Chemistry I	4			Hours
PHYS 1401	General Physics I	4			14
UNIV 1102	University Seminar II	1	Fourth Year		
GEOL 2102	Undergraduate Seminar in Geology-Careers in the Geosciences	1	Fall		
		Hours	GEOL 4411	Sedimentation and Stratigraphy	4
		14	GEOL 4421	Structural Geology	4
Second Year			GEOL 4436	Introduction to Petroleum Geology	4
Fall			Social and Behavioral Sciences Core Requirement		3
GEOL 3411	Mineralogy	4			Hours
CHEM 1412	General Chemistry II	4			15
PHYS 1402	General Physics II	4	Spring		
POLS 2305	U.S. Government and Politics	3	GEOL 3326	Introduction to Geological Field Methods	3
		Hours	GEOL 4444	Hydrogeology	4
		15	GEOL 4422	Geophysics	4
Spring			GEOL/Science Elective		4
GEOL 2222	Karst Geology and Paleoclimatology	2			Hours
MATH 3342	Applied Probability and Statistics	3			15
GEOL/Science Elective		4	Summer		
GEOL 2103	Undergraduate Seminar in Geology-Research in the Geosciences	1	GEOL 4650	Field Geology	6
American History Core Requirement		3			Hours
		Hours			6
		13			Total Hours
					121



CAREER MAP

GEOLOGY-ENERGY RESOURCE 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
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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