

ACADEMIC MAP

GEOLOGY-GEOCHEMISTRY

Bachelor of Science



START HERE

SEMESTER 1 - FALL	CREDITS	COMPLETED
GEOL 1403 PHYSICAL GEOLOGY	4	✓
MATH 2413 CALCULUS I	4	
UNIV 1101 UNIVERSITY SEMINAR I	1	
ENGL 1302 WRITING AND RHETORIC II	3	
COMM 1311 FOUNDATION OF COMMUNICATION	3	

TOTAL CREDITS: 15

SEMESTER 2 - SPRING	CREDITS	COMPLETED
GEOL 1404 HISTORICAL GEOLOGY	4	
CHEM 1411 GENERAL CHEMISTRY I	4	
PHYS 1401 GENERAL PHYSICS I	4	
UNIV 1102 UNIVERSITY SEMINAR II	1	
GEOL 2102 UNDERGRADUATE SEMINAR IN GEOLOGY-CAREERS IN THE GEOSCIENCES	1	

TOTAL CREDITS: 14

YEAR 1

SEMESTER 3 - FALL	CREDITS	COMPLETED
GEOL 3411 MINERALOGY	4	
CHEM 1412 GENERAL CHEMISTRY II	4	
PHYS 1402 GENERAL PHYSICS II	4	
POLS 2305 U.S. GOVERNMENT AND POLITICS	3	

TOTAL CREDITS: 15

SEMESTER 4 - SPRING	CREDITS	COMPLETED
GEOL 2222 KARST GEOLOGY AND PALEOCLIMATOLOGY	2	
MATH 3342 APPLIED PROBABILITY AND STATISTICS	3	
GEOL/SCIENCE ELECTIVE	4	
GEOL 2103 UNDERGRADUATE SEMINAR IN GEOLOGY-RESEARCH IN THE GEOSCIENCES	1	
HIST 1301 U.S. HISTORY TO 1865	3	

TOTAL CREDITS: 13

YEAR 2

SEMESTER 5 - FALL	CREDITS	COMPLETED
GEOL 4416 INTRODUCTION TO GEOCHEMISTRY	4	
CHEM 3418 INSTRUMENTAL ANALYSIS	4	
POLS 2306 STATE AND LOCAL GOVERNMENT	3	
HIST 1302 U.S. HISTORY SINCE 1865	3	

TOTAL CREDITS: 14

SEMESTER 6 - SPRING	CREDITS	COMPLETED
GEOL 3414 IGNEOUS AND METAMORPHIC PETROLOGY	4	
ARTS 1301 ART AND SOCIETY	3	
PHIL 1301 INTRODUCTION TO PHILOSOPHY	3	
GEOL/SCIENCE ELECTIVE	4	

TOTAL CREDITS: 14

YEAR 3

SEMESTER 7 - FALL	CREDITS	COMPLETED
GEOL 4411 SEDIMENTATION AND STRATIGRAPHY	4	
GEOL 4421 STRUCTURAL GEOLOGY	4	
GEOL/SCIENCE ELECTIVE	4	
PSYC 2301 GENERAL PSYCHOLOGY	3	

TOTAL CREDITS: 15

SEMESTER 8 - SPRING	CREDITS	COMPLETED
GEOL 3326 INTRODUCTION TO GEOLOGICAL FIELD METHODS	3	
GEOL 4444 HYDROGEOLOGY	4	
GEOL 4422 GEOPHYSICS	4	
GEOL/SCIENCE ELECTIVE	4	

TOTAL CREDITS: 15

YEAR 4

SUMMER 4	CREDITS	COMPLETED
GEOL 4650 FIELD GEOLOGY	6	

TOTAL CREDITS: 6

SUMMER

121 CREDITS | FINISHED!



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/

CAREER MAP

GEOLOGY-GEOCHEMISTRY

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:

Valeriu Murgulet
CS 205 | 361.825.6023
valeriu.murgulet@tamucc.edu

Department Contact:

Department of Physical and Environmental Sciences
CS 205 | 361.825.6023
valeriu.murgulet@tamucc.edu

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