

Bachelor of Science in Geology -- 120 Credits

Petroleum Geology
 JGEOLOGY-BS / JPETGEO-SP (RG 9662)
 Effective August 2024

GENERAL EDUCATION REQUIREMENTS

REQUIRED COURSES (RG 6813)

Foundational Courses		CR	Satisfied/Term
Engcmp 0005	Composition I	3	
Engcmp 0006	Composition II	3	
CommRc 0052	Public Speaking	3	
Basic Algebra or Placement Test			
Math 0001	Algebra 1	3	
Quantitative Reasoning (QR) - 1 Course			
<i>Note - a student cannot test out of their QR requirement.</i>			
		3	

FREE ELECTIVES

Free electives are the balance of credits required for graduation (120) that are not used to satisfy competencies, knowledge areas, major requirements, electives, or any related area required by the department.

	CR	Satisfied/Term

WORLDS OF KNOWLEDGE (RG 6825)

Aesthetic and Creative Expression (RQ 3148)				
Subject	Number	Course Title	CR	Satisfied/Term
			3	
			3	

Societies & Civics (RQ 3150)				
Subject	Number	Course Title	CR	Satisfied/Term
			3	
			3	

Follow-Up Courses (RQ 3154)				
Subject	Number	Course Title	CR	Satisfied/Term
Chem	0112	Gen. Chem 2	3	

Each student must take 2 courses in each World of Knowledge. The two courses taken within each World must be from different subjects. A student must take two additional "Follow-Up" courses from any World.

- >The minimum number of courses taken in the Worlds must be 10.
- >The Follow-Up courses may repeat a subject previously taken in a World.
- >A student cannot use a major required Subject course in one of the Worlds.
- >For example: A Biology student cannot use BIOL 0110 to fulfill a requirement in the Science and Nature World.
- >Students cannot use a course to count both in their QR requirement and one of the Worlds.
- >Students can choose QR and Worlds of Knowledge courses from published course lists.

Global History & Culture (RQ 3149)				
Subject	Number	Course Title	CR	Satisfied/Term
			3	
			3	

Science & Nature (RQ 3153)				
Subject	Number	Course Title	CR	Satisfied/Term
Chem	0111	Gen Chem 1	3	

MAJOR REQUIREMENTS (RG 9662)

Required Geology Courses (RQ 4937)			
Course	Title	CR	Satisfied/Term
Geo 0100	The Physical Earth	3	
Geo 0105	The Physical Earth Lab	1	
Geo 0300	Geodynamics	4	
Geo 0900	Mineralogy	4	
Geo 1000	Structural Geology	4	
Geo 1350	Geol Field Methods	4	
Requirement Satisfied		20	

Required Chemistry Courses (RQ 3571)			
Course	Title	CR	Satisfied/Term
Chem 0111	General Chemistry 1	3	
Chem 0112	General Chemistry 2	3	
Chem 0113	General Chemistry 1 Lab	1	
Chem 0114	General Chemistry 2 Lab	1	
Requirement Satisfied		8	

Required Math Course (RQ 3573)			
Course	Title	CR	Satisfied/Term
Math 0221	Analytic Geom & Calc 1	4	
Requirement Satisfied		4	

Required Geography Courses (RQ 4938)			
Course	Title	CR	Satisfied/Term
Geo 0420	Cartography	3	
Geo 1150	GIS	3	
Requirement Satisfied		6	

Real World Experience Courses (RQ 4939)			
Course	Title	CR	Satisfied/Term
Geo 1305	Senior Capstone	4	
Geo 1400	Internship	4	
Requirement Satisfied		8	

Required Petroleum Geology (RQ 4943)			
Course	Title	CR	Satisfied/Term
Geo 0110	Intro to the Environment	3	
Geo 0220	Fossil Fuels & Econ Geology	3	
Geo 0920	Geomorphology	4	
Geo 0940	Paleontology		
	Or Geo 1210 Hydrogeology	4	
Geo 1020	Geophysics	4	
Geo 1250	Sediment. & Stratigraphy	4	
Geo 1280	Renewable Energy	3	
Chem 0230	Fund of Organic Chemistry	3	
	Or Chem 0231 Organic Chemistry 1	4	
Chem 0235	Fund of Organic Chemistry Lab		
	Or Chem 0233 Organic Chem 1 Lab	1	
Requirement Satisfied		29-30	

MGPA (RQ 4944)
 Major 50% (RQ 4945)

Created 3/5/2025

IMPORTANT INFORMATION:

This sheet is an unofficial representation of the proposed major requirements and the information is subject to change. It is not an official record of academic progress and should not be treated as such. Official degree information can only be obtained through the Division Office or the Office of the Registrar.