



DEPARTMENT OF GEOLOGY & GEOPHYSICS

COLLEGE OF MINES AND EARTH SCIENCES | THE UNIVERSITY OF UTAH

COURSE REQUIREMENTS BACHELOR OF SCIENCE IN GEOSCIENCE-GEOLOGY

Required Courses

Complete all of the following:

Geoscience Core:	<u>Credits</u>	<u>Semester</u>	<u>Prerequisites</u>
• GEO 1100 Evolving Earth	3	Fall/Spring	None
• GEO 2100 Reactive Earth	3	Fall/Spring	CHEM 1210, GEO 1100
• GEO 2500 Wasatch in the Field	3	Fall	None
• GEO 3100 Dynamic Earth	3	Fall/Spring	PHYS 2210, GEO 2100
• GEO 4500 Field Methods	3	Spring	GEO 2500, 3100
Field Camp:			
• GEO 4510 Field Geology (Pt. 1)	2	Summer	GEO 4500
• GEO 4520 Field Geology (Pt. 2)	2	Summer	GEO 4510
Electives:			
• Complete at least 12 credits from the following types of courses: 3000-5999 in GEO, MET E, ATMOS, MG EN, BIOL, MATH, CHEM, PHYS, BIOEN, CH EN, CS, CVEEN, ECE, ME EN, MSE			

Emphasis Required Courses

Complete all of the following:

Geology Emphasis Required Courses:			
• GEO 3020 Mineralogy	3	Fall	GEO 2100 (recommended prereq)
• GEO 3040 Sed & Strat	4	Fall	GEO 3100
• GEO 3050 Petrogen of I&M Rocks	4	Spring	GEO 2100, CHEM 1210, MATH 1220, GEO 3020
• GEO 4060 Structural Geo & Tec	4	Spring	GEO 3100
Geology Emphasis Electives:			
Earn at least 9 credits from the following:			
• GEO 3010 Geophysics	3	Spring	PHYS 2220
• GEO 3180 Paleobiology	3	Spring	None
• GEO 3250 Geology of Utah	3	Fall	GEO 1100
• GEO 3800 The Oceans	3	Fall	GEO 1100
• GEO 5000-5999			

Allied Science

Complete all of the following:

- | | | | |
|------------------------------------|---|-----|-------------------------------|
| • CHEM 1210 General Chemistry I | 4 | All | MATH 1050 |
| • CHEM 1215 Gen Chem I Lab | 1 | All | CHEM 1210 coreq |
| • CHEM 1220 General Chemistry II | 4 | All | CHEM 1210 |
| • CHEM 1225 Gen Chem II Lab | 1 | All | CHEM 1215 |
| • MATH 1210 Calculus I | 4 | All | MATH 1050 & 1060 or MATH 1080 |
| • MATH 1220 Calculus II | 4 | All | MATH 1210 |
| • PHYS 2210 Physics for Sci&Eng I | 4 | All | MATH 1210 |
| • PHYS 2220 Physics for Sci&Eng II | 4 | All | PHYS 2210, MATH 1220 |

Complete at least 1 of the following:

- | | | | |
|----------------------------------|---|------|-----------|
| • MET E 3070 Stat Methods in ESE | 3 | Fall | MATH 1050 |
| • MATH 3070 Applied Statistics I | 4 | All | MATH 1220 |

Other Requirements

University of Utah General Education Requirements

The University of Utah requires a total of 122 college level credits to complete a Bachelor's degree. Additional elective courses may need to be completed to fulfill the total of 122 credits. Check with your academic advisor with any questions or concerns.

Academic Advisor
Michelle Tuitupou
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801-581-6553
383 FASB



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SAMPLE SCHEDULE BACHELOR OF SCIENCE IN GEOSCIENCE-GEOLOGY

Fall Semester

MATH 1210	4
CHEM 1210	4
CHEM 1215	1
GEO 1100	3
GEO 2500	<u>3</u>
Total:	15

Spring Semester

MATH 1220	4
CHEM 1220	4
CHEM 1225	1
GEO 2100	3
WRTG 2010 (WR)	<u>3</u>
Total:	15

Fall Semester

PHYS 2210	4
GEO 3100 (QI)	3
GEO 3020	3
MET E 3070	<u>3</u>
Total:	13

Spring Semester

PHYS 2220	4
GEO 3050	4
Elective ¹	3
(AI)	<u>3</u>
Total:	14

Fall Semester

GEO 3040	4
Elective ¹	3
(FF)	3
(HF)	<u>3</u>
Total:	13

Spring Semester

GEO 4060 (QI)	4
Elective ¹	3
(FF)	3
(HF)	<u>3</u>
Total:	13

Fall Semester

Elective ¹	3
Geology Elective ²	3
Geology Elective ²	3
(BF)	3
(IR)	<u>3</u>
Total:	15

Spring Semester

GEO 4500 (CW)	3
Geology Elective ¹	3
(BF)	3
(DV)	<u>3</u>
Total:	12

Summer

GEO 4510	2
GEO 4520	<u>2</u>
Total:	4

¹Elective: Completed at least 12 credits from the following types of courses: 3000 - 5999 in GEO, MET E, ATMOS, MG EN , BIOL, MATH, CHEM, PHYS, BIOEN, CH EN, CS, CVEEN, ECE, ME EN, MSE

²Geology Elective: Earned at least 9 credits from: Courses from GEO 5000-5999, [GEO 3010](#) - Geophysics (3), [GEO 3250](#) - Geology of Utah (3), [GEO 3180](#) - Paleobiology (3), [GEO 3800](#) - The Oceans (3).

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