

**Bachelor of Science in Geo-Environmental Studies
Geoscience Track
2020-21 and beyond**

Requirements for a B.S. in Geo-Environmental Studies	Sem. Hrs.
Freshman Seminar	1
General Education Requirements (*included in Gen. Ed.)	44

Major Requirements

Core courses (21 Sem. Hrs [15 hrs Gen Ed])

_____ BIO 1000 Principles of Biology* (3 hrs)	_____ GGY 1010/1020 Prin. of Geo/World Reg. Geo.* (3 hrs)
_____ BIO 3040 Ecology (4 hrs)	_____ GLY 1150 Earth Science* (3 hrs)
_____ CHM 1100 General Chemistry Lab 1 (1 hr)	_____ GLYL 1150 Earth Science Lab (1 hr)
_____ CHM 1300 General Chemistry 1* (3 hrs)	_____ GGY 2500 Intro to Cartography (3 hrs)
_____ MAT 2100 Statistics (3 hrs)	_____ GGY 4100 Land Use Planning (3 hrs)
_____ PLS 1000 Intro to Political Science* (3 hrs)	_____ GLY 2620 Environmental Geology (3 hrs)
	_____ GLY/GGY 4010 Internship (3 hrs)

Geoscience Track Requirements (16 Sem. Hrs.)

_____ GLY 1250 Earth History	_____ CHM 1110 General Chemistry Lab 2
_____ GLYL 1250 Earth History Lab	_____ CHM 1310 General Chemistry 2
_____ GLY 3100 Minerals and Rocks	_____ MAT 2150 or 2210 Intro to Calculus
_____ GLY 3110 Minerals and Rocks Lab	

Upper Level Geo-Environmental courses (6 Sem. Hrs.)

_____ GGY 3290 Society and the Environment	_____ GLY 3250 Paleontology
_____ GGY 3312 Political Geography	_____ GLY 3660 Geomorphology
_____ GGY 3700 Geography of Africa	_____ GLY 4040 Remote Sensing
_____ GGY 3720 North America	_____ GLY 4150 Geology Fieldtrip
_____ GGY 3770 Geography of American Indians	_____ GLY 4250 Stratigraphy and Sedimentology
_____ GGY 3780 Geography of Latin America	_____ GLY 4700 Writing in the Geosciences
_____ GGY 3790 Geography of Asia	_____ GLYS 4xxx Special Topics in Geology
_____ GGY 3800 World Prehistory	
_____ GGYS 4xxx Special Topic in Geography	

Select courses (12 Sem. Hrs.)

2000 or higher level BIO, ENV, CSC, CHM, PHY, EGR, GLY, GGY classes;
or MAT 2220 or 3000 or higher level Math classes

Electives 20

According to the University catalog, students must have a minimum overall GPA of 2.0 AND a minimum GPA of 2.0 in their major to graduate.

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GEOGRAPHY (GGY)

- GGY 1010. Principles of Geography**, 3 credit hours.
- GGY 1020. World Regional Geography**, 3 credit hours.
- GGY 2000. Cultural Geography**, 3 credit hours.
- GGY 2040. World Geography Bowl**, 1 credit hour.
- GGY 2060. Economic Geography** (ECN 2060), 3 credit hours.
- GGY 2460. Weather and Climate** (GLY 2460, PHS 2460), 3 credit hours.
- GGY 2500. Introduction to Cartography**, 3 credit hours.
- GGY 2620. Environmental Geology** (GLY 2620), 3 credit hours.
- GGY 2700. Introduction to Geographic Information Science**, 4 credit hours.
- GGY 3290. Society and the Environment**, 3 credit hours.
- GGY 3312. Political Geography** (PLS 3312), 3 credit hours.
- GGY 3550. Geographic Traditions and Methods**, 3 credit hours.
- GGY 3700. Geography of Africa**, 3 credit hours.
- GGY 3720. North America**, 3 credit hours.
- GGY 3770. Geography of American Indians**, 3 credit hours.
- GGY 3780. Geography of Latin America**, 3 credit hours.
- GGY 3790. Geography of Asia**, 3 credit hours.
- GGY 3800. World Prehistory**, 3 credit hours.
- GGY 4010. Internship in Geography**, 3-4 credit hours. PREREQ: Permission of instructor.
- GGY 4020. Coding for the Geosciences and Geospatial Technologies**, 1 credit hour.
- GGY 4030. Ground Penetrating Radar** (GLY 4020), 1 credit hour.
- GGY 4040. Remote Sensing** (GLY 4040), 3 credit hours.
- GGYL 4040. Remote Sensing Lab**, 1 credit hour.
- GGY 4050. Quantitative Methods**, 3 credit hours.
- GGY 4100. Land Use Planning**, 3 credit hours. PREREQ: GGY 1010 and GGY 2500.
- GGY 4610. GTC Capstone**, 1 credit hour. PREREQ: Permission of Instructor.
- GGY 4700. Writing in the Geosciences**. 3 credit hours. PREREQ: Junior or Senior, C or better in English 1060
- GGYS 2xxx. General Topics in Geography**, 1-4 credit hours.
- GGYS 4xxx. Special Topics in Geography**, 1-4 credit hours.

GEOLOGY (GLY)

- GLY 1000. Physical Geology**, 3 credit hours.
- GLYL 1000. Physical Geology Laboratory**, 1 credit hour. PREREQ: Current enrollment in or completion of GLY 1000.
- GLY 1150. Earth Science** (GGY 1150), 3 credit hours.
- GLYL 1150. Earth Science Laboratory** (GGYL 1150), 1 credit hr. PREREQ: Enrollment in or completion of GLY 1150.
- GLY 1250. Earth History**, 3 credit hours.
- GLYL 1250. Earth History Laboratory**, 1 credit hour. PREREQ: Current enrollment in or completion of GLY 1250.
- GLY 2260. Oceanography**, 3 credit hours. PREREQ: GLY 1000 or GLY 1150.
- GLY 2460. Weather and Climate** (GGY 2460, PHS 2460), 3 credit hours.
- GLY 2620. Environmental Geology** (GGY 2620), 3 credit hours. PREREQ: GLY 1000 or GLY 1150.
- GLY 3100. Minerals and Rocks**, 3 credit hrs. PREREQ: GLY 1000 or GLY 1150 and concurrent enrollment in GLY 3110.
- GLY 3110. Minerals and Rocks Laboratory**, 1 credit hour. Concurrent enrollment in GLY 3100.
- GLY 3250. Paleontology**, 3 credit hours. PREREQ: GLY 1000 or GLY 1150 & BIO 1000.
- GLY 3660. Geomorphology**, 3 credit hours. PREREQ: GLY 1000 or GLY 1150.
- GLY 4010. Geology Internship**, 3 credit hours. PREREQ: Departmental approval.
- GLY 4020. Ground Penetrating Radar** (GGY 4020), 1 credit hour.
- GLY 4040. Remote Sensing** (GGY 4040), 3 credit hours.
- GLY 4150. Geology Field Trip**, 1 - 3 credit hours. PREREQ: GLY 1150.
- GLY 4250. Stratigraphy and Sedimentology**, 3 credit hours. PREREQ: GLY 1250.
- GLY 4700. Writing in the Geosciences**. 3 credit hours. PREREQ: Junior or Senior, C or better in English 1060
- GLYS 2xxx. General Topics in Geology**, 1-4 credit hours.
- GLYS 4xxx. Special Topics in Geology**, 1-4 credit hours.