

**Suggested Curriculum Guide for Geology, B.S.****Freshman (1st Semester) 18 hrs**

GSD 101- Foundations in Learning

† GLY Restricted Elective #1

Gen. Ed. 1A (*ENG 101*)Gen. Ed. 3A (*Arts*)

Gen. Ed. 5B Course 1

Gen Ed. 3B Course 1

3

3

3

3

3

3

Freshman (2nd Semester) 17 hrs

† GLY Restricted Elective #1

‡ MAT 122 (*or higher*) (*fulfills Gen. Ed. 2*)-Precalculus

Mathematics

Gen. Ed. 1B (*ENG 102*)Gen. Ed. 1C (*Oral Comm.*)

Gen. Ed. 5B Course 2

3

5

3

3

3

3

Sophomore (1st Semester) 14-16 hrs‡ CHE 111/111L (*fulfills Gen. Ed. 4*)- General Chemistry I and Lab

GLY 309- Mineralogy

‡ PHY 101 *or* 131 *or* 201 (*fulfills Gen. Ed. 4*)-Concepts of thePhysical world *or* College Physics I *or* University Physics IGen. Ed. 5A (*History*)

4

4

3-5

3

Sophomore (2nd Semester) 16 hrs

GEO 353- Geographic Information Systems

GLY 409*- Igneous & Metamorphic Petrology

Gen. Ed. 3B (*Humanities*) Course 2

Free Elective

Free Elective

3

4

3

3

3

Junior (1st Semester) 14 hrs

GLY 410- Structural Geology

GLY 415- Sedimentary Geology

Free Elective

Free Elective

4

4

3

3

Junior (2nd Semester) 14-16 hrs

GLY 456- Remote Sensing

GLY 420- Stratigraphy and Paleontology

GLY 450- Evolution of the Earth

Free Elective

Free Elective

3

4

3

3

1-3

Senior (1st Semester) 12 hrs

GLY 315- Meteorology

GLY 498- Capstone Project in Geology

‡ GEO/GLY Restricted Elective #2

Free Elective (*upper division*)

3

3

3

3

Senior (2nd Semester) 12 hrs

GLY 499- Senior Thesis

GLY 535- Hydrogeology

‡ GEO/GLY Restricted Elective #2

Free Elective

3

3

3

3

UNIVERSITY GRADUATION REQUIREMENTS.

General Education.

Foundations in Learning (GSD 101; waived for transfers with 30+ hrs)

39 hours

33 hours

3 hours

MAJOR REQUIREMENTS**Core Courses**

GLY 309, GEO 353, GLY 409, GLY 410, GLY 415, GLY 420, GLY 450W, GLY 498 and GLY 499 OR GLY 451, GLY 535

41 hours

†PLUS SIX (6) HOURS selected from the following (restricted elective 1):

GLY 104, GLY 107, GLY 108, GLY 109, GEO 210

Concentration Requirements

GEO 456, GLY 315▲

12 hours

‡PLUS SIX (6) HOURS selected from the following (restricted elective 2):

GEO 302W, GEO 315, GEO 325, GEO 343, GEO 351, GEO 453, GEO 455, GEO 458, GEO 501, GLY 210, GLY 303, GLY 351, GLY 408, GLY 460, GLY 480, GLY 482, GLY 580

Supporting Course RequirementsCHE 111, CHE 111L, MAT 122 (*or higher*), PHY 101 or PHY 131 or *PHY 201**3-5 hours****Free Electives****23-25 hours****Total Curriculum Requirements****120 hours**