



Astronomy

and Math (2026-27)

Department of Physics, Geosciences, and

College of Science, Technology, Engineering,

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. Course
Gen. Ed. Course
Gen. Ed. Course

Sophomore (1st Semester) 14-16 hrs

⁶CHE 111/111L (fulfills Gen. Ed. 4)- General Chemistry I and Lab
GLY 309- Mineralogy
⁶PHY 101 **or** 131 **or** 201 (fulfills Gen. Ed. 4)-Concepts of the
Physical world **or** College Physics I **or** University Physics I
Gen. Ed. Course

Junior (1st Semester) 14 hrs

GLY 410- Structural Geology
GLY 415- Sedimentary Geology
GEO 455 GIS
Cartography
Elective

Senior (1st Semester) 12 hrs

Free Elective
‡ GEO/GLY Restricted Elective #2
‡ GEO/GLY Restricted Elective #2
Free Elective (*upper division*)

Freshman (2nd Semester) 17 hrs

3 † GLY Restricted Elective #1
3 ⁶ MAT 122 (*or higher*) (fulfills Gen. Ed. 2)-Precalculus
3 Mathematics
3 Gen. Ed. 1B (ENG 102)
3 GEO 353 Geographic
3 Information Systems
3 Gen. Ed. Course

Sophomore (2nd Semester) 16 hrs

4 GEO 453- Advanced Geographic Information Systems
4 GLY 409*- Igneous & Metamorphic Petrology
3-5 Gen. Ed. Course
3 Free Elective
3 Free Elective

Junior (2nd Semester) 16 hrs

4 GEO 456- Remote Sensing
4 GLY 420- Stratigraphy and Paleontology
3 GEO 302 Global Environmental Problems
3 Free Elective
3 Free Elective

Senior (2nd Semester) 12 hrs

3 Free Elective
3 GLY 535- Hydrogeology
3 ‡ GEO/GLY Restricted Elective #2
3 Free Elective

UNIVERSITY GRADUATION REQUIREMENTS.

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

33 hours

30 hours
3 hours

MAJOR REQUIREMENTS

Core Courses

53 hours

GLY 309, GLY 409, GLY 410, GLY 415, GLY 420, GLY 535, GEO 302, GEO 353, GEO 453, GEO 455, GEO 456

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

GLY 104, GLY 108, GLY 109, GEO 210, GEO 110

‡PLUS NINE (9) HOURS selected from the following (restricted elective 2):

GLY 210, GLY 303, GLY 315, GLY 351, GLY 408, GLY 480, GLY 482, GLY 580, GEO 315, GEO 325, GEO 351, GEO 458, GEO 501, AEM 195, CON 221, HLS 461, HLS 491, STA 215, STA 270, CSC 174

Supporting Course Requirements

..3-5 hours

CHE 111, CHE 111L, MAT 122 (or higher), PHY 101 or PHY 131 or *PHY 201

Free Electives

.. 20-22 hours

Total Curriculum Requirements

120 hours