

Degree Map: [Geology \(BS\)](#)

Geology Program

School of Natural Science & Mathematics | Stockton University

USC 1 - 240 | 609-652-4546

The following is a **suggested** plan of study for completion of this degree program.

The **goal of a Degree Map** is to ensure that students graduate with no more than 128 credits and in four years.

- All students should speak with their preceptor about their academic programs.
- Students are encouraged to take overload and Summer courses to facilitate their progress towards graduation as necessary.
- Transfer students may not need to take all courses in the plan; they should consult with an academic advisor.

FIRST YEAR - FALL	Credit	FIRST YEAR - SPRING	Credit
Course load	17	Course load	19
First-year seminar (FRST or G-Course) Optional Attributes: A, H, I, R, and/or V	4	G-Course Optional Attributes: A, H, I, R, and/or V	4
GEOL 2101/05 Physical Geology and Lab	5	GEOL 2102/06 Historical Geology w/lab	5
MATH 1100 Precalculus Attribute: Q1	4	MATH 2215 Calculus I Attribute: Q1	5
G-Course Attribute: W1	4	CHEM 2110/15 Chemistry I: General Principles w/lab ¹ Attribute: Q2	5

SECOND YEAR - FALL	Credit	SECOND YEAR - SPRING	Credit
Course load	17	Course load	16-17
G-Course Optional Attributes: A, H, I, R, and/or V	4	G-Course Optional Attributes: A, H, I, R, and/or V	4
GEOL 3211 Mineralogy (ODD YEARS) OR GEOL 3221 Field Geology Attribute: W1-GEOL 3221 only (EVEN YEARS)	4	GEOL 3212 Petrology (EVEN YEAR) OR GEOL 3232 Structural Geology (ODD YEARS)	4
GEOL 3231 Sedimentology and Stratigraphy (ODD YEARS) OR G-Course/ASD (EVEN YEARS)	4	CHEM 2120/25 Chemistry II: Organic Structure w/lab ¹ OR CHEM 2140 Chemistry IV; Theory and Application w/lab ¹ Attribute: Q2 -CHEM IV only	4-5
MATH 2216 Calculus 2 Attribute: W1	5	G-course OR ASD Attribute: W1/W2	4

THIRD YEAR - FALL	Credit	THIRD YEAR - SPRING	Credit
Course load	17-18	Course load	17- 18
G-course Optional Attributes: A, H, I, R, and/or V	4	G-course Optional Attributes: A, H, I, R, and/or V	4
GEOL 3211 Mineralogy (ODD YEARS) OR GEOL 3221 Field Geology (EVEN YEARS)	4	GEOL 3212 Petrology (EVEN YEAR) OR GEOL 3232 Structural Geology (ODD YEARS)	4
GEOL 3231 Sedimentology and Stratigraphy (ODD YEARS) OR G-Course/ASD (EVEN YEARS)	4	PHYS2230/35 Physics II w/lab ² OR PHYS 2120/25 Physics for Life Sciences II w/lab ² Attribute: Q1	5-6
PHYS 2220/25 Physics I w/lab ² OR PHYS 2110/15 Physics for Life Sciences w/lab ² Attribute: Q1	5-6	G-course OR ASD Attribute: W1/W2	4

FOURTH YEAR - FALL	Credit	FOURTH YEAR - SPRING	Credit
Course load	14-16	Course load	12

This document is not a substitute for academic advisement.

Approved by The Geology Program (February 2022)

FOURTH YEAR - FALL	Credit	FOURTH YEAR - SPRING	Credit
G-course OR ASD Optional Attributes: A, H, I, R, and/or V	4	G-course OR ASD Optional Attributes: A, H, I, R, and/or V	4
GEOL 3000+ Elective ³ /NAMS Cognate	4	GEOL 3000+ Elective ³ /NAMS Cognate	4
GEOL 3000+ Elective ³ /NAMS Cognate	4	GEOL 3000+ Elective ³ /NAMS Cognate	4
GEOL 4800/4900 Independent Study or Internship	2-4		

GRADUATION REQUIREMENT TRACKER

G-course	✓
GAH	
GAH	
GEN	
GIS	
GNM	
GNM	
GSS	
GSS	

Quantitative Reasoning	✓
Q1 (First year)	
Q1/Q2	
Q2	

At-some-distance	✓
ASD	
ASD	
ASD	
ASD	

Attributes	✓
A	
H	
I	
R1	
R2	
V	

Writing Requirement	✓
W1 (First year)	
W1/W2	
W1/W2	
W1/W2 (3000 level or higher)	

Program specific notes

- A **2.0 GPA** is required in all NAMS courses. A **2.0 GPA** is required in all GEOL courses.
- ¹ It is important to note that at Stockton, Chemistry I and IV are 'General Chemistry' **Attribute:** Q2 while CHEM II and CHEM III are 'Organic Chemistry', thereby students may proceed to CHEM II or CHEM IV after taking CHEM I with lab.
² More sections of PHYS 2110/15 and PHYS 2220/25 are offered in the Fall semester. More sections of PHYS 2120/25 and PHYS 2230/35 are offered in the Spring semester.
- ³ Most 3000 and 4000-level courses are offered in alternate years.

ADDITIONAL INFORMATION

- **FIRST (FRST).** All newly admitted freshmen or transfer students with 15 or fewer credits are required to fulfill the University's first-year competency requirement. The requirement may be met by demonstrating competency on the placement tests, or by passing, with a grade of C or better, all FRST courses: FRST 1101 – College Writing, 1002 – Critical Thinking and Reading, and 1103 – Quantitative Reasoning into which students have been placed. Students enrolled in FRST 1100 – Developmental Mathematics must receive a grade of C or better, and then enroll in and receive a grade of C or better in FRST 1103 to demonstrate competency. Full-time students must register for all required FRST courses in their first semester. Depending on time to completion of competency requirements, some students may need additional time for degree completion. *Note-* certain FRST courses also meet the requirements of the General Studies course distribution categories.
- **General Studies.** B.S. students must complete 48 credits of General Studies with the distribution requirement of: 8 GAH, 4 GEN, 4 GIS, 8 GNM, 8 GSS and 16 ASD (At Some Distance). See 2022-2023 Bulletin for more information. B.A. students must complete 64 credits of General Studies with the distribution requirement of: 8 GAH, 4 GEN, 4 GIS, 8 GNM, 8 GSS and 32 ASD (At Some Distance).
- **W1/W2- Writing requirement.** Students are required to complete (C or better) four Writing intensive (WI/W2) courses. One W1 is required in the first year and an additional three W1 or W2 with one in the upper-level division (3000-level or higher). W1/W2 courses can be found in General Studies or Program/cognate courses depending on

This document is not a substitute for academic advisement.

Approved by The Geology Program (February 2022)

major.

- **Q1/Q2- Quantitative Reasoning.** Students are required to complete (D- or Better) three Q1/Q2 courses. One Q1 in the first year and at least one Q2. Q1/Q2 courses may be found in General Studies or Program/cognate course depending on major.
- **R1/R2- Race and Racism.** Students are required to pass one (1) R1 and another R1/R2 course. R1 (C or better), R2 (D or better). R1/R2 courses may be found in General Studies or Program/cognate courses depending on major.
- **Minor program.** Students may select a Minor program of study, in consultation with their preceptor. Minor courses would replace some of the ASD or Program/cognate courses in the Degree Map.
- **Attributes (AHVI/Q, W and R).** A course may fulfill multiple attributes and/or other requirements. Therefore, many attributes can be fulfilled without taking additional courses. Attributes can be taken in any order except for the first-year requirements. Many course choices are available to fulfill an attribute.
- **Transfer students.** Transfer students must take 25% of their remaining credits in General Studies with a GIS course required (The 25% Rule). Depending on transferred courses, individual attribute requirements may be met (AHVI/Q, W and R) but will be evaluated on transfer. For students transferring 64 credits or more, the General Studies course requirement is lowered to 16 credits (i.e. only four G courses are required, but all students must take 4 credits in the GIS category, the other three G courses can be any combination of the G course categories). Up to two W1 and two Q1 courses can be transferred, all W2 and Q2 courses need to be taken at Stockton. Up to one R1 or R2 can be transferred. Consult with an academic advisor for careful guidance.
- **Second degree.** Students with an earned degree will be exempt from all general studies course requirements (i.e. G courses, ASD) and AHVI/Q, W and R attributes.