

Geology A.B. Sample Academic Plan

This is a sample study plan. The information here is provided for your convenience; classes are subject to change. See your [major advisor](#) for help creating a personalized academic plan, including any co-curricular and extra-curricular activities you'd like to plan time for (like getting involved, doing internships or undergraduate research, studying abroad, etc).

Classes in italics must stay in the quarter they're listed, although not always in the year listed.

The following classes are recommended for those who intend to pursue graduate degrees but are not required for the Bachelor of Science degree in Geology: MAT 21D, MAT 22B, PHY 9D

Check online for the full list of [electives](#) and when each major course is offered.

Option 1: Structure coursework first

Year 1											
Fall Quarter			Winter Quarter			Spring Quarter			Summer		
Entry-Level Writing (if needed)	0-6	U	MAT 16B or 17B or 21B: Calculus	3-4	MA	GEL 50: Physical Geology	3	MA			
Preparatory math or MAT 16A or 17A or 21A: Calculus	0-4	MA	CHE 2B: Chemistry	5	MA	GEL 50L: Physical Geology Lab	2	MA			
Preparatory Chemistry or CHE 2A: Chemistry	0-5	MA	General Education	3+	GE	Lower Division College English	4	C			
Foreign Language	0-5	C	Foreign Language	0-5	C	Foreign Language	0-5	C			
First-Year Seminar	1-2	E									
Total units:	12-15		Total units:	12+		Total units:	12+				
Year 2											
Fall Quarter			Winter Quarter			Spring Quarter			Summer		
<i>Geology 55: Geochemistry</i>	3	MA	PHY 7A or 9A: Physics	4-5	MA	PHY 7B or 9B: Physics	4-5	MA			
General Education	3+	GE	<i>GEL 53: Geobiology</i>	3	MA	STA 13 or 32 or 100: Statistics	4	MA			
General Education	3+	GE	General Education	3+	GE	General Education	3+	GE			
Total units:	12+		Total units:	12+		Total units:	12+				
Year 3: Structure coursework											
Fall Quarter			Winter Quarter			Spring Quarter			Summer		
<i>GEL 60: Earth Materials</i>	4	MA	<i>GEL 101: Structural Geology</i>	3	MA	<i>GEL 103: Spring Field</i>	4	MA			
<i>GEL 109: Sediments & Strata</i>	3	MA	<i>GEL 101L: Structural Geology Lab</i>	2	MA	UWP 101 or 102 or 104 or UDCE	4	C			
<i>GEL 109: Sediments & Strata Lab</i>	2	MA	Upper division Geology elective	3	MA	General Education	3+	GE			
Upper division units	4	C/E	Upper division units	4	C/E	Upper division units	4	C/E			
Total units:	12+		Total units:	12+		Total units:	12+				

Year 4: Petrology coursework											
Fall Quarter			Winter Quarter			Spring Quarter			Summer		
GEL 107: Paleobiology	3	MA	Upper division Geology elective	3	MA	<i>GEL 108: Paleoclimates</i>	3	MA			
GEL 107L: Paleobiology Lab	2	MA	Upper division Geology elective	3	MA	Upper division Geology elective	2	MA			
Upper division Geology elective	3	MA	Upper division units	4	C/E	General Education	3+	GE			
General Education	3+	GE	Upper division units	4	C/E	Upper division units	0-8	C/E			
Total units:	12+		Total units:	12+		Total units:	12+				
Total graduation units: 180 (64 upper division)											

U: [University Req](#) GE: [General Education](#) C: [College Requirement](#) MA: [Major](#) MI: Minor PR: Prerequisite E: Elective

Option 2: Petrology coursework first

Year 1											
Fall Quarter			Winter Quarter			Spring Quarter			Summer		
Entry-Level Writing (if needed)	0-6	U	MAT 16B or 17B or 21B: Calculus	3-4	MA	GEL 50: Physical Geology	3	MA			
Preparatory math or MAT 16A or 17A or 21A: Calculus	0-4	MA	CHE 2B: Chemistry	5	MA	GEL 50L: Physical Geology Lab	2	MA			
Preparatory Chemistry or CHE 2A: Chemistry	0-5	MA	General Education	3+	GE	Lower Division College English	4	C			
Foreign Language	0-5	C	Foreign Language	0-5	C	Foreign Language	0-5	C			
First-Year Seminar	1-2	E									
Total units:	12-15		Total units:	12+		Total units:	12+				
Year 2											
Fall Quarter			Winter Quarter			Spring Quarter			Summer		
<i>Geology 55: Geochemistry</i>	3	MA	PHY 7A or 9A: Physics	4-5	MA	PHY 7B or 9B: Physics	4-5	MA			
General Education	3+	GE	<i>GEL 53: Geobiology</i>	3	MA	STA 13 or 32 or 100: Statistics	4	MA			
General Education	3+	GE	General Education	3+	GE	General Education	3+	GE			
Total units:	12+		Total units:	12+		Total units:	12+				

Year 3: Structure coursework											
Fall Quarter			Winter Quarter			Spring Quarter			Summer		
<i>GEL 60: Earth Materials</i>	4	MA	Upper division Geology elective	3	MA	<i>GEL 108: Paleoclimates</i>	3	MA			
<i>GEL 109: Sediments & Strata</i>	3	MA	Upper division Geology elective	3	MA	Upper division Geology elective	2	MA			
<i>GEL 109: Sediments & Strata Lab</i>	2	MA	Upper division units	4	C/E	UWP 101 or 102 or 104 or UDCE	4	C			
Upper division units	4	C/E	Upper division units	4	C/E	General Education	3+	GE			
Total units:	12+		Total units:	12+		Total units:	12+				
Year 4: Petrology coursework											
Fall Quarter			Winter Quarter			Spring Quarter			Summer		
GEL 107: Paleobiology	3	MA	<i>GEL 101: Structural Geology</i>	3	MA	<i>GEL 103: Spring Field</i>	4	MA			
GEL 107L: Paleobiology Lab	2	MA	<i>GEL 101L: Structural Geology Lab</i>	2	MA	General Education	3+	GE			
Upper division Geology elective	3	MA	Upper division Geology elective	3	MA	Upper division units	4	C/E			
General Education	3+	GE	Upper division units	4	C/E	Upper division units	0-8	C/E			
Total units:	12+		Total units:	12+		Total units:	12+				
Total graduation units: 180 (64 upper division)											

U: [University Req](#) GE: [General Education](#) C: [College Requirement](#) MA: [Major](#) MI: Minor PR: Prerequisite E: Elective