

Geology Major Study Plan: Option 1

Summer Field Geology after Junior Year

The information here is provided for your convenience; classes are subject to change. Please speak with a [Geology major adviser](#) for the latest information on a geology major study plan. These are just major classes, so be sure to check MyDegree.ucdavis.edu for any additional degree requirements, including General Education and your College English Composition Requirement (UWP 104E is recommended).

Classes in italics must stay in the quarter they're listed.

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

Academic Year	Fall Quarter	Winter Quarter	Spring Quarter	Summer
Freshman	Math 21A: Calculus (4) Chemistry 2A: General Chemistry (5) Total: 9 units	Math 21B: Calculus (4) Chemistry 2B: General Chemistry (5) Geology 50: Physical Geology (3) Geology 50L: Physical Geology Lab (2) Total: 14 units	Math 21C: Calculus (4) Chemistry 2C or GEL 132 or HYD 134 (3-6) Total: 7-10 units	
Sophomore	Math 21D: Vector Analysis (4) Physics 7A or 9A: Physics (4-5) Total: 12-13 units	Math 22A: Linear Algebra (3) Physics 7B or 9B: Physics (4-5) <i>Geology 3: History of Life (3)</i> <i>Geology 3L: History of Life Lab (1)</i> Total: 11-12 units	Physics 7C or 9C: Physics (4-5) Geology 107: Paleobiology (3) Geology 107L: Paleobiology Lab (2) Total: 9-10 units	
Junior <i>Structure series</i>	<i>Geology 60: Earth Materials (4)</i> Statistics 32 or 100 (4) Upper Division Geology Elective (3) Total: 9 units	<i>Geology 101: Structural Geology (3)</i> <i>Geology 101L: Structural Geology Lab (2)</i> Upper Division Geology Elective (3) Total: 7 units	<i>Geology 103: Field Geology (3)</i> <i>Geology 109: Sediments and Strata (2)</i> <i>Geology 109L: Sediments and Strata Lab (2)</i> Total: 7 units	<i>Geology 110: Summer Field Geology (8)</i> Total: 8 units
Senior <i>Petrology series</i>	<i>Geology 62: Optical Mineralogy (2)</i> Upper Division Geology Elective (4) Total: 6 units	<i>Geology 105: Igneous Rocks (4)</i> Upper Division Geology Elective (3) Upper Division Geology Elective (3) Total: 10 units	<i>Geology 106: Metamorphic Rocks (4)</i> <i>Geology 108: Paleoclimates (3)</i> Total: 7 units	

Geology Major Study Plan: Option 2

Summer Field Geology after Senior Year

The information here is provided for your convenience; classes are subject to change. Please speak with a [Geology major adviser](#) for the latest information on a geology major study plan. These are just major classes, so be sure to check MyDegree.ucdavis.edu for any additional degree requirements, including General Education and your College English Composition Requirement (UWP 104E is recommended).

Classes in italics must stay in the quarter they're listed.

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

Academic Year	Fall Quarter	Winter Quarter	Spring Quarter	Summer
Freshman	Math 21A: Calculus (4) Chemistry 2A: General Chemistry (5) Total: 9 units	Math 21B: Calculus (4) Chemistry 2B: General Chemistry (5) Geology 50: Physical Geology (3) Geology 50L: Physical Geology Lab (2) Total: 14 units	Math 21C: Calculus (4) Chemistry 2C or GEL 132 or HYD 134 (3-6) Total: 7-10 units	
Sophomore	Math 21D: Vector Analysis (4) Physics 7A or 9A: Physics (4-5) Total: 8-9 units	Math 22A: Linear Algebra (3) Physics 7B or 9B: Physics (4-5) <i>Geology 3: History of Life (3)</i> <i>Geology 3L: History of Life Lab (1)</i> Total: 11-12 units	Physics 7C or 9C: Physics (4-5) Geology 107: Paleobiology (3) Geology 107L: Paleobiology Lab (2) Total: 9-10 units	
Junior <i>Petrology series</i>	<i>Geology 60: Earth Materials (4)</i> <i>Geology 62: Optical Mineralogy (2)</i> Statistics 32 or 100 (4) Total: 10 units	<i>Geology 105: Igneous Rocks (4)</i> Upper Division Geology Elective (3) Upper Division Geology Elective (3) Total: 10 units	<i>Geology 106: Metamorphic Rocks (4)</i> <i>Geology 108: Paleoclimates (3)</i> Total: 7 units	
Senior <i>Structure series</i>	Upper Division Geology Elective (4) Upper Division Geology Elective (3) Total: 7 units	<i>Geology 101: Structural Geology (3)</i> <i>Geology 101L: Structural Geology Lab (2)</i> Upper Division Geology Elective (3) Total: 8 units	<i>Geology 103: Field Geology (3)</i> <i>Geology 109: Sediments and Strata (2)</i> <i>Geology 109L: Sediments and Strata Lab (2)</i> Total: 7 units	<i>Geology 110: Summer Field Geology (8)</i> Total: 8 units