

AS-T Geology (Transfer Pathway)

Geology is the study of the earth. Areas of study include but are not limited to: volcanoes; earthquakes and seismology; the Geologic Time Scale and the formation of the earth; petrology (rocks) and minerals; hydrology; erosion; oceanography, including beach systems; environmental geology; glaciers and Ice Ages; groundwater; and deserts. The Las Positas College Geology Program features lectures and laboratories for both Geology majors and non-science majors. Lectures and accompanying laboratory courses are offered separately to accommodate students' schedules. For students interested in pursuing a four-year degree in Geology, the first two years of a Geology degree generally consist of: Physical Geology 1 (lecture and laboratory); Historical Geology 3 (lecture and laboratory); and Physics, Chemistry, Mathematics, and general breadth requirements. Mineralogy/Earth Materials is also a required lower-division Geology course at some four-year schools. Geology is an applied science. The last two years of the typical four-year geology program focus on geology courses that apply scientific concepts and principles that the student learned in the first two years. All potential geology majors should see a counselor to develop a comprehensive Student Educational Plan (SEP).

SEMESTER 1 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
GEOL 1 (Physical Geology)	3		Fall & Spring
GEOL1L (Physical Geology Lab)	1	Geology 1 or 5 or 7 (maybe taken concurrently)	Fall & Spring
MATH 39 (Trigonometry) <i>Not UC Transferable</i>	4	Math 55 or 55B or 55Y (Pre-Requisite)	Fall, Spring & Summer
ENG 1A (Critical Reading and Composition)	3	ENG 104 or ENG 105 with a "Pass" or ESL 25 or equiv course or appropriate skill level demonstrated through the Eng assessment process (Pre-Requisite)	Fall, Spring & Summer
IGETC GE - Area 3A (Arts)	3		Fall, Spring & Summer
SEMESTER TOTAL	14		

SEMESTER 2 - SPRING

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
MATH 20 (Pre-Calculus Mathematics)	5	MATH 39 (Pre-Requisite)	Fall, Spring & Summer
CHEM 31 (Introduction to College Chemistry)	4	Math 55 or 55B or 55Y (Pre-Requisite)	Fall, Spring & Summer
ENG 4 (Critical Thinking and Writing about Literature) OR ENG 7 (Critical Thinking and Writing)	3	ENG 1A (Pre-Requisite)	Fall, Spring, & Summer
SEMESTER TOTAL	12		

SEMESTER 3 - SUMMER

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
SPCH 1 (Fundamental of Public Speaking)	3	Eligibility for ENG 1A (Strongly Recommended)	Fall, Spring & Summer
SEMESTER TOTAL	3		

SEMESTER 4 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
GEOL 3 (Historical Geology)	3	Geology 1 or 5 or 7 completed with a "C" or higher	Every other Fall
GEOL 3L (Historical Geology Lab)	1	Geology 3 (maybe taken concurrently)	Every other Fall
MATH 1 (Calculus I)	5	MATH 20 (Pre-Requisite)	Fall, Spring & Summer
CHEM 1A (General College Chemistry I)	5	MATH 55 or 55B or 55Y and CHEM 31. The CHEM 31 prerequisite can be fulfilled by demonstrating the appropriate skill level in the CHEM Placement Process (Pre-Requisite)	Fall, Spring & Summer
SEMESTER TOTAL	14		

SEMESTER 5 - SPRING

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
MATH 2 (Calculus II)	5	MATH 1 (Pre-Requisite)	Fall, Spring & Summer
CHEM 1B (General College Chemistry II)	5	CHEM 1A (Pre-Requisite)	Fall, Spring & Summer
IGETC GE - Area 4 (Social and Behavioral Science) <i>POLI 7 Strongly Recommended for students seeking transfer</i>	3		Fall, Spring & Summer
SEMESTER TOTAL	13		

SEMESTER 6 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
IGETC GE - Area 4 (Social and Behavioral Science)	3		Fall, Spring & Summer
IGETC GE - Area 5B (Biological Science)	3		Fall, Spring & Summer
IGETC GE - Area 3B (Humanities) <i>HIST 7 or HIST 8 Strongly Recommended for students seeking transfer</i>	3		Fall, Spring & Summer
IGETC GE - Area 4 (Social and Behavioral Science)	3		Fall, Spring & Summer
IGETC GE - Area 3 (Arts OR Humanities)	3		Fall, Spring & Summer
SEMESTER TOTAL	15		
Total Major Coursework	28		
Total Units Required (Minimum)	60		

Plan above follows the IGETC GE Pattern (for CSU) - students are eligible to use the CSU GE Pattern in lieu of the IGETC for CSU. For the IGETC for UC Pattern, students must have the Language other than English (LOTE- Area 6 IGETC) requirement fulfilled. If following the CSU GE Pattern, students must complete Area E.

**POTENTIAL TRANSFER INSTITUTIONS BASED ON PLAN (PLEASE REFER TO
WWW.ADEGREEWITHAGUARANTEE.COM AND ASSIST.ORG FOR FINAL VERIFICATION OF
COURSEWORK):**

Chico State (General BS),
CSU Dominguez Hills (General BS),
CSU East Bay (General BA)
CSU Fullerton (Earth Sciences - General BA, General BS),
Humboldt State (BA)
CSU Long Beach (Earth Science - General BS, General BS),
CSU Los Angeles (Environmental Geoscience BS, General BS),
CSU Northridge (General BS),
CSU Sacramento (Earth Science BA, General Geology BA, General BS),
CSU San Bernardino (General BA, General BS),
San Diego State (Applied Arts BA),
San Francisco State (Earth Sciences - General BA, Earth Sciences - General BS),
San Jose State (Earth Science BA, Liberal Arts BA),
Sonoma State (Earth Science - General BA)
CSU Stanislaus (Applied Geology BS, Geology General BS)

This plan is not appropriate for students seeking transfer in GEOLOGY to a UC Campus. Please refer to ASSIST.org for more information

Last Updated: 12/15/16