

Geology AS-T (IGETC GE Track)

+If you have completed coursework at another college and/or are starting in a semester other than a Fall term, please follow up with the Counseling Department to determine if this sequence is appropriate for your academic and career goals.

Program Description: Geology is the science that studies the earth, the earth's formation, composition, and the processes that create resources. The Geology program provides insight, perspective, and application required to assist citizens in making well-informed decisions concerning earth-related issues such as water, resources, building and engineering, natural disasters, agriculture and ocean resources, and the long-term effects on our planet from an increasing population. [The Student Transfer Achievement Reform Act \(SB 1440\)](#)

Program SLO: Synthesize information from a variety of sources and disciplines in order to solve geologic problems.

Important Transfer Information: The sequence listed below, may not meet all your transfer admissions requirements. Connect with a counselor to develop an individual student education plan through the Counseling Department @ <https://www.canyons.edu/counseling> or (661) 362-3288/(661) 362-3811.

Major courses are sequenced and **BOLDED** based on recommendations by the [Geology Department](#).

First Semester (0-16 units minimum) FA = Fall; WI = Winter; SP = Spring; SU = Summer

Course	Title	Units	Major and GE Courses
GEOLOGY 101	Physical Geology with Lab (FA, WI, SP, SU)	4	Major and Area 5A and 5C
*Math 211	Calculus I (FA, SP, SU)	5	Major and Area 2
English 101/101H	English Composition (FA, WI, SP, SU)	4	Area 1A
Arts Course	Choose one course from IGETC Area 3A (FA, WI, SP, SU)	3	Area 3A
Term Totals:		16	

**Speak with a counselor regarding your math placement results. If you did not place into Math 211 – Calculus I, you will need to satisfy the appropriate pre-requisite courses. Refer to the [Math Placement Chart](#) for sequencing.*

Check the [Honors website](#) for most recent course offerings. Must be enrolled in the Honors program to take courses.

Interession I (17- 19 units minimum)

Course	Title	Units	Major and GE Courses
American Institutions – Choose Option I or II	Complete first course in chosen option (note: must take both classes within one option) (FA, WI, SP, SU) – see table below	3	American Institutions and Area 3B
Term Totals:		3	

Second Semester (20-35) units minimum)

Course	Title	Units	Major and GE Courses
GEOLOGY 102	Historical Geology (FA, SP)	4	Major
Math 212	Calculus II (FA, SP, SU)	5	Major
**CHEM 151	Introduction to General Chemistry (FA, WI, SP, SU)	4	Prerequisite for CHEM 201
Critical Thinking	Choose one course from the IGETC Area 1B (FA, WI, SP, SU)	3	Area 1B
Term Totals:		16	

****NOTE:** CHEM 151 is a pre-requisite for CHEM 201. Students may take the [Chemistry Diagnostic Test](#) to place directly into CHEM 201. Speak with a counselor for more information.

Interession II (36- 38 units minimum)

Course	Title	Units	Major and GE Courses
Biological Science <i>Department Recommends ANTHRO 101, BIOSCI 106 or GEOLOGY 103</i>	Choose one course from IGETC 5B (FA, WI, SP, SU) – <i>Department recommends Physical Anthropology, Organismal and Environmental Biology or Dinosaurs</i>	3-4	Area 5B
Term Totals:		3-4	

Third Semester (39-52 units minimum)

Course	Title	Units	Major and GE Courses
CHEM 201/201H	General Chemistry I (FA, WI, SP, SU)	5	Major Course
Social Science Course	Choose one course from IGETC Area 4 (FA, WI, SP, SU)	3	Area 4
COMS 105/105H	Fundamentals of Public Speaking (FA, WI, SP, SU)	3	Area 1C
Arts or Humanities	Choose any course under IGETC Area 3A or 3B (FA, WI, SP, SU)	3	Area 3A or 3B
Term Totals:		14	

Fourth Semester (53-66 units minimum)

Course	Title	Units	Major and GE Courses
Chemistry 202	General Chemistry II (FA, SP, SU)	5	Major Course
Social Science Course – <i>Department Recommends GEOGRPH 104</i>	Choose one course from IGETC Area 4 (FA, WI, SP, SU)- <i>Department Recommends World Regional Geography (FA, SP)</i>	3	Area 4
American Institutions	Complete second course in chosen option (note: must take both classes within one option) (FA, WI, SP, SU) – <i>see table below</i>	3	American Institutions and Area 4
++UC Elective (Consider a Foreign Language)	Choose any course that is UC transferable (FA, WI, SP, SU)	3 - 5	Elective (<i>Have you met the UC Foreign Language Requirement?</i>)
Term Totals		14-16	

++ Foreign Language is required as part of the IGETC transfer general education breadth. This is a UC requirement. Please see the Counseling Office for additional information.

Total Units: 66+

***Physics 110&111 or Physics 220** are often required by transfer institutions. Please meet with a counselor and contact your transfer institution for further information.

American Institutions Requirement – Select one of the options below and complete a total of 6 units

Option 1	One course from the following: Economics 170/170H, History 111/111H, History 112/112H, History 120/120H, or History 130 AND Political Science 150/150H
Option 2	History 111/111H AND History 112/112H

Counselor Notes This sequence may not meet transfer admissions requirements. Additional courses for transfer general education may be needed, as well as courses for a transfer major. Please follow up with the Counseling Department for additional information @ <https://www.canyons.edu/counseling>.

Counseling Resources

Geology Department: www.canyons.edu/earthsciences

Counseling Department: <https://www.canyons.edu/studentservices/counseling/>

UC/IGETC GE Breadth: <https://www.canyons.edu/studentservices/counseling/transfer/index.php>

University of California: www.universityofcalifornia.edu

CSU/UC Articulation Agreements: www.assist.org

A Degree with a Guarantee: <http://adegreewithaguarantee.com/>

COC Honors Program: <https://www.canyons.edu/academics/honors/index.php>

Math Engineering Science Achievement (MESA): <https://www.canyons.edu/academics/mesa/index.php>

Campus Alliances: <https://www.canyons.edu/administration/ie2/equity/alliances.php>

Updated 3/18/2021

Petition for Associate Degree: Check the [student calendar](#) for term-specific submission deadlines. Summer graduation associate degree petitions are due by April 1st for your name to appear in the spring commencement pamphlet. The petition form must be reviewed with a counselor and may be found here:

https://www.canyons.edu/_resources/documents/student-services/admissions/Petition_for_Associate_Degree_and_Certificate_of_Achievement.pdf

Career Resources

California Career Zone: www.cacareerzone.org

O*Net Online: www.onetonline.org

Bureau of Labor and Statistics: www.bls.gov