



GEOLOGY

Transfer Requirements

The following requirements for the major are subject to change without notice. To assure accuracy of the information on this sheet, you should consult with a Geology Counselor or Articulation Officer, or review articulation agreements via the Internet at WWW.ASSIST.ORG

CAREER OPPORTUNITIES: Geological careers relate to the natural environment, earth resources, land use, pollution and other areas of critical importance to present and future world problems. About half of all geologists and geophysicists are employed by the petroleum industry. Their work usually involves exploration for new sources of oil and natural gas. In the mining industry, geologists have responsibilities for mining engineering and mineral economics. Government employs geologists for basic research, geological mapping, mineral resources studies, water supply investigation and highway studies. Geologists help develop adequate water supplies, waste disposal methods, and programs for land use and reclamation. Geologists evaluate environmental hazards in earthquake and landslide-prone states. A master's degree is generally required.

ASSOCIATE DEGREE FOR TRANSFER (AS-T)

Students who have completed the AS-T in Geology will have a strong academic foundation in the field and will be prepared for upper division baccalaureate study at the university. This coursework will satisfy most of the lower-division requirements at many institutions within the California State University system. This degree is intended for students who majoring in Geology and may provide priority consideration for admission to a CSU.

Students considering transferring to a UC, private, or out of state university: Please consult with a counselor before applying to transfer since transfer requirements may be slightly different than those required for the AS-T.

Required courses: Geology 1, 2, 3, 4; Chemistry 1A, 1B; Math 190, 191

Total Units 28

CALIFORNIA STATE UNIVERSITY, FULLERTON (2022-2023)

BS Geology: Geology 1, 3; Geology 2, 4; Chemistry 1A, 1B; Biology 10; Math 190, 191; Physics 3A, 3B or Physics 2A, 2B or Physics 1A, 1B, 1C, 1D; one course from Anatomy 30 or Math 220 or 270

CALIFORNIA STATE UNIVERSITY, LONG BEACH (2023-2024)

BS Geology: Geology 1 and 3; Complete three of the following courses: Chemistry 1A, Chemistry 1B, Math 190, Math 191; Geology 2 and 4; Physics 1A, 1B, 1C or Physics 2A and 2B or Physics 3A and 3B

BS Earth Science: Geology 1, 3; Chemistry 1A; Math 190, 191; Geology 2 and 4; Chemistry 1B; Physics 2A or Physics 3A; Bio 120 or Bio 8 and Bio 11; Math 150

NOTE: Major specific admissions requirements, please visit: <https://www.csulb.edu/admissions/transfer-admission-eligibility>

CALIFORNIA STATE UNIVERSITY, LOS ANGELES (2023-2024)

BS Geology, Option in Geology: Chemistry 1A, 1B; Geography 2; Geology 1, 2, 3, 4; Math 190, 191; Physics 1A, 1C

BS Geology, Option in Environmental Geoscience: Chemistry 1A, 1B; Geology 1, 2, 3, 4; Math 190, 191; Biology 120, 110 or Physics 2A, 2B or 3A

NOTE: Major specific admissions requirements, please visit: <https://www.calstatela.edu/admissions/major-specific-criteria>

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE (2023-2024)

BS Geology: Geology 1 and 3 or 2 and 4 or Oceanography 10; Chemistry 1A; Physics 1A; Math 190 and 191 or Math 190 and Math 150

Options in Geophysics: Geology 1 and 3 or 2 and 4 or Oceanography 10; Chemistry 1A; Computer Science 1; Math 190, 191, 220, 270; Physics 1A, 1C, 1D

CAL POLY POMONA (2023-2024)

BS Geology: Biology 10 or 10H; Chemistry 1A, 1B; Geology 1, 3 and Geology 2, 4; Physics 2A, 2B or 3A, 3B or 1A, 1C; Math 190, 191

SAN DIEGO STATE UNIVERSITY (2023-2024)

BS Geological Sciences Emphasis in Geology. Chemistry 1A, 1B; Math 190, 191; Physics 1A, 1C; Geology 2, 4; Oceanography 10 or 10H OR Geology 1 and 3 OR Geology 3 and 6 OR Geo 3 and Biol 15 or Geol 7; Biology 10 or 10H OR Biology 101 and Biology 102

Emphases: Engineering Geology: Geology 2,4; Chemistry 1A; Math 190, 191, 220; Phys 1A, 1C, 1B, 1D; Engineering 9; Oceanography 10 or 10H OR Geology 1 and 3 OR Geology 3 and 6 OR Geology 3 and Biol 15 or Geol 7

Geophysics: Chemistry 1A; Math 190, 191, 220; Physics 1A, 1C, 1B, 1D; Oceanography 10 or 10H OR Geology 1 and 3 OR Geology 3 and 6 OR Geology 3 and Bio 15 or Geol 7

Hydrogeology: Geology 2, 4; Chemistry 1A, 1B; Math 190, 191, 220; Physics 1A, 1C;

Oceanography 10 or 10H OR Geology 1 and 3 OR Geology 3 and 6 OR Geology 3 and Bio 15 or Geol 7

Paleontology: Geology 2, 4; Biology 101, 102; Chemistry 1A, 1B; Math 190; Physics 1A; Geology 1 and 3 OR Geology 3 and 6 OR Geology 3 and Bio 15 or Geol 7

Environmental Geosciences: Chemistry 1A, 1B; Math 190; Biology 10 or 10H OR Biology 101 and 102; Chemistry 7A; Phys 1A, 1C; Oceanography 10 or 10H OR Geology 1 and 3 OR Geology 3 and 6 OR Geology 3 and Bio 15 or Geol 7

UNIVERSITY OF CALIFORNIA, DAVIS (2023-2024)

AB Geology: Chemistry 1A, 1B; Geology 1, 3; Math 165 or 190 or 191 and 191; Physics 2A and 2B OR Physics 3A and 3B or Physics 1A, 1B, 1D; Math 150 or 150H or Psych 109A or Soc 109A

BS Geology: Chemistry 1A, 1B; Geology 1, 3; Math 165 or Math 190 and 191 and 270; Math 150 or 150H or Psych 109A or Sociology 109A; Physics 2A and 2B OR Physics 3A and 3B or Physics 1A, 1B, 1D

NOTE: Selective major requirements, please visit:

<https://www.ucdavis.edu/admissions/undergraduate/transfer/selective-major-requirements>

UNIVERSITY OF CALIFORNIA, LOS ANGELES (2023-2024)

BS Geology: Geology 1, 3 or Ocea 10; Chemistry 1A, 1B; Biology 110, 120; Math 165 or Math 190 and 191 and 220; Physics 1A,1C

BS Geophysics: Math 190, 191, 220, 270; Physics 1A, 1C, 1D; Geology and Geology 3 OR Ocean 10

BS Engineering Geology: Geology 1, 3, Chemistry 1A, 1B; Computer Science 17; Math 190, 191, 220, 270; Physics 1A, 1C, 1D

NOTE: UCLA Transfer Admission Guide: http://www.admission.ucla.edu/Prospect/Adm_tr/tradms.htm

UNIVERSITY OF CALIFORNIA, RIVERSIDE (2023-2024)

BS Geology or BS Geophysics: Math 190, 191, 270; (One sequence from the following) Biology 101 and 102, Chem 1A and 1B, Physics 1A and 1B or 3A and 3B

*Note: IGETC is not accepted for majors in the College of Natural and Agricultural Sciences. Courses taken for IGETC will be applied to the College's Breadth pattern as appropriate. Transfer students who wish to supplement their math and science preparation with humanities or social science courses are encouraged to follow the College of Natural and Agricultural Sciences breadth pattern as outlined under ASSIST major titled "GE Breadth: College of Natural and Agricultural Sciences"

*Note: Effective Fall 2024 transfer students must complete all Chemistry lab courses in-person to receive articulation to UCR's equivalent Chemistry lab courses. Completing Chemistry lab courses online will not impact your ability to transfer. Transfer students who complete Chemistry lab courses online will be required to retake the lab courses at UCR.

NOTE: Major specific admissions requirements, please visit: <https://admissions.ucr.edu/transfer/majors-preparation-guide/majors-preparation-guide2019-20>

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

BS Earth Science, Geology Emphasis: Geology 1 and 3, Geology 2 and 4, Geology 30 or 32 or 34 or 36; Chem 1A and 1B; Math 190, 191, 270; Physics 1A, 1B, 1C, 1D OR Physics 3A, 3B OR Physics 2A, 2B; (Recommended) Math 220, Math 150 or 150H, Computer Science 17

BS Earth Science, Geophysics Emphasis: Math 190, 191, 220, 270; Chemistry 1A, 1B; Geology 1, 3; (Select 1 course from the following) Geology 2 and 4, Oceanography 10 or 10H, Geology 15; Physics 1A, 1B, 1C, 1D; Computer Science 1 or 14

BS Earth Science, Geohydrology Emphasis: Geology 1 and 3, Geology 2 and 4 OR Oceanography 10 or 10H, Geology 30 or 32 or 34 or 36; Chem 1A and 1B; Math 190, 191, 270; Physics 1A, 1B, 1C, 1D or Physics 3A, 3B or Physics 2A, 2B; (Recommended) Math 220; Computer Science 17 or 14 or 1; Math 150 or 150H