

# CERRITOS COLLEGE

## GEOLOGY

### Transfer Preparation

**IMPORTANT NOTICE:** The requirements listed for the major are subject to change without notice. It is the student's responsibility to check for the most recent information with a Cerritos College counselor or by consulting ASSIST at [www.assist.org](http://www.assist.org). **Note:** Courses listed may require prerequisite coursework.

#### LOWER DIVISION MAJOR REQUIREMENTS FOR SPECIFIC TRANSFER INSTITUTIONS

##### California State University – Dominguez Hills (B.S.-Earth Science)

GEOL	102	Physical Geology Lecture	3
<b>or</b>	GEOG	101	Physical Geography (3)
GEOL	102L	Physical Geology Laboratory	1
GEOL	201	Earth History	4
MATH	112	Elementary Statistics	4
<b>and</b>	MATH	116	Calculated for Managerial, Biological and Social Sciences 4
<b>or</b>	MATH	170	Analytical Geometry and Calculus I (4)
MATH	190	Analytical Geometry and Calculus II	4

Select a chemistry, physics or biology sequence:

CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
<b>or</b>	PHYS	101	General Physics (4)
PHYS	102	General Physics	4
<b>or</b>	BIOL	200	Principles of Biology (5)
BIOL	201	Principle of Biology	5

**Articulation is approved as a sequence only.**

##### California State University – Fullerton (Geology)

GEOL	101	Physical Geology	4
<b>or</b>	GEOL	102L	Physical Geology Lecture (3)
<b>and</b>	GEOL	102L	Physical Geology Laboratory 4
GEOL	201	Earth History	4

##### Related Fields (30 units minimum)

At least one of the related field's tracks must include a second-semester lab course.

BIOL	120	Introduction to Biological Sciences	4
CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
MATH	170	Analytical Geometry and Calculus I	4
MATH	190	Analytical Geometry and Calculus II	4
PHYS	201	Engineering Physics	4

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#### California State University – Fullerton (cont.)

PHYS	202	Engineering Physics	4
<b>or</b> PHYS	101	General Physics	(4)
<b>and</b> PHYS	102	General Physics	4

**One** additional course (with approval of CSUF advisor);

#### Lower Division Selection

AP	120	Introduction to Human Anatomy and Physiology	4
MATH	225	Calculus III	5
MATH	250	Linear Algebra and Differential Equations	5
PHYS	203	Engineering Physics	4

#### California State University – Long Beach

CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
GEOL	101	Physical Geology	4
<b>or</b> ESCI	110	Introduction to Earth Science	(4)
GEOL	201	Earth History	4
MATH	170	Analytical Geometry and Calculus I	4
MATH	190	Analytical Geometry and Calculus II	4
PHYS	201	Engineering Physics	4
PHYS	202	Engineering Physics	4
<b>or</b> PHYS	101	General Physics	(4)
PHYS	102	General Physics	4

This CSULB major has “major-specific admission requirements” which means that CSULB will require the specified courses to be completed for admission if a student is not completing an AAT or AST degree deemed “similar” by CSULB. **These criteria will be used for Fall, 2020 and Spring 2021 admission consideration. Admission criteria are subject to change for future admission cycles.** If a major is highly impacted, it will be noted in the description of each major and additional supplemental criteria and requirements are indicated in the major specific details. See your counselor for more information. Here is the link:

[www.csulb.edu/admissions/fall-2019-major-specific-requirements-transfer-students](http://www.csulb.edu/admissions/fall-2019-major-specific-requirements-transfer-students).

#### California State University – Los Angeles

Two options available: Geology and Environmental Geosciences

#### Geology Option:

Lower Division Required Courses

CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
GEOG	102	Cultural Geography	3

***Cerritos College – Geology – Revised Spring 2020***  
***11110 Alondra Blvd., Norwalk, CA 90650***

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#### California State University – Los Angeles (cont.)

GEOL	101	Physical Geology	4
GEOL	201	Earth History	4
MATH	170	Analytical Geometry and Calculus I	4
MATH	190	Analytical Geometry and Calculus II	4
PHYS	101	General Physics	4
PHYS	102	General Physics	4

#### Environmental Geosciences Option:

Lower Division Required Foundation Courses

BIOL	200	Principles of Biology	5
BIOL	201	Principle of Biology	5
<b>or</b> PHYS	101	General Physics	(4)
<b>and</b> PHYS	102	General Physics	4
GEOG	102	Cultural Geography	3
GEOL	101	Physical Geology	4
GEOL	201	Earth History	4
CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
MATH	170	Analytical Geometry and Calculus I	4
MATH	190	Analytical Geometry and Calculus II	4

#### California State University – Polytechnic-Pomona

Three emphases: Geology, Geophysics/Earth Exploration, and Environmental Resources.

BIOL	120	Introduction to Biological Sciences	4
CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
GEOL	101	Physical Geology	4
<b>or</b> GEOG	102	Cultural Geography	(3)
GEOL	102L	Physical Geology Lab	4
GEOL	201	Earth History	4
MATH	170	Analytical Geometry and Calculus I	4
MATH	190	Analytical Geometry and Calculus II	4
PHYS	101	General Physics	(4)
PHYS	102	General Physics	4
<b>or</b> PHYS	201	Engineering Physics	(4)
PHYS	202	Engineering Physics	4

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## GEOLOGY

### Transfer Preparation

#### California State University – Polytechnic-Pomona (cont.)

#### COMMON LOWER DIVISION PREPARATION FOR THE UNIVERSITY OF CALIFORNIA

CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
MATH	170	Analytical Geometry and Calculus I	4
MATH	190	Analytical Geometry and Calculus II	4

#### University of California – Los Angeles (B.S. in Geology Engineering Geology and Geophysics) Geology:

BIOL	200	Principles of Biology	5
MATH	225	Calculus III	5

#### Additional Courses:

##### Engineering Geology:

MATH	225	Calculus III	5
MATH	250	Linear Algebra and Differential Equations	5
PHYS	201	Engineering Physics	4
PHYS	202	Engineering Physics	4
PHYS	203	Engineering Physics	4

#### University of California – Riverside (B.S. in Geology and Geophysics)

BIOL	200	Principles of Biology	5
<b>and</b> BIOL	201	Principle of Biology	5
<b>or</b>			
BIOL	201	Principle of Biology	(5)
<b>and</b> BOT	120	Introduction to Plant Sciences	(4)
<b>and</b> ZOOL	120	Introduction to Animal Sciences	(4)
CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
MATH	225	Calculus III	5
MATH	250	Linear Algebra and Differential Equations	5
PHYS	201	Engineering Physics	4
PHYS	202	Engineering Physics	4

Transfer students must complete the following in order to meet selection criteria for this major with grades of “C” or better: MATH 170, and MATH 190 and at least one sequence from CHEM 111 and 112, PHYS 201 and 202, MATH 225 and 250, BIOL 200 and 201 **or** BIOL 201, BOT 120 and ZOOL 120.

#### CAREER OPPORTUNITIES:

After transfer to a four-year college or university and completion of the Bachelor’s Degree program, graduates qualify for graduate study and for professional careers in government or industry and teaching. See State University General Education List.