

BACHELOR OF SCIENCE IN GEOLOGY (IMPACTED)

Major Requirements Worksheet

2013-2014 Catalog

Name: _____

Student ID: _____

Note: This checklist is not intended to replace advising from the major department. Students should consult with the major advisor to determine the appropriate sequence of courses. This checklist is to inform students of major requirements and course prerequisites only. CSULB Enrollment Services prepares the Academic Requirements Report, which is the official graduation verification.

Grade	Course #	Course Title	Semester	Prerequisites (All prerequisite courses must have a "C" or better)
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Take ALL of the following courses:

	GEOL 102	General Geology (3)		Pre/Corequisite: A course that fulfills the A.1 GE Req., HS Math*
	GEOL 104	Geology Laboratory (1)		Pre/Corequisite: A course that fulfills the A.1 GE Req. HS math*, Concurrent or prior enrollment in GEOL 102
	GEOL 240	Historical Geology (4)		GEOL 106 or both GEOL 102, 104
	GEOL 250	Introduction to Field Petrology and Geological Field Techniques (3)		GEOL 102 with 104 or 105; or GEOL 106. Pre/Corequisite GEOL 240
	◆CHEM 111A	General Chemistry (5)		A passing score on the CPT; MATH 113 or 117 or 119A or 122
	◆CHEM 111B	General Chemistry (5)		CHEM 111A
	◆MATH 122	Calculus I (4)		Appropriate MDPT placement or MATH 111 and 113, or 117
	◆MATH 123	Calculus II (4)		MATH 122
	PHYS 151	Mechanics and Heat (4)		MATH 122 Pre/Corequisite
	PHYS 152	Electricity and Magnetism (4)		PHYS 151; Pre/Corequisite MATH 123

Upper Division (for upper division advising, see your faculty advisor)

Take ALL of the following courses:

	GEOL 322	Crystallography, Mineralogy and Optical Methods (5)		GEOL 250; CHEM 101 or 111A
	GEOL 341	Paleontology and Biostratigraphy (4)		GEOL 240 and BIOL 200
	GEOL 350	Spring Field Geology (2)		GEOL 250 and 443. Pre/Corequisite GEOL 433
	GEOL 420	Geological Writing (3)		GE Foundation completed, upper division standing, GEOL 102, 104, 240, 250; and at least 6 units of Geology course at 300-level or above. Additional GWAR requirements*
	GEOL 428	Igneous and Metamorphic Petrology and Petrography (4)		GEOL 322; CHEM 111A,B
	GEOL 433	Structural Geology (4)		GEOL 250, 322; PHYS 151
	GEOL 443	Stratigraphy/Sedimentology (4)		GEOL 240, 322
	GEOL 450	Summer Field Geology (4)		GEOL 350, 428, 433, and 443
	GEOL 460	Introduction to Geophysics (3)		PHYS 151, 152; MATH 123
	GEOL 461	Introduction to Geochemistry (3)		CHEM 111A,B and MATH 123

In addition, **nine units** of electives (normally at upper division) approved in advance by the undergraduate advisor.

*See catalog for more detail

NOTE: See the catalog for courses that do not meet any specific or elective requirements for the major
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◆ Three of the four courses noted must be completed in order to declare the major.