

**EXECUTIVE COMMITTEE  
COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES  
REPORT TO RIVERSIDE DIVISION  
MAY 26, 2020**

To be adopted:

Proposed changes to the Geology major (B.S.).

**Geology Major**

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All courses in Geosciences that are prerequisites for other courses in the major must be passed with a grade of “C-” or better before proceeding in the sequence. For example, GEO 001 is a prerequisite for GEO 122.

No Change

All students majoring in Geology are normally required to take the core curriculum.

No Change

1. Lower-division requirements (43-44 units)

1. No Change

a) GEO 001, GEO 002 or GEO 009 or GEO 011, GEO 003/BIOL 010

a) No Change

b) BIOL 002 or BIOL 005A, BIOL 05LA (or BIOL 020)

b) No Change

c) Either CHEM 001A and CHEM 01LA or CHEM 01HA and CHEM 1HLA, either CHEM 001B and CHEM 01LB or CHEM 01HB and CHEM 01HLB

c) No Change

d) MATH 007A or MATH 009A or MATH 009HA, MATH 007B or MATH 009B or MATH 009HB, MATH 046

d) No Change

e) PHYS 040A, PHYS 040B or PHYS 002A and PHYS 02LA, PHYS 002B and PHYS 02LB

e) No Change

Students interested in elective classes in Geophysics are recommended to take PHYS 040C (if they have previously taken PHYS 040A and PHYS 040B), or PHYS 002C and 02LC (if they have previously taken PHYS 002A and PHYS 02LA and PHYS 002B and 02LB). Students interested in elective classes in Geochemistry are recommended to take CHEM 001C and CHEM 01LC.

No Change

2. Upper-division requirements (~~47-49~~ units)

2. Upper-division requirements (52-54 units)

a) GEO 100, ~~GEO 101~~, GEO 102A, GEO 102B, GEO 111, GEO 115, GEO 116, GEO 118, GEO 122

b) Two of GEO 123, GEO 124, GEO 132, GEO 136, GEO 137, GEO 140 GEO 144, GEO 145, GEO 147 GEO 151, GEO 152, GEO 157, GEO 160, GEO 161, GEO 162, GEO 169, STAT 100A or STAT 155

Students interested in pursuing professional licensure through the California Geologist In Training (GIT) examination should consider taking GEO 132 and GEO 162 as their elective classes

a) GEO 100, GEO 101A, GEO 101B, GEO 102A, GEO 102B, GEO 111, GEO 115, GEO 116, GEO 118, GEO 122

b) Two of GEO 123, GEO 124, GEO 132, GEO 136, GEO 137, GEO 140 GEO 144, GEO 145, GEO 147 GEO 151, GEO 152, GEO 157, GEO 160, GEO 161, GEO 162, GEO 169, GEO 180, GEO 181, STAT 100A or STAT 155

No Change

### **Justification:**

Replacement of GEO 101 (Field Geology) by GEO 101A and GEO 101B: The Department decided last year to split and augment our previous field geology class into a two-course sequence. We are now updating the curriculum to reflect that change, and the one additional unit that came with it.

We counted the total units of the major and found the catalog total was wrong (apparently missing one course). The number has been updated.

Addition of GEO 180 (Exoplanet Detection) and GEO 181 (Exoplanet Characterization) as electives: These are new courses that will be of interest and relevance to students interested in Geology.

### **Approvals:**

Approved by the faculty of the Department of Earth and Planetary Sciences:	October 30, 2019
Approved by the Executive Committee of the College of Natural and Agricultural Sciences:	January 14, 2020
Approved by the Committee on Educational Policy:	April 10, 2020