

**EXECUTIVE COMMITTEE  
COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES  
REPORT TO THE RIVERSIDE DIVISION  
MAY 24, 2022**

To be adopted:

Proposed Change to Change of Major and Continuation Criteria for Earth and Planetary Sciences Major

**PRESENT:**

**Change of Major and Continuation Criteria**

Students wishing to change into or continue in the ~~Earth Sciences~~ major must be in good academic standing and show potential to graduate without exceeding 216 units.

Freshmen (2nd and 3rd quarter) must demonstrate progress in basic sciences and aptitude for Earth and Planetary Sciences by satisfying the following three criteria by Spring Quarter or Summer Session:

- MATH 007B or MATH 009B eligible (e.g. completion of MATH 007A or MATH 009A with grades of C- or better)
- CHEM 01B eligible (e.g. completion of CHEM 01A with a grade of C- or better
- One of GEO 001, GEO 002 or GEO 009 or GEO 011, or GEO 003 completed with a grade of C- or better

**Sophomores (up to 89.9 cumulative units)**

sciences and aptitude for geology by satisfying the following three criteria by Spring Quarter or Summer Session:

- CHEM 001B completed with passing grades
- MATH 009C or MATH 046 eligible (e.g. MATH 007B or MATH 009B with grade of C- or better)
- Two of GEO 001, GEO 002 or GEO 009 or

**PROPOSED:**

**Change of Major and Continuation Criteria**

Students wishing to change into or continue in the Earth and Planetary Sciences major must be in good academic standing and show potential to graduate without exceeding 216 units. Freshmen

No Change

No Change

No Change

**Sophomores (up to 89.9 cumulative units)**

No Change

No Change

No Change

No Change

- GEO 011, or GEO 003 completed with no grade below C- after repeats

**Juniors (90 – 134.9 units) must demonstrate**

near completion of basic sciences and aptitude for upper-division ~~Earth Sciences~~ by satisfying the following three criteria by Spring Quarter or Summer Session:

- CHEM 001B and MATH 009C or MATH 046 completed with passing grades

- PHYS 040B or PHYS 002B and PHYS 002LB eligible (i.e. completion of one quarter of college physics with C- or better)

- GEO 001, GEO 002 or GEO 009 or GEO 011, GEO 003, GEO 111, and GEO 115 or GEO 157 (and all prerequisites) completed with no grade below C- after repeats

**Seniors (135+ units):** must have completed all but 1 course of the ~~Earth Sciences~~ core requirements by Spring Quarter or Summer Session, as follows:

- CHEM 001B, MATH 009C or MATH 046, PHYS040B or PHYS 002B and PHYS 02LB completed with passing grades.

- BIOL 002 or BIOL 005A and BIOL 05LA or BIOL 020, completed with passing grades.

- GEO 001, GEO 002 or GEO 009 or GEO 011, GEO 003, GEO 004 or GEO 007 or GEO 008 or GEO 010 or GEO 012, GEO 111, GEO 115, and GEO 157 (and all prerequisites) completed with no grade below C- after repeats.

**Justification:**

The Department of Earth and Planetary Sciences has implemented numerous changes in recent years to better reflect the broadened scope of research occurring within the department, including the name change for both the department, and for the graduate program. We are continuing this process by adjusting our undergraduate majors programs to better reflect our broader inclusion of planetary sciences in research and instruction, and also to include newly introduced planetary sciences classes that support the changes to the majors.

**Juniors (90 – 134.9 units) must demonstrate**

near completion of basic sciences and aptitude for upper-division Earth and Planetary Sciences by satisfying the following three criteria by Spring Quarter or Summer Session:

No Change

No Change

No Change

**Seniors (135+ units):** must have completed all but 1 course of the Earth and Planetary Sciences core requirements by Spring Quarter or Summer Session, as follows:

No Change

No Change

No Change

**Approvals:**

Approved by the faculty of the Department of Earth and Planetary Sciences: October 20, 2021

Approved by the Executive Committee of the College of Natural and  
Agricultural Sciences: March 1, 2022

Approved by the Committee on Educational Policy: March 30, 2022