

# Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Berkeley  
2022-2023 General Catalog, Semester

From: De Anza College  
2022-2023 General Catalog, Quarter

## Planetary Science, Lower Division B.A.

### COLLEGE OF LETTERS AND SCIENCE

#### COLLEGE ADMISSION REQUIREMENTS FOR TRANSFER STUDENTS THIS MAJOR IS OFFERED BY THE COLLEGE OF LETTERS AND SCIENCE (L&S).

**By the end of the spring term preceding fall enrollment at Berkeley, you must complete:**

- 1) The L&S Requirements in Reading & Composition, Quantitative Reasoning, and Foreign Language; **OR**
- 2) IGETC

**Major Requirements:**

Complete as many lower division major requirements as possible. See details on preparation for this major below.

**Primary selection criteria for admission, in general:**

- completion of L&S Requirements (or IGETC), plus
- strength of academic preparation, and
- grade point average.

**For more information on admission to UC Berkeley:**

<http://admissions.berkeley.edu>

**For more information on majors at UC Berkeley:**

Berkeley Academic Guide: <http://guide.berkeley.edu>

### PROGRAM

**Fall 2023 Admission For this Major:**

Transfer students who select this major on their College of Letters and Science (L&S) application and are offered admission to L&S will be directly admitted into this major.

If you are interested in this major, it is very important to select this major on your application, and complete as many lower-division major requirements as possible prior to transfer. See details on preparation for this major below.

**The Department of Earth and Planetary Science (EPS)** offers six undergraduate majors leading to a B.A. degree in one of the following majors:

- Atmospheric Science;
- Environmental Earth Science;
- Geology;
- Geophysics;
- Marine Science; and
- Planetary Science.

The degree provides quantitative studies of the earth and is an excellent program toward further studies in graduate school or for active roles in environmental decision making, teaching in high schools, and for job opportunities requiring a basic understanding of natural sciences.

**All six majors** require one semester of general chemistry, one year of physics, one year of calculus, and EPS 50.

**AP scores** may be used to clear some of the major requirements in chemistry, calculus, and biology. Contact the EPS Student Services Advisor for details.

**For more information**

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Undergraduate Major Advisor  
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<http://eps.berkeley.edu>

### LOWER DIVISION MAJOR REQUIREMENTS

**CHEM 1A** - General Chemistry (3.00)  
--- And ---  
**CHEM 1AL** - General Chemistry Laboratory (2.00)

← Articulates as a Series Only

--- Or ---

**CHEM 1A** - General Chemistry (3.00)  
--- And ---  
**CHEM 1AL** - General Chemistry Laboratory (2.00)  
--- And ---  
**CHEM 1B** - General Chemistry (4.00)

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**CHEM 1A** - General Chemistry (5.00)  
--- And ---  
**CHEM 1B** - General Chemistry (5.00)  
--- And ---  
**CHEM 1C** - General Chemistry and Qualitative Analysis (5.00)

**PHYSICS 7A** - Physics for Scientists and Engineers (4.00)

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**PHYS 4A** - Physics for Scientists and Engineers: Mechanics (6.00)

--- And ---

**PHYSICS 7B** - Physics for Scientists and Engineers (4.00)

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**PHYS 4B** - Physics for Scientists and Engineers: Electricity and Magnetism (6.00)  
--- And ---  
**PHYS 4C** - Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics (6.00)

--- Or ---

**PHYSICS 7A** - Physics for Scientists and Engineers (4.00)  
--- And ---  
**PHYSICS 7B** - Physics for Scientists and Engineers (4.00)

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Articulates as Course-to-Course Only

--- And ---

**PHYSICS 7C** - Physics for Scientists and Engineers (4.00)

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**PHYS 4C** - Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics (6.00)  
--- And ---  
**PHYS 4D** - Physics for Scientists and Engineers: Modern Physics (6.00)

--- Or ---

**PHYSICS 7A** - Physics for Scientists and Engineers (4.00)  
--- And ---  
**PHYSICS 7B** - Physics for Scientists and Engineers (4.00)  
--- And ---  
**PHYSICS 7C** - Physics for Scientists and Engineers (4.00)

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Articulates as Course-to-Course Only

**MATH 1A** - Calculus (4.00)

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**MATH 1A** - Calculus (5.00)  
--- And ---  
**MATH 1B** - Calculus (5.00)  
• *Regular and honors courses may be combined to complete this series*

--- Or ---

**MATH 1AH** - Calculus - HONORS (5.00)  
--- And ---  
**MATH 1BH** - Calculus - HONORS (5.00)  
• *Regular and honors courses may be combined to complete this series*

**MATH 1B** - Calculus (4.00)



**MATH 1B** - Calculus (5.00)

--- And ---

**MATH 1C** - Calculus (5.00)

- *Regular and honors courses may be combined to complete this series*

--- Or ---

**MATH 1BH** - Calculus - HONORS (5.00)

--- And ---

**MATH 1CH** - Calculus - HONORS (5.00)

- *Regular and honors courses may be combined to complete this series*

**MATH 53** - Multivariable Calculus (4.00)



**MATH 1C** - Calculus (5.00)

--- And ---

**MATH 1D** - Calculus (5.00)

- *Regular and honors courses may be combined to complete this series*

--- Or ---

**MATH 1CH** - Calculus - HONORS (5.00)

--- And ---

**MATH 1DH** - Calculus - HONORS (5.00)

- *Regular and honors courses may be combined to complete this series*

**MATH 54** - Linear Algebra and Differential Equations (4.00)



**MATH 2A** - Differential Equations (5.00)

--- And ---

**MATH 2B** - Linear Algebra (5.00)

- *Regular and honors courses may be combined to complete this series*

--- Or ---

**MATH 2AH** - Differential Equations - HONORS (5.00)

--- And ---

**MATH 2BH** - Linear Algebra - HONORS (5.00)

- *Regular and honors courses may be combined to complete this series*

**EPS 50** - The Planet Earth (includes lab) (4.00)



**GEOL 10** - Introductory Geology (5.00)

**END OF AGREEMENT**