

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

Marine 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.

Students majoring in Marine Science will also need to complete EPS 82 - Introduction to Oceans at UC Berkeley.

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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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)

←

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

CHEM 1B - General Chemistry (4.00)

← 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)

←

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

BIOLOGY 1B - General Biology (Plant Form & Function, Ecology, Evolution) (4.00)

←

BIOL 6A - Form and Function in the Biological World (6.00)
--- And ---
BIOL 6C - Ecology and Evolution (6.00)

--- Or ---

BIOL 6AH - Form and Function in the Biological World - HONORS (6.00)
--- And ---
BIOL 6C - Ecology and Evolution (6.00)

--- Or ---

BIOL 6A - Form and Function in the Biological World (6.00)
--- And ---
BIOL 6CH - Ecology and Evolution - HONORS (6.00)

--- Or ---

BIOL 6AH - Form and Function in the Biological World - HONORS (6.00)
--- And ---
BIOL 6CH - Ecology and Evolution - HONORS (6.00)

--- Or ---

BIOLOGY 1A - General Biology Lecture (Cells, Genetics, Animal Form & Function) (3.00)
--- And ---
BIOLOGY 1AL - General Biology Laboratory (2.00)
--- And ---
BIOLOGY 1B - General Biology (Plant Form & Function, Ecology, Evolution) (4.00)

←

Articulates as Course-to-Course Only

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)



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)



Articulates as Course-to-Course Only

--- 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)



Articulates as Course-to-Course Only

--- Or ---

PHYSICS 8A - Introductory Physics (4.00)



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

--- And ---

PHYS 4B - Physics for Scientists and Engineers: Electricity and Magnetism (6.00)

--- Or ---

PHYS 2A - General Introductory Physics (5.00)

--- And ---

PHYS 2C - General Introductory Physics (5.00)

--- And ---

PHYSICS 8B - Introductory Physics (4.00)



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 ---

PHYS 2B - General Introductory Physics (5.00)

--- And ---

PHYS 2C - General Introductory Physics (5.00)

--- Or ---

PHYSICS 8A - Introductory Physics (4.00)

--- And ---

PHYSICS 8B - Introductory Physics (4.00)



Articulates as Course-to-Course Only

MATH 1A - Calculus (4.00)



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*

--- And ---

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*

--- Or ---

MATH 10A - Methods of Mathematics: Calculus, Statistics, and Combinatorics (4.00)



No Course Articulated

--- And ---

MATH 10B - Methods of Mathematics: Calculus, Statistics, and Combinatorics (4.00)



No Course Articulated

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



GEOL 10 - Introductory Geology (5.00)

EPS 82 - Oceans (3.00)



This course must be taken at the university after transfer

- *Course(s) must be taken at university*

END OF AGREEMENT