

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Los Angeles
2022-2023 General Catalog, Quarter

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

Geology/B.S.

IMPORTANT MAJOR INFORMATION

Listed below are the lower division preparation courses for the major. **To be considered for this major, you must complete the following courses by the end of spring before transfer: one introductory course in Earth Sciences with lab, two general chemistry courses with lab for majors and one semester of calculus. A second semester of calculus is recommended.** All courses must be taken for a letter grade. **For more information regarding this major and UCLA's transfer selection process, visit <https://epss.ucla.edu> and <https://admission.ucla.edu>.**

PLEASE NOTE: the community college courses listed below have been approved to satisfy the preparation for this major at UCLA, but they may not be exact equivalents of the UCLA courses listed.

ADDITIONAL RECOMMENDED PREPARATION

A second semester of calculus and a second semester of general chemistry are recommended.

LOWER DIVISION MAJOR REQUIREMENTS

EPS SCI 1 - Introduction to Earth Science (5.00)	←	GEOL 10 - Introductory Geology (5.00)
EPS SCI 51 - Mineralogy: Earth and Planetary Materials (4.00)	←	No Course Articulated
EPS SCI 61 - Geologic Maps (4.00)	←	No Course Articulated
EPS SCI M71 - Introduction to Computing for Geoscientists (4.00)	←	No Course Articulated
CHEM 20A - Chemical Structure (4.00) --- And --- CHEM 20B - Chemical Energetics and Change (4.00) --- And --- CHEM 20L - General Chemistry Laboratory (3.00)	←	CHEM 1A - General Chemistry (5.00) --- And --- CHEM 1B - General Chemistry (5.00) --- And --- CHEM 1C - General Chemistry and Qualitative Analysis (5.00)
LIFESCI 7B - Genetics, Evolution, and Ecology (5.00)	←	BIOL 6C - Ecology and Evolution (6.00) --- Or --- BIOL 6CH - Ecology and Evolution - HONORS (6.00)
MATH 3A - Calculus for Life Sciences Students (4.00) --- And --- MATH 3B - Calculus for Life Sciences Students (4.00) --- And --- MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students (4.00)	←	No Course Articulated No Course Articulated No Course Articulated
--- Or ---		
MATH 31A - Differential and Integral Calculus (4.00) --- And --- MATH 31B - Integration and Infinite Series (4.00) --- And --- MATH 32A - Calculus of Several Variables (4.00)	←	MATH 1A - Calculus (5.00) --- And --- MATH 1B - Calculus (5.00) --- And --- MATH 1C - Calculus (5.00)

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics, and Energy (5.00)



PHYS 2A - General Introductory Physics (5.00)

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PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics (5.00)



PHYS 2B - General Introductory Physics (5.00)

--- Or ---

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics (5.00)

--- And ---

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (5.00)

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PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics (2.00)

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PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism (2.00)



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

--- And ---

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

END OF AGREEMENT