

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

Biophysics/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: one and a half years of calculus through multivariable, one year of calculus based physics (mechanics, electricity, and magnetism) and linear algebra by the end of spring before transfer.** It is strongly *recommended* that the remainder of the major prep be completed prior to transfer. All courses must be taken for a letter grade. **For more information regarding this major and UCLA's transfer selection process, visit <https://www.pa.ucla.edu> and <https://admission.ucla.edu>.**

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

LOWER DIVISION MAJOR REQUIREMENTS

CHEM 20A - Chemical Structure (4.00)

--- And ---

CHEM 20B - Chemical Energetics and Change (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)

MATH 31A - Differential and Integral Calculus (4.00)



MATH 1A - Calculus (5.00)

--- Or ---

MATH 31AL - Differential and Integral Calculus Laboratory (5.00)



No Course Articulated

--- And ---

MATH 31B - Integration and Infinite Series (4.00)



MATH 1B - Calculus (5.00)

--- And ---

MATH 1C - Calculus (5.00)

--- Or ---

MATH 1B - Calculus (5.00)

--- And ---

MATH 1CH - Calculus - HONORS (5.00)

--- Or ---

MATH 1BH - Calculus - HONORS (5.00)

--- And ---

MATH 1C - Calculus (5.00)

--- Or ---

MATH 1BH - Calculus - HONORS (5.00)

--- And ---

MATH 1CH - Calculus - HONORS (5.00)

MATH 32A - Calculus of Several Variables (4.00)

--- And ---

MATH 32B - Calculus of Several Variables (4.00)



MATH 1C - Calculus (5.00)

--- And ---

MATH 1D - Calculus (5.00)

MATH 33A - Linear Algebra and Applications (4.00)

--- And ---

MATH 33B - Differential Equations (4.00)



MATH 2B - Linear Algebra (5.00)

--- And ---

MATH 2A - Differential Equations (5.00)

LIFESCI 7A - Cell and Molecular Biology (5.00)



BIOL 6B - Cell and Molecular Biology (6.00)



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)

--- And ---

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (5.00)

--- And ---

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

--- And ---

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

- *Articulates as a sequence only*

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

--- And ---

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)

PHYSICS 17 - Modern Physics (4.00)



PHYS 4D - Physics for Scientists and Engineers: Modern Physics (6.00)

PHYS 4D - Physics for Scientists and Engineers: Modern Physics (6.00)

END OF AGREEMENT