# **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

## Mathematics/B.S.

## **IMPORTANT MAJOR INFORMATION**

Listed below are the lower division preparation courses for the major. To be considered for this major, you <u>must</u> complete at least four semesters /five quarters of calculus through multivariable and either linear algebra or differential equations by the end of spring before transfer. All courses must be taken for a letter grade. For more information regarding this major and UCLA's selection process, visit <u>www.math.ucla.edu</u> and <a href="https://admission.ucla.edu">https://admission.ucla.edu</a>.

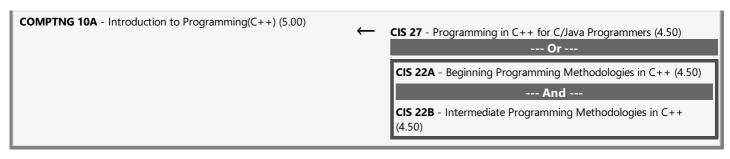
PLEASE NOTE: the community college courses listed below have been approved to satisfy the preparation requirements for this major at UCLA, but they may not be exact equivalents of the UCLA courses listed.

## ADDITIONAL RECOMMENDED MAJOR PREPARATION

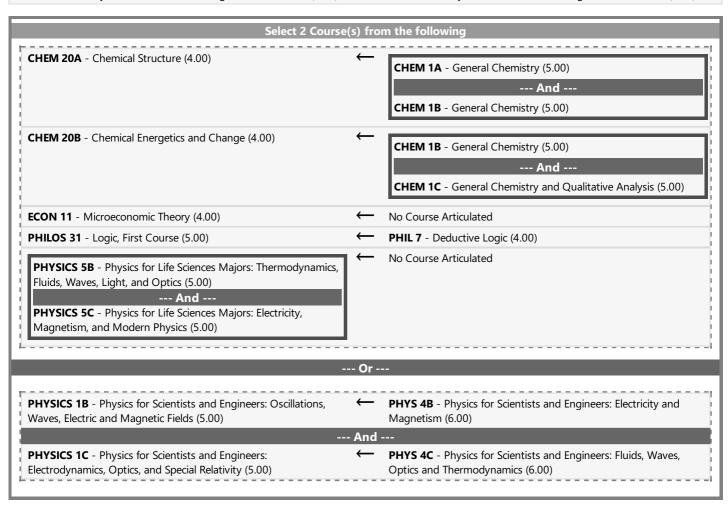
Additional recommended courses prior to transfer include: completion of the full calculus series (encompassing single variable, multivariable, linear algebra and differential equations) and one introductory course in C++.

## **LOWER DIVISION MAJOR REQUIREMENTS**

MATH 31A - Differential and Integral Calculus (4.00)	←	MATH 1A - Calculus (5.00)
Or		
MATH 31AL - Differential and Integral Calculus Laboratory (5.00)	<b>←</b>	No Course Articulated
MATH 31B - Integration and Infinite Series (4.00)	<b>←</b>	
incegration and minice 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)
	<b>←</b>	
MATH 32A - Calculus of Several Variables (4.00) And		MATH 1C - Calculus (5.00)
MATH 32B - Calculus of Several Variables (4.00)		And
		MATH 1D - Calculus (5.00)
MATH 33A - Linear Algebra and Applications (4.00)	$\leftarrow$	MATH 2B - Linear Algebra (5.00)
MATH 33B - Differential Equations (4.00)	$\leftarrow$	MATH 2A - Differential Equations (5.00)



PHYSICS 1A - Physics for Scientists and Engineers: Mechanics (5.00) 
PHYS 4A - Physics for Scientists and Engineers: Mechanics (6.00)



**LIFESCI 7A** - Cell and Molecular Biology (5.00) ← BIOL 6B - Cell and Molecular Biology (6.00)

## **END OF AGREEMENT**