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

Applied Mathematics/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 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 transfer selection process visit www.math.ucla.edu and https://admission.ucla.edu.

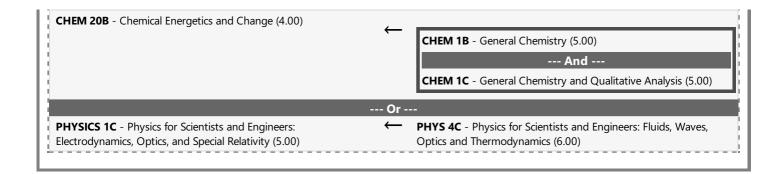
PLEASE NOTE: the community college courses listed below have been approved to satisfy the preparation requirements for this major at UCLA, but they may not be exact equivalents of the UCLA courses listed.

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)	7 ←	MATH 1A - Calculus (5.00)
And	ıl	And
MATH 31B - Integration and Infinite Series (4.00)]	MATH 1B - Calculus (5.00)
		TATTI ID Culculus (5.50)
MATH 32A - Calculus of Several Variables (4.00)	1 ←	MATH 1C - Calculus (5.00)
And	1	And
MATH 32B - Calculus of Several Variables (4.00)		MATH 1D - Calculus (5.00)
MATH 33A - Linear Algebra and Applications (4.00)	←	MATH 2B - Linear Algebra (5.00)
MATH 33B - Differential Equations (4.00)	\leftarrow	MATH 2A - Differential Equations (5.00)
COMPTNG 10A - Introduction to Programming(C++) (5.00)	\leftarrow	CIS 27 - Programming in C++ for C/Java Programmers (4.50)
		Or
		CIS 22A - Beginning Programming Methodologies in C++ (4.50)
		And
		CIS 22B - Intermediate Programming Methodologies in C++
		(4.50)
PHYSICS 1A - Physics for Scientists and Engineers: Mechanics	7 ←	PHYS 4A - Physics for Scientists and Engineers: Mechanics (6.00)
(5.00)		And
And PHYSICS 1B - Physics for Scientists and Engineers: Oscillations,	1	PHYS 4B - Physics for Scientists and Engineers: Electricity and
Waves, Electric and Magnetic Fields (5.00)		Magnetism (6.00)
	And se(s) fro	m the following
CHEM 20A - Chemical Structure (4.00)	\leftarrow	CHEM 1A - General Chemistry (5.00)
		And
		CHEM 1B - General Chemistry (5.00)
	Or -	
	Or -	••



END OF AGREEMENT