

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/Economics/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 course listed 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 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)

← No Course Articulated

MATH 31B - Integration and Infinite Series (4.00)

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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)

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MATH 1C - Calculus (5.00)

--- And ---

MATH 1D - Calculus (5.00)

MATH 33A - Linear Algebra and Applications (4.00)

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MATH 2B - Linear Algebra (5.00)

MATH 33B - Differential Equations (4.00)

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MATH 2A - Differential Equations (5.00)

MATH 61 - Introduction to Discrete Structures (4.00)

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MATH 22 - Discrete Mathematics (5.00)

COMPTNG 10A - Introduction to Programming(C++) (5.00)



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)

ECON 1 - Principles of Economics(Microeconomics) (4.00)



ECON 2 - Principles of Microeconomics (4.00)

--- Or ---

ECON 2H - Principles of Microeconomics - HONORS (4.00)

ECON 2 - Principles of Economics(Macroeconomics) (4.00)



ECON 1 - Principles of Macroeconomics (4.00)

--- Or ---

ECON 1H - Principles of Macroeconomics - HONORS (4.00)

ECON 11 - Microeconomic Theory (4.00)



No Course Articulated

One Writing II Course:



EWRT 1B - Reading, Writing and Research (5.00)

--- Or ---

EWRT 1BH - Reading, Writing and Research - HONORS (5.00)

--- Or ---

EWRT 1C - Literature and Composition (5.00)

--- Or ---

PHIL 3 - Critical Thinking and Writing (5.00)

--- Or ---

COMM 9 - Argumentation: Analysis of Oral and Written Communication (5.00)

--- Or ---

EWRT 2 - Critical Reading, Writing and Thinking (5.00)

--- Or ---

EWRT 2H - Critical Reading, Writing and Thinking - HONORS (5.00)

END OF AGREEMENT