Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Irvine 2022-2023 General Catalog, Quarter	From: De Anza College 2022-2023 General Catalog, Quarter

Mathematics, B.S.

GENERAL INFORMATION

Preference will be given to junior-level applicants with the highest grades overall who have satisfactorily completed the following **required** course work.

Required for admission:
Students must have a cumulative UC transferable GPA of 3.0 (3.4 for TAG)

- One year of single variable calculus with a minimum grade of B in each course

Recommended for admission:

- Additional course work in multivariable calculus, linear algebra, and differential equations is strongly recommended

Students may specialize in Applied and Computational Mathematics, Mathematical Biology, or Mathematics for Education. Concentrations in Mathematical Finance, Data Science, and Mathematics for Education with Secondary Teaching Certification are also offered. Additional information is available at http://ps.uci.edu/undergraduates.

Students planning to pursue a single-subject secondary teaching credential in their major as an undergraduate should consider cross-enrolling into two foundational education courses through UCI DCE before transfer, while still enrolled at their community college, in order to remain eligible to graduate in two years after transfer. For more information about specific courses, the STEM teaching pathway, and cross-enrollment, please contact **UCI's CalTeach Program** for more details.

Important: Articulation of General Chemistry is based on the completion of the **entire** year. Students wishing information on course-to-course equivalencies (semester to quarter) should contact the Physical Sciences Student Affairs Office at: pssazot@uci.edu.

NOTE: In fulfillment of the requirements below, a single course may be used only once.

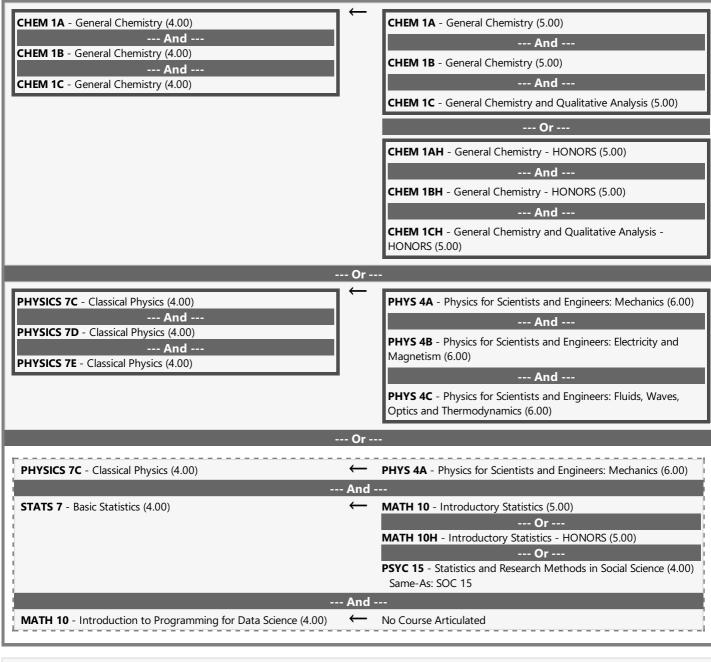For information regarding the AP and IB examination credit policies refer to the UCI General Catalogue.

For more information regarding the UC Irvine Transfer Admission Guarantee Program, please visit TAG

MAJOR PREPARATION COURSES REQUIRED FOR TRANSFER

MATH 2A - Single-Variable Calculus (4.00)	←	**MATH 1A** - Calculus (5.00)
		--- Or ---
		MATH 1AH - Calculus - HONORS (5.00)
MATH 2B - Single-Variable Calculus (4.00)	←	**MATH 1B** - Calculus (5.00)
		--- Or ---
		MATH 1BH - Calculus - HONORS (5.00)

ADDITIONAL APPROVED COURSES FOR THE MAJOR

MATH 2D - Multivariable Calculus (4.00)	←	**MATH 1D** - Calculus (5.00)
		--- Or ---
		MATH 1DH - Calculus - HONORS (5.00)
MATH 2E - Multivariable Calculus (4.00)	←	**MATH 1D** - Calculus (5.00)
		--- Or ---
		MATH 1DH - Calculus - HONORS (5.00)
MATH 3A - Introduction to Linear Algebra (4.00)	←	**MATH 2B** - Linear Algebra (5.00)
		--- Or ---
		MATH 2BH - Linear Algebra - HONORS (5.00)
MATH 3D - Elementary Differential Equations (4.00)	←	**MATH 2A** - Differential Equations (5.00)
		--- Or ---
		MATH 2AH - Differential Equations - HONORS (5.00)
MATH 13 - Introduction to Abstract Mathematics (4.00)	←	No Course Articulated

CHEM 1A - General Chemistry (4.00) --- And --- **CHEM 1B** - General Chemistry (4.00) --- And --- **CHEM 1C** - General Chemistry (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) --- Or --- **CHEM 1AH** - General Chemistry - HONORS (5.00) --- And --- **CHEM 1BH** - General Chemistry - HONORS (5.00) --- And --- **CHEM 1CH** - General Chemistry and Qualitative Analysis - HONORS (5.00)

--- Or ---

PHYSICS 7C - Classical Physics (4.00) --- And --- **PHYSICS 7D** - Classical Physics (4.00) --- And --- **PHYSICS 7E** - Classical Physics (4.00)	←	**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)

--- Or ---

PHYSICS 7C - Classical Physics (4.00) ← **PHYS 4A** - Physics for Scientists and Engineers: Mechanics (6.00)

--- And ---

STATS 7 - Basic Statistics (4.00) ← **MATH 10** - Introductory Statistics (5.00)

--- Or ---

MATH 10H - Introductory Statistics - HONORS (5.00)

--- Or ---

PSYC 15 - Statistics and Research Methods in Social Science (4.00)
  Same-As: SOC 15

--- And ---

MATH 10 - Introduction to Programming for Data Science (4.00) ← No Course Articulated

MATH 9 - Introduction to Programming for Numerical Analysis (4.00) ← No Course Articulated

END OF AGREEMENT