

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

Biology/Education, B.S.

GENERAL INFORMATION

Junior-level applicants with the highest grades overall who satisfactorily complete course prerequisites will be given preference for admission.

Required for admission:

All applicants must have a cumulative UC transferable GPA of 3.0 (3.4 for TAG) or higher and complete the following required courses with a grade of C or better:

- One year of biology courses equivalent to UCI's BIO SCI 93 & BIO SCI 94
- One year of general chemistry with laboratory
- One year of organic chemistry with laboratory

Transfer students are advised to complete as many articulated lower-division degree requirements as possible prior to transfer. For information, contact the School of Biological Sciences at (949) 824-5318 or go to - <https://undergraduate.bio.uci.edu/>

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.

NOTE: Once enrolled at UCI, School of Biological Sciences majors may only take UCI courses to satisfy School and Major Requirements.

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.

While not a requirement for admission purposes, all School of Biological Sciences students must satisfy the Mathematics Requirement.

Students have three options for completing the Mathematics Requirement before enrolling at UCI:

- 1) Two semesters or Three quarters of Calculus (*equivalent to UCI's MATH 5A and MATH 5B*) **or**
- 2) One semester of Calculus (*equivalent to UCI's MATH 5A*) and one semester of Statistics (*equivalent to UCI's STATS 7 or STATS 8*) **or**
- 3) Two quarters of Calculus (*equivalent to UCI's MATH 5A and MATH 5B*) and one quarter of Statistics (*equivalent to UCI's STATS 7 or STATS 8*)

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

BIO SCI 93 - DNA to Organisms (4.00)

BIO SCI 94 - Organisms to Ecosystems (4.00)

← **BIOL 6B** - Cell and Molecular Biology (6.00)

←

BIOL 6A - Form and Function in the Biological World (6.00)

--- And ---

BIOL 6C - Ecology and Evolution (6.00)

--- Or ---

BIOL 6AH - Form and Function in the Biological World - HONORS (6.00)

--- And ---

BIOL 6CH - Ecology and Evolution - HONORS (6.00)

CHEM 1A - General Chemistry (4.00)

--- And ---

CHEM 1B - General Chemistry (4.00)

--- And ---

CHEM 1C - General Chemistry (4.00)

--- And ---

CHEM 1LC - General Chemistry Laboratory (3.00)

--- And ---

CHEM 1LD - General Chemistry Laboratory (3.00)



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)

CHEM 51A - Organic Chemistry (4.00)

--- And ---

CHEM 51B - Organic Chemistry (4.00)

--- And ---

CHEM 51LB - Organic Chemistry Laboratory (3.00)



CHEM 12A - Organic Chemistry (5.00)

--- And ---

CHEM 12B - Organic Chemistry (5.00)

ADDITIONAL APPROVED COURSES FOR THE MAJOR

BIO SCI 14 - California Teach 1: Introduction to Science and Mathematics Teaching (3.00)

Same-As: PHY SCI 5



No Course Articulated

LPS 60 - The Making of Modern Science (4.00)

Same-As: HISTORY 60



No Course Articulated

EDUC 55 - Knowing and Learning in Mathematics and Science (5.00)



No Course Articulated

BIO SCI 97 - Genetics (4.00)



No Course Articulated

BIO SCI 98 - Biochemistry (4.00)



No Course Articulated

BIO SCI 99 - Molecular Biology (4.00)



No Course Articulated

PHYSICS 3A - Basic Physics I (4.00)

--- And ---

PHYSICS 3B - Basic Physics II (4.00)

--- And ---

PHYSICS 3LB - Basic Physics Laboratory II (1.50)

--- And ---

PHYSICS 3C - Basic Physics III (4.00)

--- And ---

PHYSICS 3LC - Basic Physics Laboratory III (1.50)



PHYS 2A - General Introductory Physics (5.00)

--- And ---

PHYS 2B - General Introductory Physics (5.00)

--- And ---

PHYS 2C - General Introductory Physics (5.00)

--- Or ---

PHYSICS 7C - Classical Physics (4.00)

--- And ---

PHYSICS 7LC - Classical Physics Laboratory (1.00)

--- And ---

PHYSICS 7D - Classical Physics (4.00)

--- And ---

PHYSICS 7LD - Classical Physics Laboratory (1.00)

--- 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)

MATHEMATICS REQUIREMENT

Mathematics Requirement

- Please refer to additional important General Information section above



MATH 1A - Calculus (5.00)

--- And ---

MATH 1B - Calculus (5.00)

--- And ---

MATH 1C - Calculus (5.00)

--- Or ---

MATH 1A - Calculus (5.00)

--- And ---

MATH 1B - Calculus (5.00)

--- And ---

MATH 10 - Introductory Statistics (5.00)

--- Or ---

MATH 1A - Calculus (5.00)

--- And ---

MATH 1B - Calculus (5.00)

--- And ---

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

--- Or ---

MATH 1AH - Calculus - HONORS (5.00)

--- And ---

MATH 1BH - Calculus - HONORS (5.00)

--- And ---

MATH 1CH - Calculus - HONORS (5.00)

--- Or ---

MATH 1AH - Calculus - HONORS (5.00)

--- And ---

MATH 1BH - Calculus - HONORS (5.00)

--- And ---

MATH 10 - Introductory Statistics (5.00)

--- Or ---

MATH 1AH - Calculus - HONORS (5.00)

--- And ---

MATH 1BH - Calculus - HONORS (5.00)

--- And ---

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

END OF AGREEMENT