

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Davis
2022-2023 General Catalog, Quarter

From: De Anza College
2022-2023 General Catalog, Quarter

Marine & Coastal Science B.S. (Marine Environmental Chemistry)

INFORMATION AND ADVISORIES

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students also must meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of Spring term prior to Fall enrollment. See the [UC Davis Transfer Admission website](https://ucdavis.edu/transfer). In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and Mathematics by the end of Fall term prior to enrollment.

REQUIREMENTS FOR ADMISSION:

Students must identify an area of focus in order to select the appropriate major/college pairing on the UC application for undergraduate admission and scholarships. A student's chosen focus area will determine the college into which the student is admitted, the college where the degree is awarded, and the associated department:

- Coastal Environmental Processes (College of Agricultural and Environmental Sciences; Environmental Science and Policy)
- Marine Ecology and Organismal Biology (College of Biological Sciences; Evolution and Ecology)
- Marine Environmental Chemistry (College of Agricultural and Environmental Sciences; Environmental Toxicology)**
- Oceans and the Earth System (College of Letters and Science; Earth and Planetary Sciences)

Visit <https://marinescience.ucdavis.edu/academics/marine-coastal-science-undergraduate-major> for details regarding the marine and coastal science undergraduate major.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/UC Davis General Education (GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California Community Colleges and works well for students planning to complete undergraduate degrees at UC Davis. See additional details about IGETC in ASSIST. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Students not planning to complete IGETC should contact the Dean's Office of your undergraduate college at UC Davis who determines whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <https://ucdcl.ucdavis.edu/> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

College of Agricultural and Environmental Sciences (CA&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression or one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 003, University Writing Program 001, 048, 049 (emphasis in writing skills); Communication 001, Comparative Literature 001, 002, 003, 004, or Native American Studies 005 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination **plus** completing any previously listed course, **except** English 003 or University Writing Program 001. See the current articulation for appropriate courses available at your California Community College.

California Community College transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Davis Transfer Admission website](https://ucdavis.edu/transfer). The courses used for the CA&ES English Composition requirement and those

chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your Community College counselor or the UC Davis College of A&ES if you have any questions.

Advanced Placement (AP) and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis [General Catalog](#). Quick reference charts for AP and IB are also available [here](#).

MAJOR PREPARATION

- Please carefully review Information and Advisories and Course Articulation Details.

COURSE ARTICULATION DETAILS

- **Important note:** Due to the limitations and bugs on the ASSIST platform at this time, it is important to view both the department and major agreements for a complete picture of the articulation arrangements. [Please refer to the appropriate department agreements in conjunction with the major agreement below.](#)
- Please check the UC Transferability Lists on ASSIST for information on any credit limitations.
- **Attention:** Articulation agreements are California Community College *specific*. Lower division courses that are taken at multiple California Community Colleges, including those within a shared district, may articulate differently from what is indicated in the department or major agreements. It is recommended that series courses be completed at the same California Community College. Please contact your California Community College counselor for more information.

PREPARATION COURSES FOR THE MAJOR

Highly recommended to complete the entire series
If the entire sequence is not completed prior to transfer, students must consult an advisor prior to enrollment
Complete entire sequence at same institution prior to transfer

BIS 002A - Introduction to Biology: Essentials of Life on Earth (5.00)	← BIOL 6B - Cell and Molecular Biology (6.00)
BIS 002B - Introduction to Biology: Principles of Ecology & Evolution (5.00)	← BIOL 6C - Ecology and Evolution (6.00) --- Or --- BIOL 6CH - Ecology and Evolution - HONORS (6.00)
BIS 002C - Introduction to Biology: Biodiversity & the Tree of Life (5.00)	← BIOL 6A - Form and Function in the Biological World (6.00) --- Or --- BIOL 6AH - Form and Function in the Biological World - HONORS (6.00)

Select 1 Series from the following

Select courses in consultation with an advisor
Highly recommended to complete the entire series
If the entire sequence is not completed prior to transfer, students must consult an advisor prior to enrollment
Complete entire sequence at same institution prior to transfer

CHE 002A - General Chemistry (5.00)	← CHEM 1A - General Chemistry (5.00) <ul style="list-style-type: none">• Effective next fall, this articulation will be revised --- Or --- CHEM 1AH - General Chemistry - HONORS (5.00) <ul style="list-style-type: none">• Course is articulated in more than one agreement but credit can only apply to one• Effective next fall, this articulation will be revised
CHE 002B - General Chemistry (5.00)	← CHEM 1B - General Chemistry (5.00) <ul style="list-style-type: none">• Effective next fall, this articulation will be revised --- Or --- CHEM 1BH - General Chemistry - HONORS (5.00) <ul style="list-style-type: none">• Course is articulated in more than one agreement but credit can only apply to one• Effective next fall, this articulation will be revised

CHE 002C - General Chemistry (5.00)



CHEM 1C - General Chemistry and Qualitative Analysis (5.00)

--- Or ---

CHEM 1CH - General Chemistry and Qualitative Analysis - HONORS (5.00)

- *Course is articulated in more than one agreement but credit can only apply to one*

--- Or ---

CHE 004A - General Chemistry for the Physical Sciences & Engineering (5.00)



CHEM 1AH - General Chemistry - HONORS (5.00)

- *Course is articulated in more than one agreement but credit can only apply to one*

CHE 004B - General Chemistry for the Physical Sciences & Engineering (5.00)



CHEM 1BH - General Chemistry - HONORS (5.00)

- *Course is articulated in more than one agreement but credit can only apply to one*

CHE 004C - General Chemistry for the Physical Sciences & Engineering (5.00)



CHEM 1CH - General Chemistry and Qualitative Analysis - HONORS (5.00)

- *Course is articulated in more than one agreement but credit can only apply to one*

Select 1 Series from the following

Select courses in consultation with an advisor

Highly recommended to complete the entire series

If the entire sequence is not completed prior to transfer, students must consult an advisor prior to enrollment

Complete entire sequence at same institution prior to transfer

MAT 016A - Short Calculus (3.00)



MATH 1A - Calculus (5.00)

- *Credit for articulated courses in one series only*

--- Or ---

MATH 1AH - Calculus - HONORS (5.00)

- *Credit for articulated courses in one series only*

MAT 016B - Short Calculus (3.00)



MATH 1B - Calculus (5.00)

- *Credit for articulated courses in one series only*

--- Or ---

MATH 1BH - Calculus - HONORS (5.00)

- *Credit for articulated courses in one series only*

MAT 016C - Short Calculus (3.00)



MATH 1C - Calculus (5.00)

- *Credit for articulated courses in one series only*

--- Or ---

MATH 1CH - Calculus - HONORS (5.00)

- *Credit for articulated courses in one series only*

--- Or ---

MAT 017A - Calculus for Biology & Medicine (4.00)



No Course Articulated

MAT 017B - Calculus for Biology & Medicine (4.00)



No Course Articulated

MAT 017C - Calculus for Biology & Medicine (4.00)



No Course Articulated

--- Or ---

MAT 021A - Calculus (4.00)



MATH 1A - Calculus (5.00)

- *Credit for articulated courses in one series only*

--- Or ---

MATH 1AH - Calculus - HONORS (5.00)

- *Credit for articulated courses in one series only*

MAT 021B - Calculus (4.00)



MATH 1B - Calculus (5.00)

- *Credit for articulated courses in one series only*

--- Or ---

MATH 1BH - Calculus - HONORS (5.00)

- *Credit for articulated courses in one series only*

MAT 021C - Calculus (4.00)



MATH 1C - Calculus (5.00)

- *Credit for articulated courses in one series only*

--- Or ---

MATH 1CH - Calculus - HONORS (5.00)

- *Credit for articulated courses in one series only*

Select 1 Series from the following

Select courses in consultation with an advisor

Highly recommended to complete the entire series

If the entire sequence is not completed prior to transfer, students must consult an advisor prior to enrollment

Complete entire sequence at same institution prior to transfer

PHY 007A - General Physics (4.00)



PHYS 2B - General Introductory Physics (5.00)

--- And ---

PHYS 2C - General Introductory Physics (5.00)

- *Complete entire sequence at same institution prior to transfer*

PHY 007B - General Physics (4.00)



PHYS 2B - General Introductory Physics (5.00)

--- And ---

PHYS 2C - General Introductory Physics (5.00)

- *Complete entire sequence at same institution prior to transfer*

PHY 007C - General Physics (4.00)



PHYS 2B - General Introductory Physics (5.00)

--- And ---

PHYS 2C - General Introductory Physics (5.00)

- *Complete entire sequence at same institution prior to transfer*

--- Or ---

PHY 009A - Classical Physics (5.00)



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

PHY 009B - Classical Physics (5.00)



PHYS 4C - Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics (6.00)

PHY 009C - Classical Physics (5.00)



PHYS 4B - Physics for Scientists and Engineers: Electricity and Magnetism (6.00)

RECOMMENDED

EVE 012 - Life in the Sea (3.00)



No Course Articulated

GEL 016 - The Oceans (3.00)



GEOL 20 - General Oceanography (4.00)

END OF AGREEMENT