

# Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

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

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

## Environmental Studies/Biology Combined Major B.A.

### GENERAL INFORMATION FOR ALL MAJORS

All transfer applicants must satisfy University of California admissions eligibility requirements as well as meet campus selection criteria. All admission requirements must be completed by the end of spring prior to transfer. For more information on UC admissions eligibility requirements and admission to UC Santa Cruz, please visit the Admissions website:

<https://admissions.ucsc.edu/attend-ucsc/transfer-students>.

This articulation agreement lists course-to-course, sequence-to-sequence or requirement substitutions for preparation in the major. **Transfer students are strongly encouraged to complete as many major preparatory courses as possible prior to enrolling at UCSC. Completion of all major preparatory courses is not an admissions requirement, but some majors require certain courses to be completed prior to transfer with a specified GPA, and completion or near completion of major preparatory courses will help students move more efficiently toward graduation after transfer.**

UC Santa Cruz Advanced Placement (AP) and International Baccalaureate (IB) credit policies are detailed in the link below:

[UC Santa Cruz AP/IB Chart 2022-2023](#)

### ENVIRONMENTAL STUDIES/BIOLOGY COMBINED MAJOR B.A.

Please visit the department's website to learn more about this major: <https://envs.ucsc.edu>

#### ADMISSIONS SELECTION CRITERIA

To be considered for admission to the Environmental Studies/Biology Combined Major B.A., transfer students must complete equivalents of the following courses by the end of spring term for students planning to enter in the fall, with a C (2.0) or better in these required courses:

BIOE 20C: Ecology and Evolution

BIOL 20A: Cell and Molecular Biology

CHEM 1A: General Chemistry

CHEM 1B: General Chemistry

CHEM 1C: General Chemistry

CHEM 1N: General Chemistry Laboratory

#### **Plus one of the following:**

AM 3: Precalculus for the Social Sciences

AM 11A/ECON 11A: Mathematical Methods for Economists I

AM 11B/ECON 11B: Mathematical Methods for Economists II

MATH 11A: Calculus with Applications

MATH 11B: Calculus with Applications

MATH 19A: Calculus for Science, Engineering, and Mathematics

MATH 19B: Calculus for Science, Engineering, and Mathematics

MATH 22: Introduction to Calculus of Several Variables

MATH 23A: Vector Calculus

#### **Plus one of the following options:**

ENVS 25: Environmental Policy and Economics **OR**

ECON 1: Introductory Microeconomics: Resource Allocation and Market Structure **AND** a course in national or international politics **OR**

ECON 2: Introductory Macroeconomics: Aggregate Economic Activity **AND** a course in national or international politics

Prospective transfer students are encouraged to prioritize required and recommended major preparation, and may additionally complete courses that articulate to UC Santa Cruz general education requirements as time allows.

**THIS IS A SCREENING MAJOR.** For more information about screening major requirements please visit the Admissions website: <https://admissions.ucsc.edu/posts/screening-major-selection-criteria>

## MAJOR PREPARATION COURSES REQUIRED FOR TRANSFER

<b>BIOE 20C</b> - Ecology and Evolution (5.00)	←	<b>BIOL 6C</b> - Ecology and Evolution (6.00) <div>--- Or ---</div> <b>BIOL 6CH</b> - Ecology and Evolution - HONORS (6.00)
<b>BIOL 20A</b> - Cell and Molecular Biology (5.00)	←	<b>BIOL 6B</b> - Cell and Molecular Biology (6.00)
<b>CHEM 1A</b> - General Chemistry (5.00)	←	<div> <b>CHEM 1A</b> - General Chemistry (5.00)  <div>--- And ---</div> <b>CHEM 1B</b> - General Chemistry (5.00)  <div>--- And ---</div> <b>CHEM 1C</b> - General Chemistry and Qualitative Analysis (5.00) </div> <div>--- Or ---</div> <div> <b>CHEM 1AH</b> - General Chemistry - HONORS (5.00)  <div>--- And ---</div> <b>CHEM 1BH</b> - General Chemistry - HONORS (5.00)  <div>--- And ---</div> <b>CHEM 1CH</b> - General Chemistry and Qualitative Analysis - HONORS (5.00) </div>
<b>CHEM 1B</b> - General Chemistry (5.00)	←	<div> <b>CHEM 1A</b> - General Chemistry (5.00)  <div>--- And ---</div> <b>CHEM 1B</b> - General Chemistry (5.00)  <div>--- And ---</div> <b>CHEM 1C</b> - General Chemistry and Qualitative Analysis (5.00) </div> <div>--- Or ---</div> <div> <b>CHEM 1AH</b> - General Chemistry - HONORS (5.00)  <div>--- And ---</div> <b>CHEM 1BH</b> - General Chemistry - HONORS (5.00)  <div>--- And ---</div> <b>CHEM 1CH</b> - General Chemistry and Qualitative Analysis - HONORS (5.00) </div>
<b>CHEM 1C</b> - General Chemistry (5.00)	←	<div> <b>CHEM 1A</b> - General Chemistry (5.00)  <div>--- And ---</div> <b>CHEM 1B</b> - General Chemistry (5.00)  <div>--- And ---</div> <b>CHEM 1C</b> - General Chemistry and Qualitative Analysis (5.00) </div> <div>--- Or ---</div> <div> <b>CHEM 1AH</b> - General Chemistry - HONORS (5.00)  <div>--- And ---</div> <b>CHEM 1BH</b> - General Chemistry - HONORS (5.00)  <div>--- And ---</div> <b>CHEM 1CH</b> - General Chemistry and Qualitative Analysis - HONORS (5.00) </div>

**CHEM 1N** - General Chemistry Laboratory (2.00)



**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)

Select 1 Course from the following

**AM 3** - Precalculus for the Social Sciences (5.00)



**MATH 31** - Precalculus I (5.00)

- UC credit limitation applies; refer to UC-transferability list

--- And ---

**MATH 32** - Precalculus II (5.00)

- UC credit limitation applies; refer to UC-transferability list

--- Or ---

**MATH 31A** - Precalculus I (Part 1) (2.50)

- UC credit limitation applies; refer to UC-transferability list

--- And ---

**MATH 31B** - Precalculus I (Part 2) (2.50)

- UC credit limitation applies; refer to UC-transferability list

--- And ---

**MATH 32** - Precalculus II (5.00)

- UC credit limitation applies; refer to UC-transferability list

--- Or ---

**MATH 31H** - Precalculus I - HONORS (5.00)

--- And ---

**MATH 32H** - Precalculus II - HONORS (5.00)

--- Or ---

**AM 11A** - Mathematical Methods for Economists I (5.00)  
Same-As: ECON 11A



**MATH 12** - Introductory Calculus for Business and Social Science (5.00)

--- Or ---

**AM 11B** - Mathematical Methods for Economists II (5.00)  
Same-As: ECON 11B



No Course Articulated

--- Or ---

**MATH 11A** - Calculus with Applications (5.00)



**MATH 1A** - Calculus (5.00)

--- Or ---

**MATH 1AH** - Calculus - HONORS (5.00)

--- Or ---

<b>MATH 11B</b> - Calculus with Applications (5.00)	←	<b>MATH 1B</b> - Calculus (5.00)
		--- And ---
		<b>MATH 1C</b> - Calculus (5.00)
		--- Or ---
		<b>MATH 1BH</b> - Calculus - HONORS (5.00)
		--- And ---
		<b>MATH 1CH</b> - Calculus - HONORS (5.00)
--- Or ---		
<b>MATH 19A</b> - Calculus for Science, Engineering, and Mathematics (5.00)	←	<b>MATH 1A</b> - Calculus (5.00)
		--- Or ---
		<b>MATH 1AH</b> - Calculus - HONORS (5.00)
--- Or ---		
<b>MATH 19B</b> - Calculus for Science, Engineering, and Mathematics (5.00)	←	<b>MATH 1B</b> - Calculus (5.00)
		--- And ---
		<b>MATH 1C</b> - Calculus (5.00)
		--- Or ---
		<b>MATH 1BH</b> - Calculus - HONORS (5.00)
		--- And ---
		<b>MATH 1CH</b> - Calculus - HONORS (5.00)
--- Or ---		
<b>MATH 22</b> - Introduction to Calculus of Several Variables (5.00)	←	<b>MATH 1C</b> - Calculus (5.00)
		--- And ---
		<b>MATH 1D</b> - Calculus (5.00)
		--- Or ---
		<b>MATH 1CH</b> - Calculus - HONORS (5.00)
		--- And ---
		<b>MATH 1DH</b> - Calculus - HONORS (5.00)
--- Or ---		
<b>MATH 23A</b> - Vector Calculus (5.00)	←	<b>MATH 1D</b> - Calculus (5.00)
		--- Or ---
		<b>MATH 1DH</b> - Calculus - HONORS (5.00)

<b>ENVS 25</b> - Environmental Policy and Economics (5.00)	←	No Course Articulated
--- Or ---		
<b>ECON 1</b> - Introductory Microeconomics: Resource Allocation and Market Structure (5.00)	←	<b>ECON 2</b> - Principles of Microeconomics (4.00)
		--- Or ---
		<b>ECON 2H</b> - Principles of Microeconomics - HONORS (4.00)
--- And ---		
A course in national or international politics	←	<b>POLI 1</b> - American Government and Politics (5.00)
		--- Or ---
		<b>POLI 3</b> - International Relations (4.00)
		--- Or ---
		<b>POLI 5</b> - Introduction to Political Thought and Theory (4.00)
--- Or ---		
<b>ECON 2</b> - Introductory Macroeconomics: Aggregate Economic Activity (5.00)	←	<b>ECON 1</b> - Principles of Macroeconomics (4.00)
		--- Or ---
		<b>ECON 1H</b> - Principles of Macroeconomics - HONORS (4.00)
--- And ---		

A course in national or international politics



**POLI 1** - American Government and Politics (5.00)

--- Or ---

**POLI 3** - International Relations (4.00)

--- Or ---

**POLI 5** - Introduction to Political Thought and Theory (4.00)

### STRONGLY RECOMMENDED ADVANCED PREPARATION COURSES

**BIOE 20B** - Development and Physiology (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 Course from the following

**SOCY 1** - Introduction to Sociology (5.00)



**SOC 1** - Introduction to Sociology (4.00)

--- Or ---

**SOCY 10** - Issues and Problems in American Society (5.00)



**SOC 20** - Social Problems (4.00)

--- Or ---

**SOCY 15** - World Society (5.00)



No Course Articulated

--- Or ---

**ANTH 2** - Introduction to Cultural Anthropology (5.00)



**ANTH 2** - Cultural Anthropology (4.00)

--- Or ---

**ANTH 2H** - Cultural Anthropology - HONORS (4.00)

--- Or ---

**PHIL 22** - Introduction to Ethical Theory (5.00)



**PHIL 8** - Ethics (4.00)

--- Or ---

**PHIL 24** - Introduction to Ethics: Contemporary Moral Issues (5.00)



No Course Articulated

--- Or ---

**PHIL 28** - Environmental Ethics (5.00)



No Course Articulated

--- Or ---

**BME 80G** - Bioethics in the 21st Century: Science, Business, and Society (5.00)  
Same-As: PHIL 80G



No Course Articulated

### ADDITIONAL MAJOR PREPARATION COURSES

**STAT 7** - Statistical Methods for the Biological, Environmental, and Health Sciences (5.00)

--- And ---

**STAT 7L** - Statistical Methods for the Biological, Environmental, and Health Sciences Laboratory (2.00)



No Course Articulated

**PHYS 1A** - Physics for Everyone (5.00)



No Course Articulated

--- Or ---

**PHYS 6A** - Introductory Physics I (5.00)

--- And ---

**PHYS 6L** - Introductory Physics I Laboratory (1.00)



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

--- Or ---

**PHYS 2A** - General Introductory Physics (5.00)

--- Or ---

**PHYS 7A** - Elementary Physics I (5.00)

--- And ---

**PHYS 6L** - Introductory Physics I Laboratory (1.00)



No Course Articulated

**END OF AGREEMENT**