

# 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

## Mathematics, Computational Mathematics Concentration 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](#)

### MATHEMATICS, COMPUTATIONAL MATHEMATICS CONCENTRATION B.A.

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

#### ADMISSION SELECTION CRITERIA

To be considered for admission to the Mathematics B.A. major, transfer students must pass **equivalents** of the following courses by the end of spring term for students planning to enter in the fall:

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

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

MATH 21: Linear Algebra

MATH 23A: Vector Calculus

To obtain equivalency for MATH 23A, transfer students will have taken a course that may also be equivalent to MATH 23B. Students are encouraged to contact the Mathematics department undergraduate adviser to determine if this applies to their situation.

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

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

### MAJOR PREPARATION COURSES REQUIRED FOR TRANSFER

**MATH 19A** - Calculus for Science, Engineering, and Mathematics (5.00)



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

--- Or ---

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

**MATH 19B** - Calculus for Science, Engineering, and Mathematics (5.00)



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

--- And ---

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

--- Or ---

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

--- And ---

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

<b>MATH 21</b> - Linear Algebra (5.00)	←	<b>MATH 2B</b> - Linear Algebra (5.00) --- <b>Or</b> --- <b>MATH 2BH</b> - Linear Algebra - HONORS (5.00)
<b>MATH 23A</b> - Vector Calculus (5.00)	←	<b>MATH 1D</b> - Calculus (5.00) --- <b>Or</b> --- <b>MATH 1DH</b> - Calculus - HONORS (5.00)

ADDITIONAL MAJOR PREPARATION COURSES

<b>MATH 23B</b> - Vector Calculus (5.00)	←	<b>MATH 1D</b> - Calculus (5.00) --- <b>Or</b> --- <b>MATH 1DH</b> - Calculus - HONORS (5.00)
<b>MATH 24</b> - Ordinary Differential Equations (5.00)	←	<b>MATH 2A</b> - Differential Equations (5.00) --- <b>Or</b> --- <b>MATH 2AH</b> - Differential Equations - HONORS (5.00)

END OF AGREEMENT