

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

Biotechnology 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](#)

BIOTECHNOLOGY B.A.

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

ADMISSION SELECTION CRITERIA

To be considered for admission to the Biotechnology B.A. major, transfer students must have completed the following courses or their equivalents with grade of C (2.0) or better in each course:

BIOL 20A: Cell and Molecular Biology

CSE 20: Beginning Programming in Python

STAT 5: Statistics **OR** STAT 7: Statistical Methods for the Biological, Environmental, and Health Sciences **AND** STAT 7L: Statistical Methods for the Biological, Environmental, and Health Sciences Laboratory

Students with a different introductory programming course can still be accepted. Any course with C-ID COMP 112 or C-ID COMP 122 is acceptable. A course teaching Python is preferred even if it does not match either of these C-IDs. CSE 20 can be waived for students who have already completed an upper-division Python programming course.

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

BIOL 20A - Cell and Molecular Biology (5.00)



BIOL 6B - Cell and Molecular Biology (6.00)

CSE 20 - Beginning Programming in Python (5.00)



CIS 40 - Introduction to Programming in Python (4.50)

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CIS 41A - Python Programming (4.50)

STAT 5 - Statistics (5.00)



MATH 10 - Introductory Statistics (5.00)

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MATH 10H - Introductory Statistics - HONORS (5.00)

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

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

--- Or ---

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

ADDITIONAL MAJOR PREPARATION COURSES

BME 5 - Introduction to Biotechnology (5.00)

← No Course Articulated

BME 18 - Scientific Principles of Life (5.00)

← No Course Articulated

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

← No Course Articulated

Same-As: PHIL 80G

BME 80H - The Human Genome (5.00)

← No Course Articulated

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ECE 80B - Engineering Innovations for Medicine and Natural Sciences (5.00)

← No Course Articulated

END OF AGREEMENT