

CERRITOS COLLEGE

BIOLOGY

TRANSFER PREPARATION

IMPORTANT NOTICE: The requirements listed for the major are subject to change without notice. It is the student's responsibility to check for the most recent information with a Cerritos College counselor or by consulting ASSIST at www.assist.org.

NOTE: Courses listed may require prerequisite coursework.

California State Polytechnic University – Pomona

There are six areas of emphasis within the Biology major: "Integrative Biology", "Botany", "Genetics and Molecular Cell Biology", "Microbiology", "Neuroscience and Physiology", and "Zoology"

BIOL	200	Principles of Biology	5
and BIOL	201	Principles of Biology	5
CHEM	111	General Chemistry	5
and CHEM	112	General Chemistry	5
CHEM	211	Organic Chemistry (No upper division credit)	5
ENGL	100	Freshman Composition	4
ENGL	102	Freshman Composition and Literature	3
or ENGL	103	Critical and Argumentative Writing	(4)
or PHIL	106	Introduction to Logic	(3)
MATH	116	Calculus for Managerial, Biological and Social Sciences	4
and Math	140	Trigonometry	3
or MATH	170	Analytical Geometry and Calculus I	(4)
PHYS	101	General Physics	4
PHYS	102	General Physics	4

NOTE: PHYS 201 & 202 may substitute for PHYS 101 & 102.

Cal Poly Pomona has supplemental criteria course requirements for admission. These may become recommended for the Fall, 2023 year. Check with a counselor for details.

BIOL	200	Principles of Biology	5
and BIOL	201	Principles of Biology	5

California State University – Dominguez Hills

CSUDH offers a Biology B.A. degree and a Biology, B.S. degree. There are three options within the Biology B.S. degree: "Cellular & Molecular Biology", "Ecology & Environmental Biology", and "Microbiology".

Bachelor of Science Cellular and Molecular Biology Option

BIOL	200	Principles of Biology	5
and BIOL	201	Principles of Biology	5
CHEM	111	General Chemistry	5
and CHEM	112	General Chemistry	5
MATH	112	Elementary Statistics	4
MATH	170**	Analytical Geometry and Calculus I	4
or MATH	116**	Calculus for Managerial, Biological and Social Sciences	(4)
PHYS	101	General Physics	4
and PHYS	102	General Physics	4

The BA degree requirements are the same as the B.S requirements with the noted exceptions (**)

**Required for B.S. Degree only.

NOTE: PHYS 201 & 202 & PHYS 203 may substitute for PHYS 101 & PHYS 102 for the B.S. Degree.

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California State University – Fullerton

There are five concentrations within the Biological Science Major:

“Cell & Developmental Biology”, “Ecology & Evolutional Biology”, “Marine Biology, Molecular Biology & Biotechnology”, and Plant Biology”.

BIOL	200	General Biology	5
and BIOL	201	General Biology	5
CHEM	111	General Chemistry	5
and CHEM	112	General Chemistry	5
CHEM	211	Organic Chemistry	5
CHEM	212	Organic Chemistry	5
MATH	170	Analytical Geometry and Calculus I	4
and MATH	190	Analytical Geometry and Calculus II	4
PHYS	101	General Physics	4
PHYS	102	General Physics	4

California State University – Long Beach

This CSULB major has “major-specific admission requirements” which means that CSULB will require the specified courses to be completed for admission if a student is not completing an AAT or AST in the major. These criteria will be used for Fall 2022 and Spring 2023 admission consideration. Admission criteria are subject to change for future admission cycles. If a major is highly impacted, it will be noted in the description of each major and additional supplemental criteria and requirements are indicated in the major specific details. See your counselor for more information. Here is the link:

<https://www.csulb.edu/admissions/major-specific-requirements-for-transfer-students>

CSULB will not admit students who have not met the major-specific requirements listed on this website.

GENERAL OPTION

BIOL	200	General Biology	5
and BIOL	201	General Biology	5
CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
CHEM	211	Organic Chemistry	5
and CHEM	212	Organic Chemistry	5
MATH	116	Calculus for Managerial, Biological and Social Sciences	4
or MATH	170	Analytical Geometry and Calculus I	(4)
PHYS	101	General Physics	4
and PHYS	102	General Physics	4

May also take PHYS 201 and PHYS 202 in place of PHYS 101 and PHYS 102.

OPTION IN BIOLOGY EDUCATION

Same major requirements as General Option with added requirements below.

ESCI	110	Introduction to Earth Science	4
or GEOL	101	Physical Geology	(4)
MICR	200	Principles and Applications of Microbiology	5

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OPTION IN MOLECULAR CELL BIOLOGY & PHYSIOLOGY

Same major requirements as General Option.

OPTION IN ORGANISMAL BIOLOGY

Same major requirements as General Option.

NOTE: PHYS 201 & PHYS 202 may substitute for PHYS 101 & PHYS 102 for any of the Biology options offered at CSULB.

California State University – Los Angeles

This CSULA major has “major-specific admission requirements” which are focused on transfer student preparation that predicts success in the major and promotes timely degree completion. The criteria below reflect the current criteria as well as changes that will be used for the Fall 2022 admission cycle. The criteria listed will be reviewed annually for future admission cycles. For Fall term admission, coursework must be completed no later than the prior Spring term. Here is the link: www.calstatela.edu/admissions/major-specific-criteria. The following language appears on the CSULA website at the time of publication: Cal State LA is currently only considering transfer students for Fall 2022 admission. Should additional space be available, Spring 2023 applications may be considered in the future. Check with a counselor for the most up-to-date information.

There are five options available: General Option; Ecology, Evolution, and the Environment (EEE) Option; Microbiology Option; Molecular, Cellular & Developmental (MCD) Biology Option; and Physiology Option.

The requirements are the same for all options with the addition of the Microbiology Option Electives below.

BIOL	200	Principles of Biology	5
BIOL	201	Principles of Biology	5
CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
CHEM	211	Organic Chemistry	5
PHYS	101	General Physics	4
PHYS	102	General Physics	4
Microbiology Option Electives			
A&P	150	Introduction to Human Anatomy	4
or			
A&P	200	Human Anatomy	(5)
A&P	151	Introduction to Human Physiology	4
or			
A&P	201	Human Physiology	(5)

Diversity Requirement (6 units): Please see a counselor or refer to www.assist.org for a list of courses that satisfy this requirement.

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University of California – Irvine

UCI offers a Biological Sciences B.S. degree and a Biology/Education B.S. degree. Major requirements are the same for both degrees.

All applicants must have a cumulative GPA of 3.0 (3.4 for TAG) or higher. Students must also have BIOL 200, BIOL 201; CHEM 111 and CHEM 112; and CHEM 211 and CHEM 212.

See ASSIST.org for important admission details.

BIOL	200	Principles of Biology	5
BIOL	201	Principles of Biology	5
CHEM	111	General Chemistry	5
and CHEM	112	General Chemistry	5
CHEM	211	Organic Chemistry	5
and CHEM	212	Organic Chemistry	5
MATH	170	Analytic Geometry and Calculus I	4
and MATH	190	Analytic Geometry and Calculus II	4
Instead of Math 190 students can take:			
MATH	112	Elementary Statistics	(4)
or MATH	250	Linear Algebra and Differential Equations	(5)
or PSYC	210	Elementary Statistics	(4)
PHYS	201	Engineering Physics	4
and PHYS	202	Engineering Physics	4

University of California – Los Angeles

To be considered for this major, students must complete BIOL 200 and BIOL 201; CHEM 111 and CHEM 112; MATH 170 and MATH 190; at least CHEM 211. CHEM 212 is strongly recommended or at least PHYS 201 and PHYS 202. See ASSIST.org for important admission details.

BIOL	200	Principles of Biology	5
and BIOL	201	Principles of Biology	5
BIOL	201	Principles of Biology	5
and ZOO	120	Introduction to Animal Biology	4
or BIOL	120	Introduction to Biological Science	(4)
and BIOL	200	Principles of Biology	(5)
CHEM	111	General Chemistry	5
and CHEM	112	General Chemistry	5
CHEM	211	Organic Chemistry	5
and CHEM	212	Organic Chemistry	5
MATH	170	Analytic Geometry and Calculus I	4
and MATH	190	Analytic Geometry and Calculus II	4
PHYS	201	Engineering Physics	4
and PHYS	202	Engineering Physics	4
and PHYS	203	Engineering Physics	4

University of California – Riverside

UCR offers a Biology B.A. degree and a Biology B.S. degree. The major requirements are the same for both degrees. Students pursuing a B.A. degree in Biology will also need to complete the equivalent of 4th quarter proficiency (generally 3rd semester) in a language other than English, as part of the breadth requirements for this degree.

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A GPA of at least 2.70 is required (This is a baseline for consideration and not a guarantee of admission). Required for admission is CHEM 111 and CHEM 112; MATH 170 and MATH 190; and one of the sequences listed below.

CHEM	111	General Chemistry	5	
and	CHEM	112	General Chemistry	5
MATH	170	Analytic Geometry and Calculus I	4	
and	MATH	190	Analytic Geometry and Calculus II	4

In addition to the above required courses, students can choose from one of the following sequences:

BIOL	200	Principles of Biology	5	
and	BIOL	201	Principles of Biology	5
OR				
BIOL	201	Principles of Biology	(5)	
and	BOT	120	Introduction to Plant Science	(4)
and	ZOOL	120	Introduction to Animal Biology	(4)
OR				
CHEM	211	Organic Chemistry	(5)	
and	CHEM	212	Organic Chemistry	(5)
or	PHYS	201	Engineering Physics	(4)
and	PHYS	202	Engineering Physics	(4)

IGETC (Intersegmental General Education Transfer Curriculum) is not accepted for majors housed in the College of Natural and Agricultural Sciences. Courses taken for IGETC will be applied to the College's breadth pattern as appropriate. Students pursuing a B.A. degree in Biology will also need to complete the equivalent of 4th quarter proficiency (generally 3rd semester) in a language other than English, as part of the breadth requirements for this degree.