

CERRITOS COLLEGE

CHEMISTRY

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.

California State University – Dominguez Hills

Bachelor of Science degree

CHEM	111	General Chemistry	5
and	CHEM 112	General Chemistry	5
MATH	170	Analytic Geometry and Calculus I	4
MATH	190	Analytic Geometry and Calculus II	4
MATH	225	Analytic Geometry and Calculus III	5
PHYS	201	Engineering Physics	4
and	PHYS 202	Engineering Physics	4
and	PHYS 203	Engineering Physics	4

Biochemistry Option

CHEM	111	General Chemistry	5
and	CHEM 112	General Chemistry	5
MATH	170	Analytic Geometry and Calculus I	4
MATH	190	Analytic Geometry and Calculus II	4
PHYS	101	General Physics	4
and	PHYS 102	General Physics	4

Students completing the Biochemistry Option may take PHYS 101 and 102 instead of PHYS 201 and PHYS 202 and PHYS 203.

California State University – Fullerton

Bachelor of Science

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
and	MATH 225	Analytic Geometry and Calculus III	5
MATH	250	Linear Algebra and Differential Equations	5
PHYS	201	Engineering Physics	4
and	PHYS 202	Engineering Physics	4
and	PHYS 203	Engineering Physics	4

Biochemistry B.S.

BIOL	201	Principles of Biology	5
CHEM	111	General Chemistry	5

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11110 Alondra Blvd., Norwalk, CA 90650

CERRITOS COLLEGE

CHEMISTRY

Transfer Preparation

Biochemistry B.S. (cont.)

and CHEM	112	General Chemistry	5
MATH	170	Analytic Geometry and Calculus I	4
and MATH	190	Analytic 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 apply for Fall 2022 and Spring 2023 admission consideration and are subject to change for future admission cycles. In addition, other admission criteria may apply. See your counselor for details. Here is the link:

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

Bachelor of Science

BIOL	200	Principles of Biology	5
and BIOL	201	Principles of Biology	5
OR			
A&P	120	Introduction to Human Anatomy & Physiology	4
or A&P	151	Introduction to Human Physiology	(4)
or A&P	201	Human Physiology	(5)
or BIOL	120	Introduction to Biological Science	(4)
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
MATH	190	Analytic Geometry and Calculus II	4
MATH	225	Analytic Geometry and Calculus III	5
PHYS	201	Engineering Physics	4
PHYS	202	Engineering Physics	4

Biochemistry 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
CHEM	211	Organic Chemistry	5
and CHEM	212	Organic Chemistry	5

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CHEMISTRY

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Biochemistry Option (cont.)

MATH	170	Analytic Geometry and Calculus I	4
MATH	190	Analytic Geometry and Calculus II	4
PHYS	201	Engineering Physics	4
PHYS	202	Engineering Physics	4

California State University – Los Angeles

CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
CHEM	211	Organic Chemistry	5
MATH	170	Analytic Geometry and Calculus I	4
MATH	190	Analytic Geometry and Calculus II	4
MATH	225	Analytic Geometry and Calculus III	5
MATH	250	Linear Algebra and Differential Equations	5
PHYS	201	Engineering Physics	4
PHYS	202	Engineering Physics	4

All Cal State LA majors have "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 will be used for Fall 2022 admission.** The criteria listed will be reviewed annually for future admission cycles. For Fall 2022 admission, coursework must be completed no later than Spring 2022. Be Aware: 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.

The criteria can be found at:

<https://www.calstatela.edu/admissions/major-specific-criteria>

Biochemistry Major

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
CHEM	212	Organic Chemistry	5
MATH	170	Analytic Geometry and Calculus I	4
MATH	190	Analytic Geometry and Calculus II	4
PHYS	201	Engineering Physics	4
PHYS	202	Engineering Physics	4

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CERRITOS COLLEGE

CHEMISTRY

Transfer Preparation

California State Polytechnic University – Pomona

Bachelor of Science in Chemistry

BIOL	200	Principles of Biology	5
CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
CHEM	211	Organic Chemistry (no upper division credit)	5
CHEM	212	Organic Chemistry (no upper division credit)	5
MATH	170	Analytic Geometry and Calculus I	4
MATH	190	Analytic Geometry and Calculus II	4
PHYS	201	Engineering Physics	4
PHYS	202	Engineering Physics	4

Math 170, 190, Chem 111 and 112 are major-specific requirements for admissions to Cal Poly Pomona but may become recommended for Fall, 2023. Check with a counselor for details.

University of California – Irvine

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
MATH	190	Analytic Geometry and Calculus II	4
MATH	225	Analytic Geometry and Calculus III	5
PHYS	201	Engineering Physics	4
and PHYS	202	Engineering Physics	4

University of California – Los Angeles

Bachelor of Science, Chemistry

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
MATH	190	Analytic Geometry and Calculus II	4
MATH	225	Analytic Geometry and Calculus III	5
MATH	250	Linear Algebra and Differential Equations	4
PHYS	201	Engineering Physics	4
and PHYS	202	Engineering Physics	4
and PHYS	203	Engineering Physics	4

NOTE: For admissions, students are required to complete Chem 111 and 112, Chemistry 211; MATH 170, MATH 190, MATH 225, and MATH 250; PHYS 201.

CERRITOS COLLEGE

CHEMISTRY

Transfer Preparation

Bachelor of Science, Biochemistry

BIOL	200	Principles of Biology	5
and	BIOL 201	Principles of Biology	5
BIOL	201	Principles of Biology	5
and	ZOOL 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
MATH	190	Analytic Geometry and Calculus II	4
MATH	225	Analytic Geometry and Calculus III	5
PHYS	201	Engineering Physics	4
and	PHYS 202	Engineering Physics	4
and	PHYS 203	Engineering Physics	4

CAREER OPPORTUNITIES:

Chemistry graduates with their Bachelor's Degrees qualify for graduate studies in Chemistry or Biochemistry. Chemistry graduates find rewarding careers in teaching, medicine, pharmacy, forensic science and industrial and governmental scientific endeavors.

See State University General Education or IGETC List.