



Cerritos College

CHEMISTRY

Transfer Preparation

COMMON LOWER DIVISION MAJOR PREPARATION FOR CALIFORNIA STATE UNIVERSITY AND UNIVERSITY OF CALIFORNIA

			UNITS
CHEM	111	General Chemistry	5
CHEM	112	General 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

ADDITIONAL LOWER DIVISION MAJOR PREPARATION FOR SPECIFIC TRANSFER INSTITUTIONS

California State University – Dominguez Hills*

*for Bachelor of Arts degree

PHYS	203	Engineering Physics	4
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for Bachelor of Science degree.

MATH	225	Analytic Geometry and Calculus III	5
PHYS	203	Engineering Physics	4

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

California State University – Fullerton Bachelor of Art

Students completing the Bachelor of Arts degree may take PHYS 101 and PHYS 102 instead of PHYS 201+202+203.

Bachelor of Science

MATH	225	Analytic Geometry and Calculus III	5
MATH	250	Linear Algebra and Differential Equations	5

California State University-Long Beach

Suggested wording for Major-Specific Criteria for CSULB

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 spring, 2018 admission consideration only;

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admission criteria are subject to change for future admission cycles. In addition, other admission criteria may apply. See your counselor for details. Here is the link:

<http://web.csulb.edu/depts/enrollment/admissions/transfer-major-criteria/index.html>.

Bachelor of Arts

CHEM	211	Organic Chemistry	5
CHEM	212	Organic Chemistry	5

Bachelor of Science

A&P	120	Introduction to Human Anatomy & Physiology	4
<i>or</i> A&P	151	Introduction to Human Physiology	(4)
<i>or</i> A&P	201	Human Physiology	(5)
<i>or</i> BIOL	120	Introduction to Biological Science	(4)
<i>or</i> BIOL	200	Principles of Biology	(5)
<i>and</i> BIOL	201	Principles of Biology	5
CHEM	211	Organic Chemistry	5
CHEM	212	Organic Chemistry	5
MATH	225	Analytic Geometry and Calculus III	5
Students are also advised to take one or more additional courses in Mathematics			
MATH	250	Linear Algebra and Differential Equations	5

Biochemistry Option

BIOL	200	Principles of Biology	5
BIOL	201	Principles of Biology	5
CHEM	211	Organic Chemistry	5
CHEM	212	Organic Chemistry	5

California State University-Los Angeles

ENGL	103	Critical and Argumentative Writing	3
CHEM	211	Organic Chemistry	5
CHEM	212	Organic Chemistry	5
MATH	225	Analytic Geometry and Calculus III	5
MATH	250	Linear Algebra and Differential Equations	4

California State Polytechnic University – Pomona

Bachelor of Science

BIOL	200	Principles of Biology	5
CIS	180	Programming in C/C++	3
MATH	250	Linear Algebra and Differential Equations	4

UC TRANSFER PATHWAYS

If you're starting out at a California community college and know which major you want to study but haven't decided which UC campuses to apply to, you can follow the UC Transfer Pathways to keep your options open as you prepare for your major. These Pathways provide a single set of courses you can take to prepare for your major on any of the nine UC

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undergraduate campuses. The pathways guide students who want to make themselves competitive across the UC system; some UC campuses may want fewer courses for admission, but none will expect more. Here is the link:

<http://admission.universityofcalifornia.edu/transfer/preparation-paths/index.html>.

University of California – Irvine

CHEM	211	Organic Chemistry	5
CHEM	212	Organic Chemistry	5
MATH	225	Analytic Geometry and Calculus III	5

University of California – Los Angeles

CHEM	211	Organic Chemistry	5
CHEM	212	Organic Chemistry	5
MATH	225	Analytic Geometry and Calculus III	5
MATH	250	Linear Algebra and Differential Equations	4
PHYS	203	Engineering Physics	4

University of California – Riverside*

*for a Bachelor of Science Degree

CHEM	211	Organic Chemistry	5
CHEM	212	Organic Chemistry	5
MATH	225	Analytic Geometry and Calculus III	5
MATH	250	Linear Algebra and Differential Equations	4
PHYS	203	Engineering Physics	4

NOTE: For selection and in order to substitute it for UCR's upper division organic chemistry requirement, students are required to earn "B" grades or higher in lower division organic chemistry. IGETC is not accepted for majors housed in the College of Natural and Agricultural Sciences. Transfer students are encouraged to follow the College of Natural and Agricultural Sciences breadth pattern as outlined on www.assist.org.

*for Bachelor of Arts Degree

CHEM	211	Organic Chemistry	5
CHEM	212	Organic Chemistry	5
MATH	225	Analytic Geometry and Calculus III	5
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.

IMPORTANT NOTICE: The requirements listed for 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.

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ASSIST

How to use **ASSIST** to find your major preparation for CSU/UC:

1. *Log on:* www.assist.org
2. *Select an Institution:* select "Cerritos College" or other community college from pull-down menu
3. *Select:* "Type of Transfer Institution" such as "UC Los Angeles"
4. *Select a major from pull-down menu*
Report will show the university courses on the left and comparable community college classes on the right.
5. *PRINT:*-print by clicking on gold "**PRINT THIS REPORT**" button on top. Then use the **ASSIST** screen menu on the top toolbar or click on the printer icon that will appear at the bottom of the page.

How to use **ASSIST** to explore the majors available at University of California and California State University campuses

- Click on "EXPLORE MAJORS"

How to use **ASSIST** to figure out whether courses from the community college are transferable to the CSU/UC.

- Select the community college of interest (Cerritos College)
- Select either CSU transferable courses or UC Transferable courses
- Select a department for the courses in question

*USC Articulation available at:

www.usc.edu/articulation and *Select:* "TRANSFER PLANNING GUIDE."

IMPORTANT:

Students are advised to contact a Cerritos College counselor for more information & for details regarding other transfer agreements & options not available on ASSIST. Students can stop by the counseling desk to make an appointment or call (562) 467-5231.



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