



Cerritos College

BOTANY

Transfer Preparation

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

			UNITS
BIOL	200	Principles of Biology	5
CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5

ADDITIONAL LOWER DIVISION MAJOR PREPARATION FOR SPECIFIC TRANSFER INSTITUTIONS

California State Polytechnic University – Pomona

Plant Science and Biology: Botany

(Plant Science)

MATH	112	Elementary Statistics	4
or PSYC	210	Elementary Statistics	(4)

(Biology: Botany)

BIOL	201	Principles of Biology	5
CHEM	211	Organic Chemistry	5
CHEM	212	Organic Chemistry	5
ENGL	100	Freshman Composition	4
ENGL	102	Freshman Composition and Literature	3
or ENGL	103	Critical and Argumentative Writing	(3)
or PHIL	106	Introduction to Logic	(3)
HED	100	Contemporary Health Problems	3
or PSYC	101	General Introductory Psychology	(3)
or PSYC	150	Personal and Social Adjustment	(3)
or PSYC	241	Introduction to Psychobiology	(3)
MATH	112	Elementary Statistics	4
or PSYC	210	Elementary Statistics	(4)
MATH	116	Calculus for Managerial, Biological and Social Sciences	4
MICR	200	Principles and Applications of Microbiology	5
PHYS	101	General Physics	4
PHYS	102	General Physics	4

University of California – Riverside (Plant Biology B.A. or B.S.)

Four options: (1) Plant Cellular Molecular and Developmental Biology; (2) Plant Genetics, Breeding, and Biotechnology; (3) Ecology, Evolution, and Systematics; (4) Plant Pathology, Nematology, and Pest Management.

BIOL	201	Principles of Biology	5
------	-----	-----------------------	---

REVISED SPRING 2016

Transfer Preparation

<i>or</i> BOT	120	Introduction to Plant Science	4
<i>and</i> ZOOL	120	Introduction to Animal Biology	4
CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
CHEM	211	Organic Chemistry	5
CHEM	212	Organic Chemistry	5
MATH	170	Analytical Geometry and Calculus I	4
MATH	190	Analytical Geometry and Calculus II	4
PHYS	201	Engineering Physics	4
PHYS	202	Engineering Physics	4
PHYS	203	Engineering Physics	4

Students working towards the B.A. degree are encouraged to complete the foreign language breadth requirement prior to transfer. This requirement is 3rd semester proficiency in one foreign language.

The 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.

NOTE: UC Riverside also offers a **Plant Biology** track under Biological Sciences using the above major preparation requirements.

CAREER OPPORTUNITIES:

Bachelor's degree programs with an emphasis in Botany are designed to qualify the student for graduate study in the field; for teaching through the high school level; for applied work with Federal, State park, forestry and agricultural services, and with private industry.

See State University General Education 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.

REVISED SPRING 2016

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) 860-2451 ext. 2231.