

AA: Chemistry Education

Las Positas College has partnered with CSU East Bay to develop a seamless academic transition for students who wish to pursue a teaching career in either Chemistry, Biochemistry, or Biology. Students complete core lower-division requirements at Las Positas, then transfer to CSU East Bay for upper division coursework. Student to see a counselor to develop a comprehensive Student Educational Plan (SEP). There are four options for Chemistry or Biology students:

SEMESTER 1 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
MATH 39 (Trigonometry)	4	MATH 55 or 55B or 55Y (Pre-Requisite)	Fall, Spring & Summer
BIO 30 (Introduction to College Biology)	4	MATH 65 and Eligibility for ENG 1A (Strongly Recommended)	Fall, Spring & Summer
ENG 1A (Critical Reading and Composition)	3	ENG 104 or ENG 105 with a "Pass" or ESL 25 or equiv course or appropriate skill level demonstrated through the ENG assessment process (Pre-Requisite)	Fall, Spring & Summer
General Education Course (Kinesiology)	1		Fall, Spring & Summer
SEMESTER TOTAL	12		

SEMESTER 2 - SPRING

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
MATH 20 (Pre-Calculus Mathematics)	5	MATH 39 (Pre-Requisite)	Fall, Spring & Summer
CHEM 31 (Introduction to College Chemistry)	4	Math 55 or 55B or 55Y (Pre-Requisite)	Fall, Spring & Summer
ENG 4 (Critical Thinking and Writing about Literature) OR ENG 7 (Critical Thinking and Writing)	3	ENG 1A (Pre-Requisite)	Fall, Spring & Summer
SEMESTER TOTAL	12		

SEMESTER 3 - SUMMER

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
General Education Course (Humanities and American Cultures)	3		Fall, Spring & Summer
General Education Course (American Institutions)	3		Fall, Spring & Summer
SEMESTER TOTAL	6		

SEMESTER 4 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
MATH 1 (Calculus I)	5	MATH 20 (Pre-Requisite)	Fall, Spring & Summer
CHEM 1A (General College Chemistry I)	5	MATH 55 or 55B or 55Y and CHEM 31. The CHEM 31 prerequisite can be fulfilled by demonstrating the appropriate skill level in the CHEM Placement Process (Pre-Requisite)	Fall, Spring & Summer
General Education Course (Social & Behavioral Science)	3		Fall, Spring & Summer
SEMESTER TOTAL	13		

SEMESTER 5 - SPRING

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CHEM 1B (General College Chemistry II)	5	CHEM 1A (Pre-Requisite)	Fall, Spring & Summer
MATH 2 (Calculus II)	5	MATH 1 (Pre-Requisite)	Fall, Spring & Summer
General Education Course (Wellness- Areas of Health)	3		Fall, Spring & Summer
SEMESTER TOTAL	13		

SEMESTER 7 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CHEM 12A (Organic Chemistry I)	5	CHEM 1B (Pre-Requisite)	Fall
PHYS 2A (Introduction to Physics I)	4	MATH 20, MATH 38 OR MATH 39 (Pre-Requisite)	Fall
SEMESTER TOTAL	9		

SEMESTER 8 - SPRING

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
CHEM 12B (Organic Chemistry II)	5	CHEM 12A (Pre-Requisite)	Spring
PHYS 2B (Introduction to Physics II)	4	PHYS 2A (Pre-Requisite)	Spring
SEMESTER TOTAL	9		
Total Major Coursework	42		
Total Units Required (Minimum)	60		

NOTE: Completion of LPC's General Education Pattern for Associate in Arts Degree is required.

Last Updated: 12/15/16