

# ASSESSMENT PLAN: BS Biochemistry

Date Updated: 11/21/2018

## PROGRAM MISSION

[CSUEB Missions, Commitments, and ILOs, 2012](#)

## PROGRAM LEARNING OUTCOMES (PLOs)

Students graduating with a BA in Chemistry will be able to:

	demonstrate knowledge in the various area of chemistry, including inorganic chemistry, analytical chemistry, organic chemistry, physical chemistry, and biochemistry

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	demonstrate effective use and integration of ideas, methods, theory and practice in a specialized discipline of study/
	C+EM , -1 Physical Chemistry C+EM . .2 Biochemistry II C+EM . . , Biochemistry Lab I
	Model the time-dependence of the evolution of chemical systems using the tools of chemical kinetics/ Thermodynamics, -13
	Embedded Questions
	Final Exam
	Quantitative, report to include proportion of students in each level 06, 2-6, -06, 7-6, 1006 correct for each (question)
	Course Instructors, Assessment Report
	Fall 2017, Spring 2020
	Internal assessment of results with planning to address shortcomings
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	C+EM , , 2 Organic Chemistry II C+EM . . , Biochemistry Lab I
	safely carry out standard laboratory techniques (uses for the purification of organic compounds, including distillation, recrystallization, column chromatography, thin layer chromatography, and extraction/
	Read and Parse Safety Data Sheets SDS
	related laboratory assignments, Laboratory Reports Surveys
	Qualitative quantitative assessment of laboratory safety performance on safety related assignments
	Course instructors, Assessment Report
	Spring 2021
	Internal assessment of results with planning to address shortcomings
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	communicate ideas, perspectives, and values clearly and persuasively while listening only to others
	C+EM , , 2 Organic Chemistry II C+EM . . , Biochemistry Lab I
	Upon successful completion of this course, students will be able to communicate statistical concepts clearly and appropriately to others/
	Write a report to communicate biochemical concepts as illustrated by

