

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
	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

