



ALAMO
COLLEGES

PALO ALTO COLLEGE

AS Chemistry

Natural Sciences Degrees

#1	AS Chemistry Degree Student Learning Outcome The student will apply the scientific method to solve problems associated with chemistry.
	Chemistry 1311, 1312, 2323, and 2325
	Assessment Measure for this Outcome Performance on departmental final exam questions in general and organic chemistry
	Achievement Target for this Measure 70% performance
	Findings
	Related Action Plans Create a test blue print for the final with specific items addressing this outcome.
#2	AS Chemistry Degree Student Learning Outcome The student will maintain records and communicate scientific principles clearly and concisely
	Chemistry 1111, 1112, 2223, and 2225
	Assessment Measure for this Outcome Evaluation of laboratory notebooks using standardized rubric and performance on formal lab reports at the end of each semester.
	Achievement Target for this Measure 70% performance
	Findings



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	Related Action Plans
#3	AS Chemistry Degree Student Learning Outcome The students will use modern laboratory techniques and instrumentation to gather data on scientific problem and use this data to draw conclusions and formulate scientific hypotheses.
	Chemistry 1111,1112,2223, 2225
	Assessment Measure for this Outcome Performance on various laboratory reports and departmental lab final.
	Achievement Target for this Measure Achieve at least 70% on lab reports and departmental lab final
	Findings
	Related Action Plans Create a rubric for assessing the lab reports that allows for measurement of this outcome. Create item blue prints for the departmental lab final that will assess this outcome.