

Department of Chemistry

Bachelor of Science in Chemistry

National Standards	Program Review	Learning Outcomes	Where are learning outcomes published?	Assessment Measurement Tools	Criteria for Success	Data Collected Over Time Period	Findings from Data Collection	Resulting Program Changes
American Chemical Society (ACS)	1995-96 and 2004-05	1. TEACH: To give students a broad understanding and detailed knowledge of chemistry	Catalog Syllabi Website	Nationally-normed ACS exams	Department's means will be at or above the national mean on each exam	2003-06 yearly	General Chemistry exam scores meet the goal. Other exams require more detailed analysis or do not have a statistically significant sample yet.	Continue administering the test and collecting data. Carefully monitor ACS curricular recommendations for suggested changes.
		2. SHAPE: To Help students grow and mature as professionals through extensive laboratory work, through serving as teaching assistants, and as research collaborators	Catalog Syllabi Website	Instrument proficiency tests	All students will demonstrate the capacity to use a core set of instruments. 50% will be certified by the faculty as expert users	2004-06 yearly	The goal has been met but the department continues to acquire new instruments.	Continue training students on new and replacement instruments.
				Undergraduate Research projects	50% of graduates will have done a undergraduate research project	2004-06 yearly	The goal has been met.	None now. Use all assessment data in next program review.
				Present research at professional meetings	75% will attend at least one professional meeting. 50% will present at such meetings	2004-06 yearly	The goal has been met.	None now. Use all assessment data in next program review.
		3. SEND: Students will join the strong cohort of department alumni in positions of responsibility and authority	Catalog Syllabi Website	Alumni tracking for the six years	At least 75% will gain admission to graduate or professional school or enter a chemistry related profession	2000-06 yearly	The goal has been met.	None now. Use all assessment data in next program review.