



# Annual Assessment Report for Academic Programs

The University Assessment Team advocates for the enhancement of student learning through purposeful, meaningful, and feasible student-outcomes assessment practices. The Assessment Team seeks to collaborate with programs, departments, and units to ensure that effective assessment of student learning occurs across the University. To assist in meeting this goal, the Team requests that you complete this Annual Assessment Report form to document student learning in your program. A PDF version of this completed form will be posted to the Academic Affairs Assessment website. Please note that this Annual Assessment Report form should only be completed after you have an Assessment Plan for Academic Programs forms on file with the University Assessment Team. The plan is completed once and only updated when revisions have been made to components of the plan.

**1. Degree Level and Program Name:** BA and BS Chemistry, BS Biochemistry

**2. College/School:** College of Engineering & Science

**3. Assessment Overview** - Briefly share how student learning outcomes assessment is conducted within your program/department (e.g. number of outcomes, examples of assignments used, and frequency of assessment).

The BA/BS Chemistry and BS Biochemistry programs are comprised of eight (8) total shared learning outcomes and two (2) which only apply to the BS Biochemistry degree, with approximately three (3) outcomes assessed each year. Faculty assess student learning outcomes using direct measures from: a major's exit exam and embedded assignments (e.g. exams, quizzes, projects, lab reports, oral presentations all using rubrics).

**4. Student Learning Outcomes** -Which student learning outcome(s) from the assessment plan filed with the University Assessment Team is/are being reported on in this report? Include the corresponding benchmark(s) for each outcome.

SLO 2: Use appropriate standard laboratory equipment and instrumentation to conduct an experiment, including recognizing the value and limitations of modern methods of analysis based on knowledge of instrument design and applicable calibration methods; SLO 3: Design, perform, record, and analyze results from chemical experiments (interpret data qualitatively, quantitatively, and statistically, including error analysis); SLO 4: Communicate effectively about chemistry verbally and in writing.



**Institutional Outcomes** - For which institutional