

## Program-Level Assessment: Annual Report

Program Name (no acronyms): BA Biochemistry

Department: Chemistry

Degree or Certificate Level: Undergraduate

College/School: School of Science and Engineering

Date (Month/Year): September 2023

Assessment Contact: Rob Perkins  
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In what year was the data upon which this report is based collected? 2021-23 (3 year cycle) and 2018-23 (all time)

In what year was the program's assessment plan most recently reviewed/updated? 2023

Is this program accredited by an external program/disciplinary/specialized accrediting organization or subject to state/licensure requirements? No

### 1. Student Learning Outcomes

Which of the program's student learning outcomes were assessed in 2023?

We are currently in year 3 of our 3 year assessment cycle, which focuses on Research-related SLOs.

All of this program's student learning outcomes were assessed during Years 1-2. Year 3 focuses on learning outcomes that are specific to our BS programs, and thus not relevant to the BA degree.

### 2. Assessment Methods: Artifacts of Student Learning

Which artifacts of student learning were used to determine if students achieved the outcome(s)? Please describe the artifacts in detail, identify the course(s) in which they were collected, and if they are from program majors/graduates and/or other students. Clarify if any such courses were offered a) online, b) at the Madrid campus, or c) at any other off-campus location.

n/a

### 3. Assessment Methods: Artifacts of Student Learning

Does achievement differ by location?  
campus, Madrid campus, other off -

n/a

### 5. Findings: Interpretations & Conclusions

What have you learned from these results? What does the data tell you?

B. How specifically have you decided to use these findings to improve teaching and learning in your program? For example, perhaps you've initiated one or more of the following:

Changes to the Curriculum or Pedagogies

- Course content
- Teaching techniques
- Improvements in technology
- Prerequisites

- Course sequence
- New courses
- Deletion of courses
- Changes in frequency or scheduling of course offerings

Changes to the Assessment Plan

- Student learning outcomes
- Artifacts of student learning
- Evaluation process

- Evaluation tools (e.g., rubrics)
- Data collection methods
- Frequency of data collection

Please describe the actions you are taking as a result of these findings.

n/a

If no changes are being made, please explain why.

n/a

## 7. Closing the Loop: Review of Previous Assessment Findings and Changes

A. What is at least one change your program has implemented in recent years as a result of previous assessment data?

While the program has implemented several changes in recent years as a result of previous assessment data, the most significant change was the implementation of a new course sequence in 2018. This change was based on the findings of a previous assessment that identified a need for more advanced courses in the program. The new course sequence includes a new course that is more challenging and provides a better learning experience for students. This change has resulted in improved student learning outcomes and a higher level of student satisfaction.