

Program-Level Assessment: Annual Report

Program Name (no acronyms): Chemical Biology

Department: Chemistry

Degree or Certificate Level: MS

College/School: College of Arts & Sciences

Date (Month/Year): August 202

What process was used to evaluate the artifacts of student learning, and by whom? Please identify the tools(s) (e.g., a rubric) used in the process and **include them in/with this report document** (do not just refer to the assessment plan).

Data was collected by mentors and is summarized on the attached spreadsheet. The rubrics used for source data are attached as well.

Data was analyzed by the Chemical Biology Program Coordinator and reported to department faculty for feedback.

4. Data/Results

What were the results of the assessment of the learning outcome(s)? Please be specific. Does achievement differ by teaching modality (e.g., online vs. face-to-face) or on-ground location (e.g., STL campus, Madrid campus, other off-campus site)?

For Outcome 1: 4 of 6 students exceeded expectations and 2 of 6 students met expectations on the CHEB 5630 literature presentation. 5 of 5 students exceeded expectations on the CHEM 5470 research paper rubric. For the MS thesis rubric, 1 of 2 students exceeded expectation and 1 of 2 students met expectations on the "background knowledge" section.

For Outcome 3: 3 of 5 students exceeded expectations and 2 of 5 students met expectations on the CHEM 5470 final exam score. 1 of 6 students exceeded expectations and 5 of 6 students met expectations on the CHEB 5630 final cumulative exam score.

It should be noted that this is the fourth year of the program and the number of MS students is small, which may skew the results.

5. Findings: Interpretations & Conclusions

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

Based on our analysis, our MS students are meeting or exceeding expectations.

6. Closing the Loop: Dissemination and Use of Current Assessment Findings

A. When and how did your program faculty share and discuss these results and findings from this cycle of assessment?

The results of the assessment were shared with the full faculty via email. The collection and analysis of the data was completed just prior to finalizing this report. The data and the first draft of this report was shared with the instructors of the courses related to the above outcomes.

B. How specifically have you decided to use these findings to improve teaching and learning in your program? For

There are no major concerns since all of our students are meeting or exceeding expectations.

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 assessment data?

B. No specific changes to the program have been made as this is only the third year of the program.

C. How has this change/have these changes been assessed?

n/a

D. What were the findings of the assessment?

n/a

E. How do you plan to (continue to) use this information moving forward?

All data will be collected annually so that we can assess larger sample sizes (3 years' worth of data) in the coming years when the outcome(s) are scheduled for review.

IMPORTANT: Please submit any assessment tools (e.g., rubrics) with this report as separate attachments or copied and pasted into this Word document. Please do not just refer to the assessment plan; the report should serve as a stand-alone document.

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