

Annual Academic Assessment Report
Department of Geosciences (GEOS)
BS Earth Science (ERSCBS)
May 2024

Report annually to the Dean of the college/school the following:

- **Results of analysis of assessment of Student Learning Outcome**
 - Assessment and analysis of pre- and post-test results will be reported in a separate report related to Geosciences Core Course Assessments. There has been little change in the results of these tests over the past few years and are primarily focused on the introductory GEOS 1133 Earth Science general elective course.

- **Graduation numbers 2023-2024**
 - As of 15 May 2024, official graduation numbers for the 2023-2024 academic year are not yet available from the Office of Strategic Analytics and Insights; a total of 8 students graduated from ERSCBS during the 2022-2023 academic year.

- **Any changes to degree/certificate planned or made on the basis of the assessment and analysis**
 - The curriculum committee and GEOS faculty submitted for UA approval a new EARSCBS program to align it better with emerging career and research tracks related to the environment, natural hazards, Earth's climate, and sustainability. These changes were designed after discussions with current and former students, as well as faculty discussions. We see an opportunity to target a diverse population who may be interested in topics such as environmental justice and climate change. The updated program builds on Geosciences

strengths in surface processes (e.g., geomorphology, hydrology, sedimentology), climate, geographic information systems, and big data. With the program change, we will shift and rename certain existing GEOS courses to align with the updated program, including adopting GEOS 4693 Environmental Justice as the capstone for the ERSCBS major and splitting the 6-hour Geology Field Camp into two 3-hour field camps with GEOS 3673 Environmental Field Methods required for ERSCBS students. We anticipate this update to be approved and available for students starting Fall 2024.

- **Any changes to the assessment process made or planned.**
 - GEOS 4693 Environmental Justice was used as an alternate capstone for ERSCBS in Fall 2024 and will be reported with the Geosciences Core Course Assessments once adopted officially with the new curriculum.