

Annual Academic Assessment Report

Bachelor of Arts in Computer Science (CSCEBA)

Student Learning Outcomes:

- a. An ability to apply knowledge of computing and mathematics appropriate to the discipline.
- b. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
- c. An ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs.
- e. An understanding of professional, ethical, legal, security and social issues and responsibilities.
- f. An ability to communicate effectively with a range of audiences.

Assessment and Evaluation: AY 2022-2023 The Undergraduate Studies Committee (USC) in the Department of Electrical Engineering and Computer Science (EECS) evaluated Student Learning Outcome assessments. Because of the merger of the Department of Computer Science and Computer Engineering (CSCE) and the Department of Electrical Engineering (EECS), the results were not discussed at the annual faculty meeting, held August 16, 2023. They will be presented at a future meeting in the Fall 2023. The results of the analysis include the following:

- **Outcome a:**
 - The outcome measured in courses indicates students are achieving the Outcome at the desired target level.
- **Outcome b:**
 - The outcome measured in courses indicates students are achieving the Outcome at the desired target level.
- **Outcome c:**
 - The outcome measured in courses indicates students achieved the Outcome at the desired target level in Spring 2023 but not in Fall 2022.
 - Students are not starting to work on the projects early enough. Propose to faculty to have students submit partial solutions prior to the final due date. Example: Have students hand in code after one week for a two-week project. In addition, TA could hold additional tutorial sessions.

- **Outcome e:**
 - The outcome measured in courses indicates students are achieving the Outcome at the desired target level.
- **Outcome f:**
 - The outcome measured in courses indicates students are achieving the Outcome at the desired target level.

Changes to the Degree Program – Planned or Considered

There are no changes to the BA in Computer Science degree program planned or considered based on the assessment and evaluation process. However, the program is now under a new merger of the Department of Computer Science and Computer Engineering (CSCE) and the Department of Electrical Engineering (ELEG) into the new Department of Electrical Engineering and Computer Science (EECS) that officially began August 14, 2023. This is an organizational change and for now degree programs will not be changed, although we anticipate there may be changes in the future.

Changes to the Assessment Process – Planned or Completed

Data related to Outcome c., an ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs, will be collected and reviewed in Fall 2023 to further analyze students' apparent difficulty in design of programs.