B.S. Computer Science

Annual Program Report Template

Year:	2022 - 2023
Program:	BS Computer Science
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Summary of Continuous Improvement Efforts since Last Report

Provide a brief description of how assessment results have been used for program improvement. Point to a specific example of how an assessment provided the program with data it could use for improvement and what that improvement was, if possible, also show evidence of the improvement. You may look at data from the two previous academic years to support this case.

Respond here:

The department Assessment committee met July 7, 2023, after members had reviewed all assessment data collected for the previous year including the feedback from the annual spring department Advisory Board meeting. Meeting minutes are listed in Appendix J of the annual ABET report for the program dated July 7, 2023.

The following improvement efforts have been made:

- 1. Revised and enhanced the Computer Science undergraduate program catalog to provide accurate and up-to-date program information. The catalog now reflects the latest curriculum requirements, course offerings, and any recent program updates. This ensures that students have access to the most reliable and relevant information when making decisions about their academic path.
- 2. Updated and improved the Computer Science undergraduate course descriptions to include precise and comprehensive course information, which now provides detailed content, objectives, and prerequisites of each course, allowing students to make well-informed decisions when selecting their courses and aligning their academic interests and goals with the courses that best suit their needs.
- 3. Strengthened the syllabi of undergraduate-level courses to enhance rigor and highlight the differences in learning outcomes and objectives between 1000-level and 4000-level courses. By aligning the syllabi with the requirements of SACSCOC, the curriculum now ensures a progressive and coherent learning experience for students as they progress through the different levels of courses. This improvement emphasizes the increasing complexity and depth of knowledge as students advance in their studies.
- 4. Developed and revised six undergraduate-level AP courses. The revised AP courses align with current industry standards and incorporate the latest advancements in the field. By offering these courses, we aim to better prepare students for the rigors of higher education.

Overall, these improvement efforts can enhance the educational experience of Computer Science students. By ensuring accurate program and course

The following improvement will take effect in the 2023-2024 academic year.

- 5. Since our assessment did not meet the direct target for criteria 2.5.1, we discussed this with the instructor of the course involved. The instructor has agreed to put a plan in place to update the course content accordingly. We will reevaluate next year to see if this action plan was successful.
- 6. Since our assessment did not meet the direct targets all three criteria in Outcome 2.7, we discussed this with the instructor of the course involved. The instructor agreed to go into more detail on the appropriate content in the course and perform additional review with students during the course. We will reevaluate next year to see if this action plan was successful.
- 7. See Appendix H in the Appendices of the Annual ABET report dated July 7, 2023 for the text of these specific outcomes and criteria.

Program Highlights Since Last Report

to make changes during this cycle, and What were the results of those changes?

				a working understandin g of the specified criteria. All criteria are specified as learning objectives in Table E.1 of the Annual ABET report for the program dated July 7, 2023.		
Graduates of the Computer Science Program will be able to demonstrate intellectual curiosity and the independent study skills necessary for life-long learning.	Graduates of the program will have an ability to independently acquire new computing related skills and knowledge to pursue either further formal or informal learning after graduation.	Rubrics COSC 3325 and COSC 4272 All rubrics are defined by each instructor in their course.	Curriculum Outcome 9 /Department of Computer Science This is explained in Section 3 of the Annual ABET report for the program dated Nov. 7, 2023.	>80% Using the instructor defined assessment rubrics in each course/s which are the context for assessment of each of the above criteria, the average score of all students in all the courses for both fall and spring	[9.1] score [9.2] score [9.3] score This data is taken from Table G.2 in the Annual ABET report for the program dated July 7, 2023.	All criteria met their direct assessment targets. The data demonstrate that CS undergraduate students can learn new skills and knowledge independently after graduation. The data will be used to analyze program development and support further improvement. The department Assessment Committee meets each summer to review the previous year's assessment results and formulate plans for continuous improvement as needed for learning objectives (criteria)

semesters, our department