

Major Field Assessment Plan
B.S. Computer Science
October 2010

The mission of Southeastern Louisiana University is to meet the educational and cultural needs, primarily of Southeast Louisiana, to disseminate knowledge and to facilitate life-long learning through quality instruction, research and service in a safe, student-centered environment.

The mission of the Computer Science degree program is to provide the professional background necessary for successful employment in computing careers or graduate studies in Computer Science.

Goal 1: To provide students with a broad understanding of computer science, as recommended in nationally accepted program guidelines.

- A. Expected Outcome: Computer Science seniors will compare favorably to graduates of other Computer Science programs, nationwide.
Assessment: At least 75% of the SLU graduating computer science majors taking the senior comprehensive exam as part of the Computer Science 481 seminar course will pass at the “C” level or higher.

Goal 2: Computer Science majors will understand software development principles and will be able to successfully apply them.

- A. Expected Outcome: Computer Science students in CMPS 411, Software Engineering, will have felt adequately prepared to tackle a major software development project.
Assessment: 75% of the students will indicate, on the course exit survey, that they felt that their freshman, sophomore and junior-level coursework at least “adequately prepared” them for the project in CMPS 411.
- B. Expected Outcome: Computer Science students in CMPS 411, Software Engineering, will successfully complete a major software development project.
Assessment: 75% of the students will earn a grade of “B” or better on the project.

Goal 3: Computer Science graduates will feel adequately prepared for computing careers or for graduate studies in computer science.

- A. Expected Outcome: Computer Science graduates will feel adequately prepared for a career in computing or for graduate studies in computer science or both.
Assessment: In the *Survey of Undergraduate Alumni*, 75% of computer science graduates will be Satisfied or Very Satisfied with the “Overall Quality of Your Degree Program”.
- B. Expected Outcome: Computer Science graduates will feel that their course work related directly to their jobs or their graduate studies or both.
Assessment: In the *Survey of Undergraduate Alumni*, 75% of computer science graduates will respond, for 75% of the courses listed, that the concepts they learned in those courses were of “Some Help” or “Lots of Help”.
- C. Expected Outcome: Computer Science graduates will feel prepared to perform novel research in their field.
Assessment: 50% of juniors and seniors computer science majors will submit technical reports of their work to the annual Computer Science Symposium Committee.

Note: Students in the BS in Computer Science program will be exposed to cultural and global perspectives through courses in English, history, geography, sociology, and business which cover topics in non-US literature, culture and history.