University of New Orleans

Detailed Assessment Report
Spring 2015 Computer Science, B.S.
As of: 2/16/2015 12:52 PM CDT

Student Learning Outcomes/Objectives, with Any Associations and Related Measures, Targets, Findings, and Action Plans

SLO 1: Fundamental concepts
Students will demonstrate an understanding of the fundamental concepts and processes in software design and development, essential grasp of computing systems, and facility in an applied or theoretical area of computer science.

Related Measures

M 1: ETS Major Field Test
Score of students taking the ETS Major Field Test in Computer Science for the first time. [The test is administered in-house every semester as the featured activity of the course CSCI 4000.]
Source of Evidence: Standardized test of subject matter knowledge
Target:
Mean score of students taking the ETS Major Field Test in Computer Science for the first time will be in at least the 55th percentile.

M 2: Oral presentation rubric
Oral presentation in the required senior-level seminar course (CSCI 3090), in which students demonstrate comprehensive knowledge by submitting a survey or research paper and presenting a related oral seminar, graded by rubric (attached).
Source of Evidence: Academic indirect indicator of learning - other
Target:
At least 80% of enrolled students achieve a mean score of 3.0 or higher in the oral presentation rubric.

SLO 2: Preparation for graduate programs or career
Students will be able to effectively design and implement software systems that meet specified design and performance requirements in preparation for a technical computer-related career in business or industry, or for graduate study in computer science or related field.

Related Measures

M 3: Outcomes Assessment Survey
Outcomes Assessment Survey of partner employers who have hired recent graduates. [The survey is administered every two years.]
Source of Evidence: Employer survey, incl. perceptions of the program
Target:
Mean results for the Program Educational Objectives (PEO) among partner employers is at least 4.0 (respondents are asked on a scale of 1-5, 1 being the least and 5 the most, their perception of the level of attainment of PEOs among graduates they employed).

SLO 3: Preparation for employment
Students will demonstrate an ability to use current techniques, skills, and tools necessary for productive employment in the information technology and software industry.

SLO 4: Ethical, legal, security, and social issues
Students will demonstrate appreciation for, and understanding of, ethical, legal, security, and social issues involving computing.

Related Measures

M 4: Reflection paper rubric
Reflection paper in the required ethics course (CSCI 3080), in which students discuss ethical and other social issues relevant to the computing profession, graded by rubric (attached).
Source of Evidence: Academic direct measure of learning - other
Target:
At least 80% of enrolled students achieve a mean score of 3.0 or higher in the reflection paper rubric.