**SLO 1: Fundamental concepts**
Acquire and exhibit 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 rubric (attached) 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.

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.

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**SLO 2: Preparation for graduate programs or career**
Acquire adequate preparation for a technical computer-related career in business or industry, or for graduate study in computer science or related area.

**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).

**M 4: Exit interview**
Exit interview of graduating seniors conducted by the department. [The interview is conducted every semester.]

Source of Evidence: Exit interviews with grads/program completers

**Target:**
At least 75% of those interviewed indicate that they have been well prepared for a career in a technically-oriented field.

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**SLO 3: Preparation for employment**
Acquire adequate preparation for employment in the information technology and software industry.

**Related Measures**

**M 4: Exit interview**
Exit interview of graduating seniors conducted by the department. [The interview is conducted every semester.]

Source of Evidence: Exit interviews with grads/program completers

**Target:**
At least 75% of graduating seniors interviewed who indicate that they are planning to work in industry have received job offers.

**M 5: Survey of Alumni**
Outcomes Assessment Survey of Alumni. [This is conducted every two years].

Source of Evidence: Alumni survey or tracking of alumni achievements

**Target:**
Mean results for the Program Educational Objectives (PEO) among alumni surveyed 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 their level of attainment of PEOs).

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**SLO 4: Ethical, legal, security, and social issues**
Acquire appreciation for, and understanding of, ethical, legal, security, and social issues involving computing.

**Related Measures**
**M 4: Exit interview**
Exit interview of graduating seniors conducted by the department. [The interview is conducted every semester.]
Source of Evidence: Exit interviews with grads/program completers

**Target:**
At least 75% of those interviewed indicate that they have been well prepared for a career in a technically-oriented field.

**M 6: Reflection paper rubric**
Reflection paper rubric (attached) in the required ethics course (CSCI 3080) in which students discuss ethical and other social issues relevant to the computing profession.
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.