

## Computer Engineering B.S.

### Measures and Targets:

Outcome: Design process - Students will be able to apply both analysis and synthesis in the engineering design process, resulting in designs that meet desired needs.

- Measure: Direct Assessment of Student Course Work - The course instructor selects the instrument that is used to assess the attainment of the student outcome. The instrument can be, for example, question or questions from examinations, or parts from project reports and presentations. Instructors, in general, utilize similar instruments each time they teach the course. Instructors may utilize student outcome rubrics to partition the student performance in each outcome into the four categories listed in Table 4-2. A master database is updated with the quantitative information on the student outcome reports at the end of each semester. Four performance categories are used to evaluate students: unacceptable, marginal, acceptable or good, and excellent. Four undergraduate required courses with material used for assessment: ECE 341 - Project report, ECE 484W - Milestone for project report, ECE 486 - Processes in final proposal, ECE 487 - Processes in final proposal.
  - Target: 70% of the students will be "At" or "Above" the acceptable level of ability.
- Measure: Senior Exit Survey - Every graduating senior in the program completes a self-assessment survey of the attainment of the student outcomes. This survey is completed at the beginning of the senior exit interview forum. The students rate how well they believe they attained the Student Outcomes on a scale of 1 to 10, with 1 being Strongly Disagree and 10 being Strongly Agree. A master database is updated after each semester with the percentage of attainment of each SO.
  - Target: The average mean score will be 7.0 for items related to this outcome - on a scale of 1.0 to 10.0