

## Computer Science B.S.

### Measures and Targets:

Outcome: Students will be able to give effective oral technical presentations in the field of Computer Science. Provides students with challenges of business environments in developing a technology based project. Students identify a societal problem, identify solutions, define project solutions, develop project objectives, conduct feasibility analysis, establish organizational group structure to meet project objectives, develop design approaches, and risk analysis. Students make formal technical project presentations.

- Measure: CS 410 Professional Workforce Development I – Individual Presentation (Societal Problem Identification) - The goal of this presentation is to identify, research, and analyze a current societal problem – which convinces the students that this is one of the problem areas deserving of their adoption as a team project. Course Objectives Related to Presentation 1: (1) Prepare industry quality presentation materials, (2) Deliver industry quality individual presentations, (3) Justify technical decisions.
  - Target: 80% of students will score 75 or higher on the presentation assignment. The presentation was graded with an oral communication rubric. See pres1\_reqs.docx for the requirements and pres1\_rubric.docx for the grading criteria.
- Measure: Presentation 3 - Risk Analysis and Design Approach - The goal of this presentation is to collaboratively establish and present a set of design diagrams and tables related to the major components and the identified risks. Professional presentation skills are critical in industry. Employees are often required to speak in front of their peers, bosses, and customers. Those who are comfortable, easily trusted, and polished will be more valuable. Presentation materials become historical artifacts of formal presentations – but, without the speaker. The preparation of slide decks that can continue to tell the story after the presentation is delivered is a critical skill set.
  - Target: 80% of students will score 75 or higher on the presentation assignment. The presentation was graded, by industry representatives, with an oral communication (and technical content) rubric. See pres3reqs.docx for the requirements and pres3\_rubric.docx