### ACE 10 Question

The ACE Outcome 10 requires students to generate a creative or scholarly product that requires broad knowledge, appropriate technical proficiency, information collection, synthesis, interpretation, presentation, and reflection.

**Will the student self-assessment of the extent of attainment of outcomes in a student output improve learning and teaching?**

### Method of Analysis

**Undergraduate Course Assessment Report**  
Department of Chemical and Biomolecular Engineering Spring 2012  
ACE 10 Outcomes Questions  
To generate a creative or scholarly produce that requires:  
1. Broad knowledge  
2. Appropriate technical proficiency  
3. Information collection  
4. Synthesis  
5. Interpretation  
6. Presentation and reflection

### Findings

#### Student Self-Assessment Survey Form

![Survey Form](image)

#### Improving ACE 10 Learning

Capstone design creates opportunity for the Department and for the faculty to develop an assessment tool for improving the level of integration of science, engineering, and social values for solving engineering problems.