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### **Measuring Learning with Surveys in a Chemistry Seminar**

This presentation will examine the outcomes of teaching and learning for a seminar course focused on employability opportunities in the field of chemistry. The outcomes are measured by analyzing students' responses to questions about their levels of interest in the specialty employment areas that are targeted in the course, their expectations for job opportunities and salaries, and their expectations about post-bachelor's degree education. Survey results will examine 31 specialty areas and 26 types of jobs across six salary ranges. Data results (n=35) will be compared to the objectives for the course scores, and analyzed to identify strengths, improvements, and insights (SII).

Objectives include:

1. Analyzing the methodology and rationale for construction of the survey.
2. Examining the changes in students' responses produced as a result of instruction, especially regarding realistic expectations for future employment in chemistry.

Proposed as a poster session, the presentation will provide a display of the survey areas and response alternatives and a summary of results. Key questions will be displayed in signage and pie charts to show the impact of instruction on the outcomes, with an expectation that the students' will possess more realistic appraisal of job opportunities after instruction than before.