

Oregon State University
Construction Engineering Management (CEM) Program
Academic Quality Plan

The CEM Program Mission, CEM Program Educational Objectives, and Student Learning Outcomes (SLO's) serve as the foundation of the academic quality plan. These documents were developed by CEM faculty with the CEM Program Industry Advisory Committee. Assessments of the degree of success in achieving the instructional mission are made annually at the overall program level, and for each course taught by the academic unit each time it is taught. The intent is to assess performance and plan for improvement.

For the individual course assessments, the School of Civil and Construction Engineering (CCE) has a rigorous continuous improvement program. For each course taught in the School, documentation of learning objectives and methods for assessing accomplishment of learning objectives are required. At the completion of the course, assessments of success in meeting learning objectives are made. Based on this information, an improvement plan is formulated and documented. This improvement plan serves as the starting point for the next continuous improvement cycle. Changes expected to improve accomplishment of learning objectives are implemented the next time the course is taught.

At the Program level, formal assessments of achievement of Student Learning Outcomes are provided by graduating seniors, alumni, and employers. Assessment results are reviewed by faculty, administrators, and the Industry Advisory Committee. The following formal assessments are obtained:

- Annual survey of graduating seniors
- Annual survey of alumni 2 and 5 years past graduation
- Annual survey of employers of CEM graduates

Data generated from the assessments is compiled and analyzed annually by the CEM faculty and with the Industry Advisory Committee. The goals are to identify areas for Program improvement and develop plans for change to enable those improvements. The CEM Program has a goal that the mean of graduating senior, alumni, and employer scores for each of the 20 Student Learning Outcomes should be 4.9 out of 7.0 or 3.5 out of 5.0 (70% of the maximum score) or higher.