

BSCEM Program Assessment Tools

The assessment will be conducted at three levels to assure that the program educational objectives/goals (Level I), the program learning outcomes (Level II), and the course learning objectives/outcomes (Level III) are achieved. The assessment results will be used to continuously improve the quality of the BSCEM curriculum by updating and/or revising course syllabi/contents as well as instructional methods.

Level I – Educational Objectives/Program Goals.

At this level, the assessment process can draw on information from the following:

- Advisory & Development Council Reports
- Job offers/Internship (Placement/Awards)
- Student Organizations Activities

Level II – Program Learning Outcomes (ACCE-SLOs).

The program outcomes can be measured by the following assessment instruments:

- Graduating senior surveys: All graduating CEM senior students are asked to complete a formal survey on education criteria
- Employer surveys: Employer surveys are designed to collect feedback on each outcome of the CEM program. Surveys are to be sent to the construction companies where CEM graduates have been employed for the past three years.
- CEM alumni surveys: Alumni surveys are sent to graduates who have been employed for the past three years.
- Assessment rubrics: In Fall 2010, four rubrics have been recently developed for assessment of the first four Program Outcomes (A through D) for the 2011 Spring semester. Copies of these rubrics are attached in Appendix H. More rubrics will be developed to address other Program Outcomes (E through H) and will be implemented in Fall 2011.

Level III – Course Learning Objectives/Outcomes - Course Level.

The assessment mechanisms at this level include the following:

- Course evaluations using questionnaires/rubrics: These evaluations provide feedback on areas needing improvement for courses as well as instructional techniques
- Homework/Tests/Quizzes/Lab Reports: the scores of these student works demonstrate the level of achievement of students with respect to learning objectives/outcomes.