

| <p align="center">BS CET Program Educational Objectives</p> <p><i>[Broad statements that describe the career and professional accomplishments that the CET credit program is preparing graduates to achieve during the first few years following graduation.]</i></p> <p>Graduates of the BS CET Program will have:</p> | <p align="center">BS CET Related Program Outcomes (required to meet PEOs)</p> <p><i>[Statements that describe what units of knowledge or skill students are expected to acquire from the CET credit program to prepare them to achieve the Program Educational Objectives. These are demonstrated by the student and measured by the CET Program at terminal course level prior to graduation.]</i></p> <p>The CET Program must demonstrate that graduates of the CET Program have the ability to:</p> | <p>CET Program Courses:</p> <p>[Each course below contains numerous specific course learning outcomes that satisfy the corresponding CET Program Outcomes.]</p> |
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| <p>MASTERY OF KNOWLEDGE AT BS LEVEL: After graduation, students of the BS CET program will have appropriate technical expertise to practice in the field as construction managers, project estimators, project planners/schedulers and field engineers. To do this, graduates of the CET BS program will possess professional skill (beyond the competencies achieved at the AAS level) in the following areas:</p> | <p align="center">BS CET Related Program Outcomes (required to meet PEOs)</p> | |
| <p>1. Participating effectively in projects as innovative solution providers through planning, monitoring and managing construction in their chosen sector of the industry.</p> | <p>apply appropriate principles of construction management, law, and ethics, and; (ABET “h”)</p> | <p>Construction Management Capstone Project (Ciraldo)</p> |
| <p>2. Communicating effectively to achieve project goals.</p> | <p>g perform economic analyses and cost estimates related to design, construction, and maintenance of systems associated with construction engineering; (ABET “f”).</p> | <p>Advanced Estimating (Ballou)</p> |
| <p>3. Applying basic technical concepts to the solution of construction problems (ei. hydraulics, geotechnics, structures, construction scheduling and management, and construction safety).</p> <p>Approved Advisory Board Meeting April 22, 2015</p> | <p>utilize techniques that are appropriate to administer and evaluate construction contracts, documents, and codes; (ABET “a”)</p> <p>select appropriate construction materials and practices; (ABET “g”)</p> <p>produce and utilize design, construction, and operations documents (ABET “e”);</p> <p>perform standard analysis and design in at least one sub-discipline related to construction engineering. (ABET “i”)</p> | <p>Construction Specifications & Contracts (Belcher)</p> <p>Green & Sustainable Building Practices (Rawlings)</p> <p>Foundations (Wise)</p> <p>Foundations (Wise)</p> |