

CONSTRUCTION ENGINEERING TECHNOLOGY PROGRAM ACADEMIC OBJECTIVES/OUTCOMES/COURSE MATCHING

<p style="text-align: center;">AAS 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 AAS CET Program will have:</p>	<p style="text-align: center;">AAS 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>
<p>MASTERY OF KNOWLEDGE AT AAS LEVEL: After graduation, students of the AAS CET program will have appropriate technical expertise to practice in the field as construction engineering technologist, construction inspectors, and to assist with cost estimating and project coordination. To do this, graduates of the AAS program will possess professional skill in the following areas:</p>	<p style="text-align: center;">AAS CET Related Program Outcomes (required to meet PEOs)</p>	
<p>1. Identifying, performing and evaluating ASTM testing of concrete materials, aggregates and soils as appropriate for the quality control of these materials when used in construction;</p>	<p>utilize measuring methods, hardware, and software that are appropriate for field, laboratory, and office processes related to construction; (ABET “c”)</p> <p>apply fundamental computational methods and elementary analytical techniques in sub-disciplines related to construction engineering. (ABET “d”)</p>	<p>Materials Testing II (Belcher)</p> <p>Materials Testing I (Belcher)</p>
<p>2. Recognizing the conventional construction methods related to both residential and commercial buildings and infrastructure;</p>	<p>estimate costs, estimate quantities, and evaluate materials for construction projects; (ABET “b”)</p>	<p>Construction Estimating (Belcher)</p>
<p>3. Utilizing and interpreting basic construction documents and codes</p>	<p>utilize techniques that are appropriate to administer and evaluate construction contracts, documents, and codes; (ABET “a”)</p>	<p>Elements of Structures (Belcher)</p>
<p>Approved Advisory Board Meeting April 22, 2015</p>		