

**University Planning & Analysis
2012 Alumni Survey Insert**

Department of Construction Engineering and Management

intro The Construction Engineering and Management Program at North Carolina State University has defined specific Program Educational Objectives that graduates are expected to attain within a few years after graduation. As part of our ABET accreditation, we must demonstrate the extent to which our graduates have attained these Program Educational Objectives since graduating from NC State. We appreciate your taking the time to answer these questions.

Q1 For each of the following Program Educational Objectives (PEO), please consider your experiences and opportunities since earning your undergraduate degree in Construction Engineering and Management, and indicate the extent to which you have attained the objectives described.

	Not at all attained (1)	To a small extent attained (2)	To a moderate extent attained (3)	To a large extent attained (4)	To a very large extent attained (5)	Not applicable (0)
Function successfully in careers emphasizing application of construction engineering and management principles with the ability to solve a broad set of engineering problems in construction. (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Practice construction engineering including the design and management of the construction process to achieve needed safety, quality,	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

University Planning & Analysis

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Department of Construction Engineering and Management

<p>durability, sustainability, and economic objectives. (2)</p> <p>Function and communicate effectively in team-oriented, multi-disciplinary, open-ended engineering activities considering the societal and economic impacts of construction, and the professional and ethical responsibilities of the construction engineer. (3)</p> <p>Engage in lifelong learning through graduate study, self study, or continuing education; pursue licensure; provide mentoring to those under their supervision and influence;</p>	<p>○</p> <p>○</p>	<p>○</p> <p>○</p>	<p>○</p> <p>○</p>	<p>○</p> <p>○</p>	<p>○</p> <p>○</p>	<p>○</p> <p>○</p>
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University Planning & Analysis

2012 Alumni Survey Insert

Department of Construction Engineering and Management

and provide leadership in their employment organizations, industry associations, and professional societies. (4)						
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Q2 Please share any feedback you have on the appropriateness of the four Program Educational Objectives above. Specifically, which, if any, would you drop and why? What, if anything, is missing?

University Planning & Analysis

2012 Alumni Survey Insert

Department of Construction Engineering and Management

Q3 How often have you done each of the following activities since earning your undergraduate degree?

	Never (0)	Seldom (1)	Sometimes (2)	Often (3)	Routinely (4)
Applied engineering and management principles and procedures (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Solved real-world problems (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Analyzed the safety, quality, durability, sustainability, and economic dimensions of solutions (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Considered the impact of engineering solutions (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Exercised ethical and professional responsibility (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Communicated with diverse audiences (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Worked on a team (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managed others (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mentored others (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provided leadership (10)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managed projects (11)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**University Planning & Analysis
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Designed construction systems or processes (12)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prepared written reports and communications (13)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Worked with diverse groups in solving problems (14)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

University Planning & Analysis

2012 Alumni Survey Insert

Department of Construction Engineering and Management

Q4 Please indicate the number of times you have done each of the following since earning your undergraduate degree in Construction Engineering and Management.

	Never (0)	Once (1)	Twice (2)	Three times (3)	Four or more times (4)
Attended events (e.g. networking events, product marketing fairs, career fairs) to learn about advances in my field (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Attended a conference in my field (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Published an article in a professional magazine or journal (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Submitted an invention disclosure or patent application (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Taken a short course/workshop in my field (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Taken a short course/workshop in a field outside my formal training (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Taken a semester-long course to broaden my knowledge in fields outside my formal training	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

University Planning & Analysis

2012 Alumni Survey Insert

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(7) Taken a graduate course in my field (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Q5 How many different professional organizations have you been a member of since graduating?

- 0 (0)
- 1 (1)
- 2 (2)
- 3 (3)
- 4 or more (4)

Q6 Have you obtained a postgraduate certificate since graduating? (Note: This does not include any advanced degrees you might have obtained, e.g., Masters, Doctoral, etc.)

- Yes (please specify what certificate(s) you have obtained) (1) _____
- No (0)

Q7 Have you obtained professional licensure?

- Yes (1)
- No, but plan to do so in the next three years (2)
- No, but might do so at some point in the future (3)
- No, and do not plan on doing so (4)

Answer If Have you obtained professional licensure? No, but plan to do so in the <u>next three years</u> Is Selected

Q8 Have you reviewed any licensure preparation materials?

- Yes (1)
- No (0)

University Planning & Analysis

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Answer If insert2 Is Equal to NONE

outro1 Thank you for completing the Construction Engineering and Management Survey! You must click on the 'submit' button in order for your responses to be saved. You will not be able to return to this survey once you submit your responses.

Answer If insert2 Is Not Equal to NONE

outro2 Thank you for completing the Construction Engineering and Management Survey! You must click on the 'submit' button in order for your responses to be saved. You will then be taken to a brief survey specifically for alumni who graduated from the \${e://Field/prog2}.