

**University Planning & Analysis**  
**2012 Alumni Survey Insert**  
 Department of Environmental Engineering

intro The Environmental Engineering 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 Environmental Engineering, 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 a professional environment by utilizing and enhancing their problem solving and communication skills. (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Continue learning through graduate or other professional education and obtaining licensure where appropriate. (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provide professional leadership within their companies, engineering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**University Planning & Analysis**  
**2012 Alumni Survey Insert**  
Department of Environmental Engineering

societies, and civic organizations, and provide mentoring to those under their supervision and influence. (3) Promote organizational success with consideration of cost and time management while practicing and promoting ethical behavior and stewardship of a sustainable environment. (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
--	-----------------------	-----------------------	-----------------------	-----------------------	-----------------------	-----------------------

Q2 Please share any feedback you have on the appropriateness of the three 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 Environmental Engineering

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 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 cost and time implications 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"/>
Advocated stewardship of a sustainable environment (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"/>

**University Planning & Analysis**  
**2012 Alumni Survey Insert**  
 Department of Environmental Engineering

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

	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**  
Department of Environmental Engineering

(7) Taken a graduate course in my field (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
--	-----------------------	-----------------------	-----------------------	-----------------------	-----------------------

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**  
**2012 Alumni Survey Insert**  
Department of Environmental Engineering

Answer If insert2 Is Equal to NONE

outro1 Thank you for completing the Environmental Engineering Program 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 Environmental Engineering Program 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  $\{e://Field/prog2\}$ .