

University Planning & Analysis
2012 Alumni Survey Insert
 Department of Biological Engineering

intro The Biological 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 a few questions specifically related to your experiences in your major.

Q1 For each of the following Program Educational Objectives (PEO), please consider your experiences and opportunities since earning your undergraduate degree in Biological 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)
Be able to grasp and apply engineering principles, procedures, and time management skills needed to solve real-world problems. (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Be professionally responsible in performing engineering tasks at an appropriate level of expertise and willing to accept the ethical responsibility for the social and environmental impacts of	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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<p>engineering practices. (2) Be able to communicate effectively with diverse and global audiences and able to work effectively in today's integrated team environments.</p>	○	○	○	○	○	○
<p>(3) Be lifelong learners, with a solid background in the biological sciences, engineering sciences, and mathematics; will have an understanding and appreciation for the arts, humanities, and social sciences; and will have an appreciation of the need for further professional educational opportunities.</p>	○	○	○	○	○	○
<p>(4) Be knowledgeable of current</p>	○	○	○	○	○	○

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advances in engineering practice and research, prepared for opportunities in graduate engineering education, and making progress towards registration as a professional engineer. (5)						
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Q2 Please share any feedback you have on the appropriateness of the five Program Educational Objectives above. Specifically, which, if any, would you drop and why? What, if anything, is missing?

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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"/>
Analyzed environmental impacts of 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 global audiences (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Communicated with diverse audiences (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Worked on a team (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Conducted research (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managed others (10)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Q4 Please indicate the number of times you have done each of the following since earning your undergraduate degree in Biological 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"/>

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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)

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Answer If insert2 Is Equal to NONE

outro1 Thank you for completing the Biological 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 Biological 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}.