**2019-2020 Graduating Senior Survey:**
**Department of Biological and Agricultural Engineering**
***(BE majors only)***

INSTRUCTIONS:

The Department of Biological and Agricultural Engineering is very interested in your opinions, and believes that as a graduating senior you can provide it with useful information to help evaluate and improve its program. We appreciate you taking the time to answer these questions.

Once you have answered all the questions, you must click on the "Next" button at the end of the form to submit your answers.

bae1 **Please indicate your agreement with each of the following statements.**

**1. The following BE teaching facilities and equipment significantly enhanced my learning experience:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Agree (5) | Agree somewhat (4) | Neither agree nor disagree (3) | Disagree somewhat (2) | Disagree (1) | Did not use/no opinion (0) |
| a. Classrooms (a)  |  |  |  |  |  |  |
| b. Laboratory rooms (b)  |  |  |  |  |  |  |
| c. Audio/video equipment (c)  |  |  |  |  |  |  |
| d. Computers (d)  |  |  |  |  |  |  |
| e. Laboratory equipment (e)  |  |  |  |  |  |  |
| f. Access to the above facilities and equipment (f)  |  |  |  |  |  |  |

bae **Please indicate your agreement with each of the following statements.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Agree (5) | Agree somewhat (4) | Neither agree nor disagree (3) |  Disagree somewhat (2) |  Disagree (1) |
| 2. As a graduating senior, I feel adequately prepared to independently design and conduct experiments. (2)  |  |  |  |  |  |
| 3. In general, teamwork experiences in all of my undergraduate courses were positive. (3)  |  |  |  |  |  |
| 4. I have a conceptual understanding of group dynamics. (4)  |  |  |  |  |  |
| 5. Team project experiences have given me the skills and strategies that will make any future teamwork I engage in successful. (5)  |  |  |  |  |  |
| 6. The instruction and guidance in teamwork I received from professors in BAE was adequate. (6)  |  |  |  |  |  |
| 7. The instruction and guidance in teamwork I received from other NCSU professors was adequate. (7)  |  |  |  |  |  |
| 8. I am confident that my undergraduate instruction in oral and written communication skills have prepared me to perform capably on the job. (8)  |  |  |  |  |  |
| 9. I fully understand the kinds of writing and speaking I will be asked to do as professional engineer. (9)  |  |  |  |  |  |
| 10. I received high quality guidance and instruction in writing and speaking. (10)  |  |  |  |  |  |

bae **Please indicate your agreement with each of the following statements.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Agree (5) | Agree somewhat (4) | Neither agree nor disagree (3) | Disagree somewhat (2) | Disagree (1) |
| 11. I believe that I have an adequate understanding of the global issues relating to engineering and the societal context of engineering as a profession. (11)  |  |  |  |  |  |
| 12. I believe that my education at NC State has contributed significantly to my understanding of the global issues relating to engineering and the societal context of engineering as a profession. (12)  |  |  |  |  |  |
| 13. While an undergraduate student, I have taken advantage of the opportunities afforded to me by the various international programs at the university. (13)  |  |  |  |  |  |
| 14. Additional educational opportunities are needed for future students to understand the broader context of engineering in society. (14)  |  |  |  |  |  |
| 15. My undergraduate education at NC State has adequately prepared me to use my time management skills to become a successful engineering professional. (15)  |  |  |  |  |  |
| 16. My undergraduate education at NC State has adequately prepared me to use my interpersonal communication skills to become a successful engineering professional. (16)  |  |  |  |  |  |
| 17. My undergraduate education at NC State has adequately prepared me to use my skills and techniques for information-gathering to become a successful engineering professional. (17)  |  |  |  |  |  |
| 18. My total undergraduate instruction and guidance at NC State has adequately prepared me to become a successful engineering professional. (18)  |  |  |  |  |  |

bae19 **19. I believe in the need for life-long learning related to my engineering field.**

* Yes (3)
* Maybe (2)
* No (1)

bae20 **20. While an undergraduate student, I was a student member and participated actively in an engineering society.**

* Yes (3)
* Maybe (2)
* No (1)

bae21 **21.  I plan to become a full member in an engineering society after graduation.**

* Yes (3)
* Maybe (2)
* No (1)

bae22 **22. I have taken (or plan to take before graduation) the Fundamentals in Engineering Exam.**

* Yes (3)
* Maybe (2)
* No (1)

Display This Question:

If 22. I have taken (or plan to take before graduation) the Fundamentals in Engineering Exam. = Maybe

Or 22. I have taken (or plan to take before graduation) the Fundamentals in Engineering Exam. = No

bae22a **22a. If you have not taken the Fundamentals in Engineering exam, do you plan to take it within two years of graduation?**

* Yes (3)
* Maybe (2)
* No (1)

Display This Question:

If 22. I have taken (or plan to take before graduation) the Fundamentals in Engineering Exam. = Yes

Or 22a. If you have not taken the Fundamentals in Engineering exam, do you plan to take it within tw... = Yes

bae22b **22b. If you have taken (or plan to take) the Fundamentals exam, do you plan to take the Professional Engineering exam after 5 years of EIT experience?**

* Yes (3)
* Maybe (2)
* No (1)

bae **Please indicate the number of times you attended the following activities while an undergraduate student:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 (0) | 1 (1) | 2 (2) | 3 (3) | 4 (4) | 5 (5) | 6 (6) | 7+ (7) |
| 23. Professional development seminars that focused on teamwork, interpersonal communication, or time management skills (23)  |  |  |  |  |  |  |  |  |
| 24. Life-long learning activities (24)  |  |  |  |  |  |  |  |  |

bae25\_text **25. What single aspect of your undergraduate experience was the most positive?**

bae26\_text **26. What single aspect of your undergraduate experience was the most negative?**

bae27\_text **27. Please generally describe your future plans.**

bae28\_text **28. Briefly explain why you chose the BE major in the BAE Department.**