

2017-2018 Graduating Senior Survey: College of Engineering

INSTRUCTIONS:

All graduating seniors in the College of Engineering are being asked to take a few minutes to complete this brief survey. Your answers to the following questions are important and would be appreciated.

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

Please indicate your major. If you are graduating this academic year (December 2017 or May 2018) with more than one major in the College of Engineering, select what you consider to be your primary major. Respond to the questions below based on your experiences in the major you select here.

- Aerospace Engineering (AE)
- Biological and Agricultural Engineering (BAE)
- Biomedical Engineering (BME)
- Chemical Engineering (CHE)
- Civil Engineering (CE)
- Computer Engineering (CPE)
- Computer Science (CSC)
- Construction Engineering and Management (CEM)
- Electrical Engineering (EE)
- Environmental Engineering (ENE)
- Industrial Engineering (IE)
- Materials Science and Engineering (MSE)
- Mechanical Engineering (ME)
- Mechanical Engineering Systems (MES)
- Mechatronics (JEM)
- Nuclear Engineering (NE)
- Paper Science Engineering (PSE)
- Textile Engineering (TE)

Please rate the preparation you received in your program at NC State University for each of the following:

	Excellent	Good	Average	Fair	Poor	Not Applicable
1. The ability to apply knowledge from your major in engineering or computer science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. The ability to apply knowledge of mathematics and science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. The ability to design and conduct experiments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. The ability to analyze and interpret data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. The ability to design a system, component or process to meet desired needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. The ability to function on multidisciplinary teams	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. The ability to identify, formulate and solve engineering or computer science problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. An understanding of professional and ethical responsibility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please rate the preparation you received in your program at NC State University for each of the following:

	Excellent	Good	Average	Fair	Poor	Not Applicable
9. The ability to write effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10. The ability to speak effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11. A broad education necessary to understand the impact of engineering solutions in a global and societal context	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. A recognition of the need for, and ability to engage in lifelong learning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13. Knowledge of contemporary issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14. The ability to use the techniques and skills necessary of engineering or computer science practice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15. The ability to use modern tools necessary for engineering or computer science practice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Do you agree or disagree with each of the following statements?

	Agree	Tend to Agree	Neither Agree nor Disagree	Tend to Disagree	Disagree	Not Applicable
16. My program included enough classroom presentations for me to gain good oral presentation skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17. My program included enough written reports for me to gain good report-writing skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18. My senior design project(s) provided a good opportunity to integrate my learning in major and non-major courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19. Design activities were integrated throughout my program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20. The coursework activities in my program as a whole required synthesis, creativity, and open-ended thinking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
21. The computing facilities available to me in the department were adequate and accessible	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
22. The classroom facilities were conducive to learning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
23. Based on the quality of teaching and education I received in my program, I would recommend it to a friend	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

24. Did you take courses beyond those required in your curriculum to satisfy a personal interest or career objectives?

- Yes
- No

Display This Question:
If 24. Did you take courses beyond those required in your curriculum to satisfy a personal interest or career objectives?... = Yes

25. If you answered "Yes" to question 24, were the courses in your major or outside of your major?

- In major
- Outside major
- Both

26. What courses in your program have been most useful to you and why?

27. What courses in your program were least useful to you and why?

28. What subject matter would you suggest for new courses in your discipline?

29. Please use this space to share any general comments you have about your experience in the College of Engineering or your department, and/or tell us why you were particularly satisfied or dissatisfied with any aspect of your education in the college.

Thank you for completing the Graduating Senior Survey for the College of Engineering. **Please be sure to click on the 'Next' button to submit your responses.**

Depending on the major(s) in which you will be earning a degree from NC State in either December 2017 or May 2018, after clicking on the 'Next' button you might be directed to additional questions for your major(s). Your department very much appreciates your taking the time to answer these questions.