**2021 Alumni Survey:  
College of Engineering**   
As a graduate of the College of Engineering, your opinions are very important in our programming and planning efforts. We appreciate your taking the time to answer a few questions specifically related to your experiences in your college.    NOTE: If you graduated from the College of Engineering with a degree in Computer Science AND another engineering degree, **please think about your experience in your non-Computer Science major in answering these questions.** You will be asked about your experiences in Computer Science after these questions.

coe1 **1. Are you employed in the field in which you received your degree?**

* Yes (1)
* No (0)

coe2 **2. Have you had formal education beyond your bachelor's degree in engineering?**

* Yes (1)
* No (0)

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Excellent  (5) | Good  (4) | Average  (3) | Fair  (2) | Poor  (1) | Not applicable  (8) |
| 3. The ability to apply knowledge from your major in engineering (3) |  |  |  |  |  |  |
| 4. The ability to apply knowledge of mathematics and science (4) |  |  |  |  |  |  |
| 5. The ability to design and conduct experiments (5) |  |  |  |  |  |  |
| 6. The ability to analyze and interpret data (6) |  |  |  |  |  |  |
| 7. The ability to design a system, component, or process to meet desired needs (7) |  |  |  |  |  |  |
| 8. The ability to function on multidisciplinary teams (8) |  |  |  |  |  |  |
| 9. The ability to identify, formulate, and solve engineering problems (9) |  |  |  |  |  |  |
| 10. The ability to use the techniques and skills necessary of engineering practice (10) |  |  |  |  |  |  |

COE **Please rate the preparation you received in your program at NC State University for each of the following: (continued)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Excellent  (5) | Good  (4) | Average  (3) | Fair  (2) | Poor  (1) | Not applicable  (8) |
| 11. The ability to use modern tools necessary for engineering practice (11) |  |  |  |  |  |  |
| 12. An understanding of professional and ethical responsibility (12) |  |  |  |  |  |  |
| 13. A broad education necessary to understand the impact of engineering solutions in a global and societal context (13) |  |  |  |  |  |  |
| 14. A recognition of the need for, and ability to engage in, lifelong learning (14) |  |  |  |  |  |  |

COE **Thinking about your experience in your profession, how important were the following undergraduate learning experiences?**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Very important  (5) | Important  (4) | Moderately important  (3) | Of limited importance  (2) | Not important  (1) | Not applicable  (8) |
| 15. Engineering assignments that required classroom presentations to gain good oral presentation skills (15) |  |  |  |  |  |  |
| 16. Engineering assignments that required written reports to gain good report-writing skills (16) |  |  |  |  |  |  |
| 17. Engineering assignments related to the knowledge of contemporary issues (17) |  |  |  |  |  |  |
| 18. The senior design project(s) that provided an opportunity to integrate learning in major and non-major courses (18) |  |  |  |  |  |  |

COE **Thinking about your experience in your profession, how important were the following undergraduate learning experiences?**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Very important  (5) | Important  (4) | Moderately important  (3) | Of limited importance  (2) | Not important  (1) | Not applicable  (8) |
| 19. Design activities throughout the program (19) |  |  |  |  |  |  |
| 20. Coursework activities in the program as a whole that required synthesis, creativity, and open-ended thinking (20) |  |  |  |  |  |  |
| 21. Computing exercises in engineering courses (21) |  |  |  |  |  |  |
| 22. Hands-on experiences in engineering lab courses (22) |  |  |  |  |  |  |

COE **Do you agree or disagree that you were given enough experiences in the College of Engineering in the following areas?**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Agree  (5) | Tend to agree  (4) | Neither agree nor disagree  (3) | Tend to disagree  (2) | Disagree  (1) | Not applicable  (8) |
| 23. Engineering assignments that required classroom presentations to gain good oral presentation skills (23) |  |  |  |  |  |  |
| 24. Engineering assignments that required written reports to gain good report-writing skills (24) |  |  |  |  |  |  |
| 25. Engineering assignments related to the knowledge of contemporary issues (25) |  |  |  |  |  |  |
| 26. The senior design project(s) that provided an opportunity to integrate learning in major and non-major courses (26) |  |  |  |  |  |  |

COE **Do you agree or disagree that you were given enough experiences in the College of Engineering in the following areas?**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Agree  (5) | Tend to agree  (4) | Neither agree nor disagree  (3) | Tend to disagree  (2) | Disagree  (1) | Not applicable  (8) |
| 27. Design activities throughout the program (27) |  |  |  |  |  |  |
| 28. Coursework activities in the program as a whole that required synthesis, creativity, and open-ended thinking (28) |  |  |  |  |  |  |
| 29. Computing exercises in engineering courses (29) |  |  |  |  |  |  |
| 30. Hands-on experiences in engineering lab courses (30) |  |  |  |  |  |  |

COE  **How frequently do you do each of the following?**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Very frequently  (5) | Frequently  (4) | Sometimes  (3) | Seldom  (2) | Very seldom, if ever  (1) | Not applicable  (8) |
| 31. Attend meetings or conferences of professional societies (31) |  |  |  |  |  |  |
| 32. Publish articles, papers, etc. for the general benefit of the field (32) |  |  |  |  |  |  |
| 33. Upgrade your technical skills through formal courses, short courses, seminars, or self-paced instruction (33) |  |  |  |  |  |  |
| 34. Upgrade your technical skills by reading journals/periodicals in your field or use electronic media such as the Internet for research, reference, or problem solving (34) |  |  |  |  |  |  |

coe35 **35. While an undergraduate at NC State, did you take courses beyond those required in your curriculum to satisfy a personal interest or career objective?**

* Yes (1)
* No (0)

Display This Question:

If While an undergraduate at NC State, did you take courses beyond those required in your curriculum… = Yes

coe36 36. **Were the courses in your major or outside of your major?**

* In major (1)
* Outside major (2)
* Both (3)

coe37 **37. What courses in your program were most useful to you and why?**

coe38 **38. What courses in your program were least useful to you and why?**

coe39 **39. Based on your experiences since receiving your bachelor's degree, what subject matter would you suggest for new courses in your discipline?**

coe40 **40. From your present perspective, are there things that we might have done better? Please describe.**

coe41 **41. 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.**