EBI Engineering Exit Assessment

We are very interested in your opinions. Please record one response per question by carefully darkening the circle completely with a #2 pencil or black ink pen (no mechanical pencils, please). Your responses will be kept confidential.

Institution: _____

A. Population Code (leave blank if not provided):

○ 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9 ○ 10

B. Gender:

○ Male ○ Female

C. U.S. Ethnic group or nationality:
(For students at U.S. institutions only)

- ○ Multiracial American
- ○ African American
- ○ Native American
- ○ Asian American
- ○ Hispanic American
- ○ White American
- ○ Non-U.S. Citizen or Permanent Resident
- ○ Other

D. What was your SAT or ACT score?
(highest score if taken more than once)

- ○ SAT 810 / ACT 17 or below
- ○ SAT 820-880 / ACT 18-19
- ○ SAT 890-970 / ACT 20-21
- ○ SAT 980-1030 / ACT 22
- ○ SAT 1040-1100 / ACT 23-24
- ○ SAT 1110-1170 / ACT 25-26
- ○ SAT 1180-1240 / ACT 27-28
- ○ SAT 1250-1310 / ACT 29-30
- ○ SAT 1320-1420 / ACT 31-32
- ○ SAT 1430 / ACT 33 or above

E. What is your University cumulative GPA?
(4.0 scale)

- ○ Below 2.25
- ○ 2.25 to 2.49
- ○ 2.50 to 2.74
- ○ 2.75 to 2.99
- ○ 3.00 to 3.24
- ○ 3.25 to 3.49
- ○ 3.50 to 3.74
- ○ 3.75 to 4.00
- ○ Not on 4.0 scale

F. Average number of hours worked per week during the past academic year while attending school:

- ○ None
- ○ 1 - 10
- ○ 11 - 20
- ○ 21 - 30
- ○ 31 - 40
- ○ More than 40

G. Average number of hours studied per week during the past academic year:

- ○ 0 - 5
- ○ 6 - 10
- ○ 11 - 15
- ○ 16 - 20
- ○ 21 - 25
- ○ 26 - 30
- ○ More than 30

H. When did you officially enter the School of Engineering?

- ○ Freshman year
- ○ Sophomore year
- ○ Junior year
- ○ Senior year

I. Engineering Major/Area of Primary Interest:
(If double major, select major of greatest importance)

- ○ Aerospace
- ○ Agricultural
- ○ Architectural
- ○ Bioengineering
- ○ Ceramic
- ○ Chemical
- ○ Civil
- ○ Computer
- ○ Computer Sci/Software
- ○ Construction
- ○ Electrical/Electronic
- ○ Eng Mechanics
- ○ Eng Mgt
- ○ Environmental
- ○ Geo/Mining
- ○ Industrial
- ○ Manufacturing
- ○ Marine/Ocean/Naval
- ○ Materials/Metallurgical
- ○ Mechanical Eng
- ○ Nuclear
- ○ Petroleum
- ○ Info Tech
- ○ Other Eng Tech
- ○ Other

J. Plans after graduation:

- ○ Full-time education
- ○ Full-time work
- ○ Work & Part-time education
- ○ Other

K. If planning to be employed:

- ○ Have not interviewed
- ○ Interviewed, no offers
- ○ Offered position, declined
- ○ Offered position, not yet accepted
- ○ Offered position, accepted

(OVER)

L. Percentage of instructors in your required courses you rate as excellent:

- ○ None
- ○ 1 to 20%
- ○ 21 to 40%
- ○ 41 to 60%
- ○ 61 to 80%
- ○ 81 to 100%

M. Percentage of instructors in your required courses you rate as poor:

- ○ None
- ○ 1 to 20%
- ○ 21 to 40%
- ○ 41 to 60%
- ○ 61 to 80%
- ○ 81 to 100%

Definition: Please Read Before Continuing

Major: Course work in your Engineering Major as identified in question I.

RESPONSE KEY FOR QUESTIONS 1 to 3

very poor	poor	fair	good	very good	excellent	exceptional	not applicable
①	②	③	④	⑤	⑥	⑦	NA

Instruction and Faculty in your Major Course Work

Quality of:

1. Teaching ① ② ③ ④ ⑤ ⑥ ⑦ NA
2. Feedback on assignments (other than grades) ① ② ③ ④ ⑤ ⑥ ⑦ NA
3. Student/faculty interaction ① ② ③ ④ ⑤ ⑥ ⑦ NA

RESPONSE KEY FOR QUESTIONS 4 to 21

very dis-satisfied	moderately dis-satisfied	slightly dis-satisfied	neutral	slightly satisfied	moderately satisfied	very satisfied	not applicable
①	②	③	④	⑤	⑥	⑦	NA

Satisfaction with quality of teaching in required course work: (if courses not taken on this campus, mark "not applicable")

4. Calculus ① ② ③ ④ ⑤ ⑥ ⑦ NA
5. Differential Equations ① ② ③ ④ ⑤ ⑥ ⑦ NA
6. Physics ① ② ③ ④ ⑤ ⑥ ⑦ NA
7. Chemistry ① ② ③ ④ ⑤ ⑥ ⑦ NA

Satisfaction with:

8. Grades in **major** courses accurately reflecting your level of performance ① ② ③ ④ ⑤ ⑥ ⑦ NA
9. Accessibility of **major** course instructors outside of class ① ② ③ ④ ⑤ ⑥ ⑦ NA
10. Responsiveness of **Major** course instructors to student concerns ① ② ③ ④ ⑤ ⑥ ⑦ NA
11. Amount of work required of you in your **major** courses ① ② ③ ④ ⑤ ⑥ ⑦ NA
12. Engineering curriculum instructors presentation of technology issues ① ② ③ ④ ⑤ ⑥ ⑦ NA
13. Opportunities for practical experiences within Undergraduate curriculum ① ② ③ ④ ⑤ ⑥ ⑦ NA
14. Opportunities for interaction with practitioners ① ② ③ ④ ⑤ ⑥ ⑦ NA
15. Value derived from team experiences ① ② ③ ④ ⑤ ⑥ ⑦ NA
16. Value of Engineering program student organization activities ① ② ③ ④ ⑤ ⑥ ⑦ NA
17. Leadership opportunities in Engineering program's extracurricular activities ① ② ③ ④ ⑤ ⑥ ⑦ NA
18. Average size of **major** courses ① ② ③ ④ ⑤ ⑥ ⑦ NA
19. Availability of courses in your **major** ① ② ③ ④ ⑤ ⑥ ⑦ NA
20. Quality of Engineering classrooms ① ② ③ ④ ⑤ ⑥ ⑦ NA
21. Amount of work in relationship to what you learned ① ② ③ ④ ⑤ ⑥ ⑦ NA

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RESPONSE KEY FOR QUESTIONS 22 to 32

very dis-satisfied	moderately dis-satisfied	slightly dis-satisfied	neutral	slightly satisfied	moderately satisfied	very satisfied	not applicable
①	②	③	④	⑤	⑥	⑦	NA

Advising/Computing

Satisfaction with:

22. Academic advising by faculty ① ② ③ ④ ⑤ ⑥ ⑦ NA
23. Academic advising by non-faculty ① ② ③ ④ ⑤ ⑥ ⑦ NA
24. Quality of computing resources ① ② ③ ④ ⑤ ⑥ ⑦ NA

Classmates

Satisfaction with characteristics of your fellow students:

25. Academic quality ① ② ③ ④ ⑤ ⑥ ⑦ NA
26. Ability to work in teams ① ② ③ ④ ⑤ ⑥ ⑦ NA
27. Level of camaraderie ① ② ③ ④ ⑤ ⑥ ⑦ NA

Career Services

Satisfaction with:

28. Assistance in preparing you for your permanent job search ① ② ③ ④ ⑤ ⑥ ⑦ NA
29. Geographic distribution of companies recruiting on campus ① ② ③ ④ ⑤ ⑥ ⑦ NA
30. Access to school's alumni to cultivate career opportunities ① ② ③ ④ ⑤ ⑥ ⑦ NA
31. Number of companies recruiting on campus ① ② ③ ④ ⑤ ⑥ ⑦ NA
32. Quality of companies recruiting on campus ① ② ③ ④ ⑤ ⑥ ⑦ NA

RESPONSE KEY FOR QUESTIONS 33 to 69

not at all			moderately			extremely	not applicable
①	②	③	④	⑤	⑥	⑦	NA

Program Outcomes and Assessment

To what degree did your engineering education enhance your ability to:

33. Apply your knowledge of mathematics ① ② ③ ④ ⑤ ⑥ ⑦ NA
34. Apply your knowledge of science ① ② ③ ④ ⑤ ⑥ ⑦ NA
35. Apply your knowledge of engineering ① ② ③ ④ ⑤ ⑥ ⑦ NA
36. Design experiments ① ② ③ ④ ⑤ ⑥ ⑦ NA
37. Conduct experiments ① ② ③ ④ ⑤ ⑥ ⑦ NA
38. Analyze and Interpret data ① ② ③ ④ ⑤ ⑥ ⑦ NA
39. Design a system, component, or process to meet desired needs ① ② ③ ④ ⑤ ⑥ ⑦ NA
40. Function on multidisciplinary teams ① ② ③ ④ ⑤ ⑥ ⑦ NA
41. Identify engineering problems ① ② ③ ④ ⑤ ⑥ ⑦ NA
42. Formulate engineering problems ① ② ③ ④ ⑤ ⑥ ⑦ NA
43. Solve engineering problems ① ② ③ ④ ⑤ ⑥ ⑦ NA
44. Understand ethical responsibilities ① ② ③ ④ ⑤ ⑥ ⑦ NA
45. Understand professional responsibility ① ② ③ ④ ⑤ ⑥ ⑦ NA
46. Communicate using oral progress reports ① ② ③ ④ ⑤ ⑥ ⑦ NA
47. Communicate using written progress reports ① ② ③ ④ ⑤ ⑥ ⑦ NA
48. Recognize need to engage in lifelong learning ① ② ③ ④ ⑤ ⑥ ⑦ NA
49. Understand contemporary issues ① ② ③ ④ ⑤ ⑥ ⑦ NA
50. Use modern engineering tools specific to your primary academic major ① ② ③ ④ ⑤ ⑥ ⑦ NA
51. Apply skills specific to your primary academic major ① ② ③ ④ ⑤ ⑥ ⑦ NA
52. Build knowledge from previous course work ① ② ③ ④ ⑤ ⑥ ⑦ NA
53. Build on skills from previous course work ① ② ③ ④ ⑤ ⑥ ⑦ NA
54. Incorporate engineering standards ① ② ③ ④ ⑤ ⑥ ⑦ NA

Program Outcomes and Assessment(cont)

To what degree did your engineering education enhance your ability to:

55. Pilot test a component prior to implementation ① ② ③ ④ ⑤ ⑥ ⑦ NA
56. Use text materials to support project design ① ② ③ ④ ⑤ ⑥ ⑦ NA

To what degree did your engineering education enhance your ability to understand the impact of engineering solutions in:

57. A global/societal context ① ② ③ ④ ⑤ ⑥ ⑦ NA
58. An economic context ① ② ③ ④ ⑤ ⑥ ⑦ NA
59. An environmental context ① ② ③ ④ ⑤ ⑥ ⑦ NA

System Design

To what degree did your system design experience address the following:

60. Economic issues ① ② ③ ④ ⑤ ⑥ ⑦ NA
61. Environmental issues ① ② ③ ④ ⑤ ⑥ ⑦ NA
62. Social issues ① ② ③ ④ ⑤ ⑥ ⑦ NA
63. Political issues ① ② ③ ④ ⑤ ⑥ ⑦ NA
64. Ethical issues ① ② ③ ④ ⑤ ⑥ ⑦ NA
65. Health and Safety issues ① ② ③ ④ ⑤ ⑥ ⑦ NA
66. Manufacturability issues ① ② ③ ④ ⑤ ⑥ ⑦ NA
67. Sustainability issues ① ② ③ ④ ⑤ ⑥ ⑦ NA

Laboratory Facilities

To what degree did laboratory facilities:

68. Establish an atmosphere conducive to learning ① ② ③ ④ ⑤ ⑥ ⑦ NA
69. Foster student/faculty interaction ① ② ③ ④ ⑤ ⑥ ⑦ NA

Course Comparison

70. **How did the quality of teaching in your Engineering courses compare to the quality of teaching in your Non-Engineering courses on this campus?**

far worse			comparable			far better
①	②	③	④	⑤	⑥	⑦

The Bottom Line - Overall Satisfaction

71. **To what extent did your Undergraduate Engineering program experience fulfill your expectations?**

far below	moderately below	slightly below	met expectations	slightly above	moderately above	far above
①	②	③	④	⑤	⑥	⑦

72. **When you compare the expense to the quality of your education, how do you rate the value of the investment you made in your Undergraduate Engineering program?**

very poor	poor	fair	good	very good	excellent	exceptional
①	②	③	④	⑤	⑥	⑦

73. **How inclined are you to recommend your Undergraduate Engineering Major to a close friend?**

not at all			moderately			extremely
①	②	③	④	⑤	⑥	⑦

74. **How inclined are you to recommend your Undergraduate Engineering School to a close friend?**

not at all			moderately			extremely
①	②	③	④	⑤	⑥	⑦

If your institution asked additional questions, record your responses below; if not, leave blank.

INSTITUTION SPECIFIC QUESTION RESPONSES

75. ① ② ③ ④ ⑤ ⑥ ⑦ NA
76. ① ② ③ ④ ⑤ ⑥ ⑦ NA
77. ① ② ③ ④ ⑤ ⑥ ⑦ NA
78. ① ② ③ ④ ⑤ ⑥ ⑦ NA
79. ① ② ③ ④ ⑤ ⑥ ⑦ NA
80. ① ② ③ ④ ⑤ ⑥ ⑦ NA
81. ① ② ③ ④ ⑤ ⑥ ⑦ NA
82. ① ② ③ ④ ⑤ ⑥ ⑦ NA
83. ① ② ③ ④ ⑤ ⑥ ⑦ NA
84. ① ② ③ ④ ⑤ ⑥ ⑦ NA