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(Your name and Date)

Assessment Questionnaire  
For the  
COMPUTER ENGINEERING PROGRAM (02/01/2012)

A group of professional engineering organizations, including the Accreditation Board for Engineering and Technology (ABET), has requested that each ABET accredited institution perform an outcomes assessment of its undergraduate programs. Since the assessment is in conjunction with our ABET accreditation, it is **mandatory**. Completing the questionnaire should not take you more than 30 minutes. We thank you in advance for your cooperation.

The questions are presented in three parts. The first part concerns the goals of engineering education, the second part concerns your assessment of the quality of the faculty, students, facilities and institutional support, and the third part is devoted to your immediate and long-term professional goals. You are requested to encircle numerical ratings. **Additional written comments on each question are strongly encouraged.**

I. Outcomes of the CE Program

**Please state the level to which you have attained the following as a result of your education at Johns Hopkins.** Circle the appropriate number on the scale, and **comment on particular courses or educational experiences that contributed to your development.**

4 = highly developed  
3 = substantially developed  
2 = moderately developed  
1 = slightly developed  
0 = undeveloped.

1. *Ability to apply knowledge of mathematics*

4    3    2    1    0

2. *Ability to apply knowledge of science*

4    3    2    1    0

3. *Ability to apply knowledge of engineering*

4    3    2    1    0

4. *Ability to design experiments*

4    3    2    1    0

5. *Ability to conduct experiments*

4    3    2    1    0

6. *Ability to analyze data*

4    3    2    1    0

7. *Ability to interpret data*

4    3    2    1    0

8. *Ability to design a system to meet desired needs*

4    3    2    1    0

9. *Ability to design a component to meet desired needs*

4    3    2    1    0

10. *Ability to design within environmental constraints*

4    3    2    1    0

11. *Ability to design within social constraints*

4    3    2    1    0

12. *Ability to design within political constraints*

4    3    2    1    0

13. *Ability to design within ethical constraints*

4    3    2    1    0

14. *Ability to design within health and safety constraints*

4    3    2    1    0

15. *Ability to design within manufacturability constraints*

4    3    2    1    0

16. *Ability to design within sustainability constraints*

4    3    2    1    0

17. *Ability to function on multidisciplinary teams*

4    3    2    1    0

18. *Ability to identify engineering problems*

4    3    2    1    0

19. *Ability to formulate engineering problems*

4    3    2    1    0

20. *Ability to solve engineering problems*

4    3    2    1    0

21. *Understanding of professional responsibility*

4    3    2    1    0

22. *Understanding of ethical responsibility*

4    3    2    1    0

23. *Ability to communicate orally*

4    3    2    1    0

24. *Ability to communicate in writing*

4    3    2    1    0

25. *Ability to understand the impact of engineering solutions in a global context*

4    3    2    1    0

26. *Ability to understand the impact of engineering solutions in an economic context*

4    3    2    1    0

27. *Ability to understand the impact of engineering solutions in an environmental context*

4    3    2    1    0

28. *Recognition of the need for life-long learning*

4    3    2    1    0

29. *Ability to engage in life-long learning*

4    3    2    1    0

30. *Knowledge of the relationship between technology and society*

4    3    2    1    0

31. *Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice*

4    3    2    1    0

## II. **Advising**

- 4 = exceeded
- 3 = met
- 2 = mostly met
- 1 = somewhat met
- 0 = not met.

**Please rate your level of satisfaction with the quality of advising that you received from**

1. *Your 1<sup>st</sup> major department (faculty advisor, website, manuals, coordinators, etc.) on course selection*

4    3    2    1    0

2. *Your 1<sup>st</sup> major department on post-graduation employment*

4    3    2    1    0

3. *Your 1<sup>st</sup> major department on graduate education*

4    3    2    1    0

4. *The Engineering Advising Office (New Engineering Building) on major selection*

4    3    2    1    0

5. *The Engineering Advising Office on course selection*

4    3    2    1    0

6. *The Engineering Advising Office on post-graduation employment*

4    3    2    1    0

7. *The Engineering Advising Office on graduate education*

4    3    2    1    0

8. *The Counseling Center (Garland Hall) on major selection*

4    3    2    1    0

9. *The Career Center (Garland Hall) on post-graduation employment*

4    3    2    1    0

10. *The Career Center on graduate education*

4    3    2    1    0

11. *The Pre-Professional Advising Office on major selection*

4    3    2    1    0

12. *The Pre-Professional Advising Office on post-graduation employment*

4    3    2    1    0

13. *The Pre-Professional Advising Office on graduate education*

4    3    2    1    0

14. *JHU (overall) on course selection*

4    3    2    1    0

15. *JHU (overall) on major selection*

4    3    2    1    0

16. *JHU (overall) on post-graduation employment*

4    3    2    1    0

17. *JHU (overall) on graduate education*

4    3    2    1    0

### **III. Facilities**

4 = exceeded

3 = met

2 = mostly met

1 = somewhat met

0 = not met.

**Please rate your level of agreement with the following statements:**

1. The classroom facilities were adequate

4 3 2 1 0

2. The laboratory facilities were adequate

4 3 2 1 0

3. Computing facilities were adequate

4 3 2 1 0

4. Classrooms provided an environment conducive to learning

4 3 2 1 0

5. Laboratories provided an environment conducive to learning

4 3 2 1 0

6. Facilities were available for student-faculty interaction

4 3 2 1 0

7. Facilities were available for professional activities

4 3 2 1 0

8. Facilities were available to encourage my professional development

4 3 2 1 0



9. *Facilities enabled me to learn how to use modern engineering tools*

4      3      2      1      0

**IV. Your Plans and Miscellaneous Information**

A. Immediate Plans

1. a. *If you plan to work - how many firms did you apply to? How many offers do you have?*

b. *If you plan full-time graduate study, where did you apply and where were you accepted?*

2. *If you now have accepted or plan to accept an offer, what is the name and location of your work or school?*

3. *In what area of ECE do you plan to work?*

4. *If you will be employed after graduation, do you plan to attend graduate school on a part-time basis? If so, in what area of study?*

5. *Have you taken the Fundamentals of Engineering exam, or the GRE? If so, please comment on your performance.*

B. Long-Term Plans

1. *Do you plan to become a professionally registered engineer when eligible?*

2. *Where do you see yourself 10 years from now?*

*Professional Practice*

*Engineering Management*

*Teaching and/or research*

*Other professions such as business, law, etc.*

*Other (Please specify below)*

C. Miscellaneous Information

1. *Were you a student member of IEEE? Why? Do you plan to continue?*

2. *What plans do you have for remaining in contact with Hopkins' students, faculty and staff?*

3. *Please give an address and email address at which you can be reached within the next year.*