



Jordan University of Science and Technology Faculty of Engineering

Graduating Senior Exit Survey

This survey is designed to get your opinion on the curriculum of your department. Your responses will remain anonymous. The information you provide will help us improve the engineering education at JUST.

Thank you for taking the time to fill out this survey. Please enter your responses using a “X” mark in the space provided after each question. If you encounter some questions about issues that are unfamiliar to you, please answer to the best of your ability.

Name: _____

Student ID#: _____

Transfer Student? ____ No ____ Yes,

Check one: Less than 24 hrs of transfer credits ____ More than 24 hrs of transfer credit ____

Gender

Female

Male

1. Reasons for choosing this program (Check all that apply)

- Interest in math, chemistry, or physics
- Interest in engineering
- Influenced by friend or family
- Influenced by faculty
- Reputation of the field
- High starting salary
- Work experience
- High school average
- Other reasons, please list _____

2. Career plans (Check all that apply)

- Graduate School
- Industry
- Government
- Military
- Other, please name _____

For the following statements, circle the number that corresponds to how strongly you disagree or agree with each item.

1- Strongly Disagree 2- Disagree 3- Neutral 4- Agree 5- Strongly Agree

3. Since my admission to JUST, I am satisfied with the curriculum and course advisement I have received.

1 2 3 4 5

4. Since my admission to JUST, I am satisfied with the career and professional advisement I have received.

1 2 3 4 5

5. I prefer studying alone. 1 2 3 4 5

6. I am confident in my physics skills. 1 2 3 4 5

7. I am confident in my math skills. 1 2 3 4 5

8. I am confident in my biology knowledge. 1 2 3 4 5

9. I am confident in my physiology knowledge 1 2 3 4 5

10. I understand how to collect laboratory data. 1 2 3 4 5

11. I enjoy problems that can be solved in different ways. 1 2 3 4 5

12. Creative thinking is one of my strengths. 1 2 3 4 5

13. I am good at designing things. 1 2 3 4 5

14. I have strong problem solving skills, especially that concern the interface between living and nonliving interface. 1 2 3 4 5

15. I understand the professionalism that goes with being an engineer. 1 2 3 4 5

16. I can write effectively. 1 2 3 4 5

17. I have computer-programming skills. 1 2 3 4 5

18. I can make effective presentations in front of others. 1 2 3 4 5

19. I enjoy taking courses other than engineering. 1 2 3 4 5

20. I can effectively communicate my ideas to another person. 1 2 3 4 5

21. I am confident in my ability to use computers to solve engineering problems. 1 2 3 4 5

22. I enjoy using computers. 1 2 3 4 5

23. I am confident in my speaking skills. 1 2 3 4 5

24. Engineers have contributed to solving problems in the world. 1 2 3 4 5

25. I enjoy learning about new technology. 1 2 3 4 5

26. Studying in a group is more effective than studying by myself. 1 2 3 4 5

27. I care about punctuality and class attendance. 1 2 3 4 5

28. I have a good understanding of the principles of ethics for engineering. 1 2 3 4 5

29. I was informed in my classes about the impact of engineering solutions on Jordan (e.g., air pollution, traffic jams, economic development, etc.)

1 2 3 4 5

30. The humanities and social sciences courses that I took did influence my thinking about the role of engineering in society.

1 2 3 4 5

31. I like to read technical and non-technical engineering periodicals.

1 2 3 4 5

32. I like to read non-Biomedical engineering periodicals.

1 2 3 4 5

33. I attend our department seminars regularly.

1 2 3 4 5

34. The courses I took helped me organize ideas, information, and experiences to be able to solve new and more complex problems.

1 2 3 4 5

35. I have received adequate laboratory experience.

1 2 3 4 5

36. My first-year college Math and Physics courses helped me improve my Math and Physics skills needed for Biomedical Engineering.

1 2 3 4 5

37. I have been required to use the following computer tools in my coursework (answer for all computer tools):

1-Never 2- Rarely 3-Occasionally 4-Frequently 5-Intensely

| | | | | | |
|---|---|---|---|---|---|
| Word Processing (Word or WordPerfect for example) | 1 | 2 | 3 | 4 | 5 |
| Presentation Preparation (PowerPoint for example) | 1 | 2 | 3 | 4 | 5 |
| Information Access (web browsing for example) | 1 | 2 | 3 | 4 | 5 |
| Communication (e-mail for example) | 1 | 2 | 3 | 4 | 5 |
| Spreadsheets (Excel for example) | 1 | 2 | 3 | 4 | 5 |
| CAD (AutoCAD or Solidworks for example) | 1 | 2 | 3 | 4 | 5 |
| Simulation and Modeling (Simulink, PSpice, or Logic Works for example) | 1 | 2 | 3 | 4 | 5 |
| Symbolic Mathematics (Maple or MATLAB for example) | 1 | 2 | 3 | 4 | 5 |
| Programming (C++, MATLAB, Visual Basic, or Java for example) | 1 | 2 | 3 | 4 | 5 |
| Data Acquisition (Labview for example) | 1 | 2 | 3 | 4 | 5 |
| Computational tools (MATLAB or Mathcad, for example) | 1 | 2 | 3 | 4 | 5 |
| Data Base (Access, for example) | 1 | 2 | 3 | 4 | 5 |

38. I have participated in the following learning experiences outside of required course activities (answer each):

| 1- Never | 2- At Least Once | 3- Several Times | 4- Occasionally | 5- Regularly | |
|---|-------------------------|-------------------------|------------------------|---------------------|---|
| Working with JUST faculty on research | 1 | 2 | 3 | 4 | 5 |
| Working outside JUST on research | 1 | 2 | 3 | 4 | 5 |
| Internships and Training | 1 | 2 | 3 | 4 | 5 |
| Workshops and/or conferences | 1 | 2 | 3 | 4 | 5 |
| Reading technical magazines and/or journals | 1 | 2 | 3 | 4 | 5 |
| Attending professional society meetings | 1 | 2 | 3 | 4 | 5 |
| Using the internet as a learning resource | 1 | 2 | 3 | 4 | 5 |
| Interacting with technology practitioners | 1 | 2 | 3 | 4 | 5 |
| Seeking out new cultural experiences | 1 | 2 | 3 | 4 | 5 |
| Community service | 1 | 2 | 3 | 4 | 5 |

Please feel free to provide any further comments on your program curriculum and your educational experience at JUST, and to make suggestions on ways that your department and curriculum could be improved.

Please provide us with your suggestions or comments on the following:

1. *What can we do better to improve our services to students?*

2. *What can we do better to improve the curriculum?*

3. *What do you think are the strong and weak points of our program?*