



Jordan University of Science and Technology
Faculty of Engineering

Biomedical Engineering Department

Alumni Survey

Name: _____

Employer: _____ **Division:** _____

Government **Private** **Self-employment**

Address: _____

City: _____ **Phone:** (_____) _____ **Fax:** (_____) _____

e-mail: _____

Year of B.Sc. Degree: _____

Current Highest Degree: B.Sc. M.Sc. Ph.D.

Current Position: _____

Primary Job Function:

| | | |
|--|---|---|
| <input type="checkbox"/> Design | <input type="checkbox"/> Maintenance | <input type="checkbox"/> Research and Development |
| <input type="checkbox"/> Operation | <input type="checkbox"/> Sales | <input type="checkbox"/> Testing |
| <input type="checkbox"/> Computer Applications | <input type="checkbox"/> Purchasing / Procurement | <input type="checkbox"/> Education |
| <input type="checkbox"/> Construction | <input type="checkbox"/> Other (specify) _____ | |

RECOMMENDED PROCEDURE:

Please rate the following abilities, attributes, and skills that JUST has equipped you with during your study. **FIRST**, rate how important each has been relative to your needs and employment experience since graduation, **SECOND**, rate how JUST has prepared you in each.

| Abilities, Attributes, and Skills | Importance | | | Rating of JUST in providing abilities, attributes, and skills | | | | |
|--|--------------------------|--------------------------|--------------------------|---|--------------------------|--------------------------|--------------------------|--------------------------|
| | <i>Low</i> | <i>Medium</i> | <i>High</i> | <i>Very Low</i> | ←————→ | | | <i>Very High</i> |
| | | | | 1 | 2 | 3 | 4 | 5 |
| 1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. An ability to communicate effectively with a range of audiences | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

- | | | |
|--|--|--|
| 8. An ability to demonstrate adequate knowledge of biology, physiology, chemistry and the capability of applying advanced mathematics (including differential equations, statistics and calculus-based physics), science, and engineering to solve the problems at the interface of engineering and biology. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9. An ability to make measurements on, interpret data from, and model living systems and biomedical devices addressing the problems associated with the interaction between living and non-living materials and systems. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

Please feel free to provide any further comments on the program curriculum and your educational experience at JUST, and to make suggestions on ways to improve the department and curriculum.
