



Jordan University of Science and Technology

Faculty of Engineering

Nuclear 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:

Design Maintenance Research and Development

Operation Sales Testing

Computer Applications Purchasing / Procurement Education

Construction 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				
	Low	Medium	High	Very Low	←————→			Very High
				1	2	3	4	5
A. Apply mathematics, and scientific principles and methods.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Design, conduct experiments, analyze, and interpret experimental data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Design a system, component, or process to meet the desired need and apply modern computer tools and packages for process design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Function cooperatively on multi-disciplinary teams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Identify, formulate, and solve engineering problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Understand professional and ethical responsibility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. Communicate effectively in oral, written, graphical and visual forms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H. Understand the impact of engineering solutions in a global and local context	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I. Independently seek new knowledge using various resources and are motivated to pursue further education and training	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
J. Stay updated on current technology trends and adapt to advances in technologies and disciplines related to their field	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K. Effectively use technology (e.g. computers, software, high tech equipment, etc..) in engineering practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Abilities, Attributes, and Skills</i>	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. Graduates will have fundamentals and the necessary knowledge to pursue successful careers and cope with contemporary issues in nuclear engineering.	<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. Graduates will master laboratory techniques and data handling strategies such as data acquisition, interpretation, and analysis.	<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. Graduates will be equipped with the basics of nuclear technologies, radiation measurements, and nuclear reactor engineering principles.	<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. Graduates will be familiar with various nuclear power plant designs and technology.	<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. Graduates will be able to excel as project team members with effective communication skills.	<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. Graduates will be well prepared to pursue their postgraduate studies in nuclear engineering or other related fields.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

