



## Employer Survey

The faculty members and students of the Faculty of Engineering at King Abdulaziz University are dedicated to the continuous improvement of the undergraduate engineering programs. The information that you provide through this survey will be very helpful in this process. We appreciate your help in filling out this survey. Thank you for your cooperation and support.

Name: \_\_\_\_\_  
Company/ Organization: \_\_\_\_\_ Department/ Division: \_\_\_\_\_  
Position: \_\_\_\_\_ Years in Position: \_\_\_\_\_  
E-mail: \_\_\_\_\_ Tel: \_\_\_\_\_ Fax: \_\_\_\_\_

Which **ONE** of the following best describes your organization as a whole?

- Governmental     Private     Military     Academia/ Research  
 Other (please specify) \_\_\_\_\_

Job nature of the engineering staff in your organization (e.g. design, programming, maintenance, procurement, etc): \_\_\_\_\_

Majors of KAU Engineers being evaluated by this survey:

- |                                       |   |   |
|---------------------------------------|---|---|
| <input type="checkbox"/> Aeronautical | <input type="checkbox"/> Computer & Control           | <input type="checkbox"/> Mining                 |
| <input type="checkbox"/> Biomedical   | <input type="checkbox"/> Electric Power & Machine     | <input type="checkbox"/> Nuclear                |
| <input type="checkbox"/> Chemical     | <input type="checkbox"/> Electronics & Communications | <input type="checkbox"/> Production & Mechanic  |
| <input type="checkbox"/> Civil        | <input type="checkbox"/> Industrial                   | <input type="checkbox"/> Thermal & Desalination |

Number of all engineers in your organization (if known): \_\_\_\_\_

Percentage of KAU engineering graduates in your organization (if known): \_\_\_\_\_

Number of all new engineers joining your organization each year in (if known): \_\_\_\_\_

Percentage of KAU engineering graduates joining your organization each year (if known): \_\_\_\_\_

Did your organization provide additional (on the job or off the job) training in the first year of recruitment to improve your newly appointed engineers?

- Yes     No

If yes, what training did you provide? Please be specific.

---

---

---

---



Please, rate the following abilities, attributes, and skills:

**To the left**, rate the importance of each item according to the needs of your business relative to a new engineer joining your company/organization.

**To the right**, rate each item relative to how you have observed our recent graduates' abilities.

**If an item is not applicable, please leave it blank.**

Importance					Assessment									
Not important	Somewhat important	Important	Very important	Essential	<u>Skills, abilities and attributes</u>					Not prepared	Somewhat prepared	Prepared	Well prepared	Very well prepared
1	2	3	4	5	<b>Do our graduates have <u>the ability to</u>:</b>					1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1.	Apply knowledge of mathematics, science, and engineering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	2.	Design and conduct experiments, analyze and interpret data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	3.	Design a system, component or process to meet desired needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	4.	Function on multi-disciplinary or cross-functional teams	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	5.	Identify, formulate and solve engineering problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	6.	Communicate orally: (informally and in prepared talks)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	7.	Communicate in writing: (reports, letters, memos, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	8.	Recognize the need for, and engage in life-long learning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	9.	Use the techniques, skills, and modern engineering tools necessary in engineering practice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	10.	Find suitable job to engage in a productive career in his field of study	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	11.	Advance in responsibility and leadership in his career	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	12.	Demonstrate commitment to personal professional development	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	13.	Contribute to the well being of the society and the development of the profession	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
					<b>Do our graduates have <u>an understanding of</u>:</b>									
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	14.	Leadership skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	15.	Professional & ethical responsibility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	16.	Impact of engineering solutions on society and environment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	17.	Modern (contemporary) social, economic and cultural issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Are there other attributes your organization or unit finds important when employing graduates?

Please outline these below.

---



---



---

**How do KAU graduates compare with graduates from other universities?**

- Much better     Somewhat better     About the same     Not as good     Much worse

**What particular strengths do KAU Engineering graduates possess?**

---

---

---

---

**In what areas does KAU Faculty of Engineering need to improve its preparation of graduates for employment?**

---

---

---

---

**Would you or another person within your organization be interested in participating in a lunch briefing with other employers and faculty members on the results of this survey?**

- Yes     No

**If you responded yes, please provide contact details below:**

Name: \_\_\_\_\_  
Company/ Organization: \_\_\_\_\_  
Department/ Division: \_\_\_\_\_  
Position: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Tel: \_\_\_\_\_  
Fax: \_\_\_\_\_

---

**Thank you for your participation and response**