
Graduate Unit at College of Engineering Najran University

1. General background of the graduates unit at the College of Engineering

The College of Engineering was established to connect college graduates with the college administration and create a better communication opportunity for feedback from graduate students and employers in order to continuously improve outputs. The unit aims to establish and follow up a database of graduates and establish a database for institutions and partnerships related to graduates. The unit also contributes effectively in preparing graduates for the labor market by raising their skills and honing their skills through organizing a series of excellent training programs, and also by contributing to organizing the professional day to activate communication between graduates and community institutions.

1. Vision

Continuous communication and genuine partnership with graduates of the Faculty of Engineering

2. Mission

Enhancing university graduates by communicating with them, exchanging experiences and knowledge, and inviting them to actively participate in various university events.

3. Objectives

The graduates' office aims to:

1. Building communication ties between the university and its graduates.
2. Establishment of an information base, interested graduates and the mechanism of communication with them.
3. Keep graduates informed of all academic and research developments inside and outside the university.
4. Instructing graduates and directing them to the available job opportunities or appropriate graduate programs.

5 - Benefit from the experiences of graduates in:

To achieve the future vision of the university.

- Development of academic, research and training plans commensurate with the latest developments and needs of the labor market.
- Organizing and enriching the activities and activities organized by the university such as conferences, seminars and workshops.
- Partnering with a number of companies outside the university.

4. Employees of Alumni Unit at the College of Engineering

Name	Mansour AlQahtani (Supervisor)
Email	mjalqahtani@nu.edu.sa
Mobile	0559220773
Name	Dr. Ibrahim Yahya Hakim (Head of Alumni Unit)
Email	iyhakeem@nu.edu.sa
Mobile	0569584746
Name	Abdullah Abdulwahab Alarfaj
Email	aaalarfaj@nu.edu.sa
Mobile	8635 extension
Name	Ahmed Al Dashl
Email	aealdashel@nu.edu.sa
Mobile	7137extension

5. Specification of graduates from the College of Engineering

With the completion of the student to study in the various programs of the College such as the civil engineering program, the program of electrical engineering and architecture program will be able to do the following:

1. Identify and apply knowledge in mathematics, science and engineering in solving electrical, civil and architectural engineering problems.
2. Design and conduct experiments, as well as analyze and interpret the data required to carry out electrical, civil and architectural engineering projects.
3. Optimal design of electrical, civil and architectural engineering systems or their components to meet the needs of users within realistic constraints such as economic, environmental, social, political, ethical, health, safety and sustainability constraints.
4. To work effectively in a multi-disciplinary team in the projects of electrical, civil and architectural engineering.
5. Identify, formulate and solve electrical, civil and architectural engineering problems, evaluate and compile information in order to provide the best alternative solutions.
6. Act professionally and morally and realize the impact of responsibility in the projects of electrical engineering, civil and architectural.
7. Effective communication and preparation of professionally written materials, both graphic and oral or written presentations.
8. Identify the broad culture necessary to understand the impact of engineering solutions on the economic, environmental and community aspects and improve the quality of life.
9. Realize the need to continue lifelong learning and engage in continuing education for professional issues and engineering skills.
10. Understand the importance of knowledge of contemporary issues in the fields of electrical engineering, civil and architectural.
11. Use of modern engineering techniques and skills and tools in electrical, civil and architectural engineering practices.

6. Career prospects for graduates of the College of Engineering

Jobs for graduates of the Department of Electrical Engineering:

- Government, civil and military sector
- Communications companies
- Electricity Company
- Aramco
- Public institutions
- Academic field (Master's degree - PhD)

Civil Engineering Graduate Job Opportunities

- Public sector: ministries, municipalities, public and engineering centres, and research centres.
- Private sector: contracting companies, corporations investing in construction, transport, and water infrastructure, concrete-soil testing agencies.
- Self- owned company.
- Academic jobs: (Postgraduate studies: Master and PhD).

Architectural Engineering Graduate Job Opportunities

- Public sector: ministries, municipalities, public and engineering centres, and research centres.
- Private sector: contracting companies, corporations investing in construction, companies specialised in designing and evaluating building systems by computer simulation.
- Establishing private engineering companies: private engineering/consulting agencies, construction contracting companies.
- Academic jobs: engineering training and education.

7. Activities and Training courses at the College of Engineering in 2017/2018

Activities Executed

Activity Category	Training Courses	Execution	
		Executed	Not executed
Training Courses and Workshops	Professional CV writing	✓	
	How to prepare for personal interviews	✓	
	How to select the suitable job	✓	
	Self-improvement and self-marketing	✓	
	Contract preparation of small projects	✓	
	Engineering project management	✓	
	Modern engineering interpretation (By value engineering, building/smart cities and green buildings)	✓	
	Standards preparation	✓	
	How to prepare graduation project report	✓	
	Programming using MATLAB	✓	
	CV preparation skills (1)	✓	
	Skills for passing personal interview (1)	✓	

Activities under Execution

Activity category	objectives	Resources needed	Performance indicators	Execution responsibility	Execution monitoring
Establishing Data-Base for graduates	<ul style="list-style-type: none"> • Updating graduates information (current work location and contacts) • Updating the about to graduate students in order to prepare trainings and workshops to improve student skills and future career objectives 	Students affairs - (admission and enrolment) – Graduate unit at the college	Percentage of completed graduate data to the total of college graduates and surveys number filled by graduates for feedback and improvements purposes to pursue industry market and needs (i.e. academic plan, research and training courses)	Graduate unit at the college with cooperation with related departments	Head of the graduate unit at the college
Preparation and Setting Annual Career Day	<ul style="list-style-type: none"> • Contributing at the organisation for the annual career day • Coordination with contributing sectors and assist to 	Public relationships and media, students affairs, and college deans	Number of contributing corporations and sectors Number of graduates contributed actively at career day	A committee made by the university president for whom seen fit	university vice-president for postgrad studies and scientific research

	<p>recognise the connection and work needs</p> <ul style="list-style-type: none"> • Assist graduates to know the needs of industry market and current trends and future developments • Surveys for graduates and contributing sectors to know their impression on career day 		<p>Number of graduates who find opportunities via the career day</p>		
Training Courses	CV preparation skills (2)	Faculty teaching members	Number of expected graduate students actively contributing at this course	Graduate unit at the college with cooperation with related departments	Head of the graduate unit at the college
	Skills for passing personal interview (2)	Faculty teaching members	Number of expected graduate students actively contributing at this course	Graduate unit at the college with cooperation with related departments	Head of the graduate unit at the college