

2017

جامعة  
الملك سعود  
King Saud University



1438

## College of Engineering

### Vision

To be a world class college and a pioneer in engineering education, innovative research and building knowledge economy.

### Mission

To provide high quality education programs that address the changing needs of future engineers, serve the profession and contribute to the advancement and well-being of the society by creating and disseminating knowledge and technology to future generations through teaching, research and partnership with industry and government.

### Strategic Objectives

- 1- Provide excellent academic programs that best reflect the current needs and requirements of the profession.
- 2- Recruit, nurture and retain outstanding students.
- 3- Recruit, nurture and retain outstanding faculty.
- 4- Empower the College Research.
- 5- Establish a strong outreach and external business collaborations with industry, government and other entities in the society.
- 6- Establish and maintain effective and efficient support services, facilities, and infrastructure.

### Facts about the College of Engineering

- The first College of Engineering in the Kingdom of Saudi Arabia and the Arabian Gulf.
- It was founded in 1962.
- Its B.Sc. programs are accredited by both the Accreditation Board of Engineering and Technology (ABET) and the National Commission for Assessment and Academic Accreditation (NCAAA).
- 80 patents have been granted to faculty members since college establishment.
- In 2016, faculty members published 293 papers in ISI journals, presented 104 papers in local and international conferences and symposia, and translated and/or authored 12 books. In addition, 16 local & international scientific awards were awarded to faculty members.

### Academic Programs

Civil Engineering	B.Sc. in Civil Engineering M.Sc. in Civil Engineering	B.Sc. in Surveying Engineering PhD in Civil Engineering
Electrical Engineering	B.Sc. in Electrical Engineering PhD in Electrical Engineering	M.Sc. in Electrical Engineering
Mechanical Engineering	B.Sc. in Mechanical Engineering M.Sc. in Material engineering	M.Sc. in Mechanical Engineering PhD in Mechanical Engineering
Chemical Engineering	B.Sc. in Chemical Engineering M.Sc. in Polymers Engineering	M.Sc. in Chemical Engineering PhD in Chemical Engineering
Industrial Engineering	B.Sc. in Industrial Engineering Higher Diploma in Occupational Safety Engineering	M.Sc. in Industrial Engineering PhD in Industrial Engineering
Petroleum and Natural Gas Engineering	B.Sc. in Petroleum and Natural Gas Engineering	M.Sc. in Petroleum and Natural Gas Engineering
Joint Academic Programs	M.Sc. in Renewable Energy (Departments of Mechanical, Electrical and Chemical Engineering, and Departments of Physics and Chemistry - College of Sciences) M.Sc.in Nuclear Energy – Under development (Departments of Electrical, Mechanical, and Chemical Engineering)	M.Sc. in Water Desalination (Departments of Mechanical and Chemical Engineering) Master of Environmental Sciences (Colleges of Engineering, Sciences, Pharmacy, and Food & Agricultural Sciences)

## Faculty members & Students

Department	No. of Faculty	No. of Lecturers and TAs	No. of B. Sc. Students	No. of B.Sc. Graduates (2015/2016)	No. of M.Sc. Students	No. of PhD Students
Civil Engineering	56	54	421 Civil 89 Surveying	101 Civil 9 Surveying	33 Civil -	11 Civil -
Electrical Engineering	52	13	391	105	66	36
Mechanical Engineering	41	5	469	45	10	4
Chemical Engineering	29	4	243	235	28	3
Petroleum and Natural Gas Engineering	9	7	42	7	9	-
Industrial Engineering	29	23	271	63	25	11
Not Assigned Students	-	-	860	-	-	-
<b>Total</b>	<b>216</b>	<b>106</b>	<b>2786</b>	<b>418</b>	<b>171</b>	<b>71</b>

## Alumni and Employment Website

The site was launched in the second semester of the academic year 2014-2015, and can be accessed through the college web site; <http://engineering.ksu.edu.sa/en>

## College Newsletter: "College of Engineering Community"

A newsletter published each semester in both Arabic & English, and is available on the college website. Its main aim is to develop a means of communication among the college students, graduates, faculty staff, and administration through recognizing the college achievements and activities. It is considered a channel to help the community knows about the college and its activities in order to reinforce the culture of partnership and communication.

## Sponsoring Programs for Outstanding Students

Organization	Number of Students
Royal Saudi Air Force	48
SABIC	86

## Student Center for creativity & Innovation

The college established an innovation center in May of 2015 so as to develop students' innovative and creative thinking and to enhance their skills and knowledge by securing an environment that is supportive of innovation and that would help generate creative ideas transformable into value-added process model.

## Research Institutes and Research Centers

1- College of Engineering Research Center.	2- Prince Sultan Advanced Technology Institute.
3- Advanced Manufacturing Institute.	4- Research Center of sustainable Energy Technologies.
5- SABIC Polymer Research center.	6- Center of Excellence for Research in Engineering Materials.
7- Center of Excellence for Concrete Research. & Testing	8- Technical innovation Center for Radio and Photonics.

## Research Chairs

No	Chair	Department
1	Prince Khalid Bin Sultan Chair for Water Research	Civil Engineering
2	Al Zamil Group Chair for Electricity Conservation	Civil Engineering
3	Chair of Sheikh Mohammed Bin Laden for Research and Studies in Rehabilitation of Structures	Civil Engineering
4	Eng. Abdullah Bugshan Research Chair for Expansive Soils	Civil Engineering
5	Saudi Aramco Chair of Earthquake Engineering	Civil Engineering
6	Saudi Aramco Chair in Electrical Power	Electrical Engineering
7	Saudi Electric Company Chair in Power Systems Reliability and Security	Electrical Engineering
8	Sheikh Mohammed Bin Hussein Al-Amoudi Research Chair for Petroleum-Enhanced Oil Recovery	Petroleum and Natural Gas Engineering
9	Princess Fatima Alnagras's Research Chair for Advanced Manufacturing Technology	Industrial Engineering
10	Prince Mohamed Bin Naif Chair for Traffic Safety Research	Industrial Engineering

## The Journal of King Saud University (Engineering Sciences)

The Journal of King Saud University (Engineering Sciences) is published biannually by the College of Engineering. As of January 2010 the Journal has started publishing papers through Elsevier Publishing and online hosting.