

About the Department of Electrical Engineering:

The Department of Electrical Engineering was established in 2012 offering an Electrical Engineering Program for the undergraduate studies, due to the local and regional labor markets demand for electrical engineers. The department has a high caliber, well experienced staff with high academic ranks. At the beginning, seven students joined the program on the second semester of the academic year (2011 / 2012). Since then there has been an increase in the number of students enrolled in the program. In this academic year (2016/2017), the total number of students reached 94.

The electrical engineering department includes many specialized laboratories such as electrical circuits, devices and measurements, electrical machines, electric power, power electronics, lighting design, electrical wiring, engineering works and engineering drawings.

The Department offers different ancillary courses for other engineering departments such as Electronic and Communication Engineering, Computer Engineering, Medical Engineering and Civil Engineering.



Mission:

Our mission is to achieve excellence in the quality of our graduates academically and professionally to meet the requirements of the local and regional labor markets; to keep up with the technological advancements in the field and to stimulate and strengthen scientific research in Electrical Engineering

Program Educational Objectives (PEOs):

Graduates of the Electrical Engineering Program will be able to:

1. Identify, analyze, formulate, and solve electrical engineering problems associated with the workplace, both independently and in a multidisciplinary team environment.
2. Demonstrate commitment and progress in a continuous learning, professional development, and leadership.
3. Apply the acquired knowledge in serving the society and understand the professional and ethical responsibilities.
4. Design electrical systems.



Student Outcomes (SOs):

- a** an ability to apply knowledge of mathematics, science, and engineering.
- b** an ability to design and conduct experiments, as well as to analyze and interpret data.
- c** an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- d** an ability to function on multidisciplinary teams.
- e** an ability to identify, formulate, and solve engineering problems.
- f** an understanding of professional and ethical responsibility.
- g** an ability to communicate effectively.
- h** the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
- i** a recognition of the need for, and an ability to engage in life-long learning. a knowledge of contemporary issues.
- k** an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Relationship between PEOs & SOs

PEOs	EE SOs										
	a	b	c	d	e	f	g	h	i	j	k
1	√	√		√	√		√				√
2			√	√		√		√	√	√	
3			√	√		√	√	√	√		
4	√	√	√		√			√			√



جامعة عمان الأهلية
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