

جَامِعَةُ عَمَّانِ الْأَهْلِيَّةِ

Al-Ahliyya Amman University



Faculty of Engineering

Department of

*Electronics and Communications
Engineering*



Contact Information

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Program Educational Objectives (PEOs):

The Electronics and Communications Engineering aims to prepare graduates who are able to;

1. apply breadth and depth of knowledge, critical thinking, and problem solving skills to excel in professional careers, and address contemporary real life issues related to electronics and communications engineering.
2. pursue graduate degrees and engage in professional development and lifelong learning.
3. communicate and work effectively in a team environment, and demonstrate commitment to the professional and ethical standards of engineering.
4. attain leadership roles in the profession and community.

Overview:

The Department of Electronics and Communications Engineering was established in September 1992 to meet the market demands for qualified engineers both locally and regionally. The department offers two degrees; the Bachelor of Science in Electronics and Communications Engineering and the Master in Communications. Our efforts are focused on providing students with the necessary knowledge and experience that enable them to compete in the labor markets of the 21st century. More than 1000 engineers (Bachelor and Master Degrees) have graduated from the department and are serving their communities by working in private corporations or local governments.

The department has qualified and experienced full-time faculty members consisting of two professors, two associate professors, four assistant professors, and one lecturer. The Department of Electronics and Communications Engineering has a range of well-equipped laboratories such as Electronics, Digital Electronics, Analogue Communication and Digital Communication labs.

The department constantly updates its program to meet the future needs. In this context, the department has established a system that conforms to the highest academic standards in order to be accredited by (ABET).

Mission:

Our mission is to distinctively graduate qualified Engineers who are able to keep up with the emerging technologies in the field of electronics and communications engineering and to promote scientific research.



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.
- j** a knowledge of contemporary issues.
- k** an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

