



Faculty of Engineering

Department of

Electronics and

Communications

Engineering

(ECE)

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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; Bachelor of Science in Electronics and Communications Engineering and a Master degree in Communications Engineering.

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's and Master's 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 one professor, three associate professors, two 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.

Mission

Our mission is to distinctively prepare qualified engineers who will be able to meet labor market needs and to keep up with the emerging technologies in the field of electronics and communications engineering and to promote scientific research.

Program Educational Objectives (PEOs)

The objectives of the Electronics and Communications Engineering program are to produce graduates who:

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 profession and community.

Student Outcomes (SOs)

Student will be able to demonstrate:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.



4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Mapping Between PEOs & SOs

PEOs	SOs						
	1	2	3	4	5	6	7
1	■	■	◐	◐	□	■	◐
2	◐	□	■	■	□	□	■
3	□	◐	□	■	■	■	□
4	□	□	■	■	■	◐	◐

Strongly correlated
 Moderately correlated
 Somewhat correlated