NEAR EAST UNIVERSITY

DEPARTMENT OF Electrical and Electronic Engineering

Program Outcomes

2021-2022

Key Learning Outcomes

A list of the intended learning outcomes of the bachelor's degree program is given below:

1. Ability to apply mathematics, science, and engineering knowledge to understand electrical engineering related events
2. Ability to design and conduct experiments, and computer simulations, and be able to analyze data.
3. Ability to design electric and electronic devices and products.
4. Ability to work with multi-disciplinary engineering sciences.
5. Ability to identify and solve problems using technical literature for research tasks and system design.
6. Be able to understand professional, ethical responsibilities and standards of engineering practice.
7. Be able to understand the effect of engineering in a global, economic, environmental, and societal setting.
8. Be able to use engineering techniques, skills, and tools for practice and product development.

For the master's degree program, these are:

1. Ability to apply fundamental knowledge of science and electrical engineering.
2. Ability to identify, formulate and solve complex electrical engineering problems.
3. Ability to design and conduct experiments related to electrical engineering, as well as to analyze and interpret data.
4. Be able to design a complex system, component, or process to meet desired needs within realistic constraints.
5. Be able to develop solutions that meet the desired needs within the economic, manufacturing and sustainability borders.
6. Be able to use the techniques, skills, and modern engineering tools necessary for electrical engineering practice and research.
7. Be able to function and communicate effectively in multidisciplinary teams.