



Princess Sumaya University for Technology- PSUT - (Jordan)

Prof. Walid A. Salameh
walid@psut.edu.jo

Working group

- King Abdullah II Faculty of Engineering at Princess Sumaya University for Technology (PSUT)
- Electrical Power and Energy Engineering
- *Staff Members:*
 1. *Dr. Khaldoun Abu Gharbeyeh*
 2. *Dr. Ayman Fazaa*
 3. *Dr. Majd Batarseh*
 4. *Dr. Fadi Shahrouri*

The Department place a high priority on improving the education levels and working very hard to improve curriculums. The B.Sc. degree of the Electronics Engineering is accredited by Engineering Accreditation Commission (ABET). The mission of the Department of Electrical Engineering is to provide level education and perform quality research.

(more than one slide if necessary)

Target curricula

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The Electrical Engineering Department prepares graduates with scientific and professional accomplishments and complete understanding of: mathematics, basic sciences, basic electrical engineering, selected areas in Electronics Engineering or Electrical Power and Energy Engineering. Also using state-of the art in scientific and practical approaches to find solutions in the electrical engineering disciplines and help them to develop their decision making processes for sound decisions.

There are many courses that would deal with the ENEPLAN issues like(renewable energy systems, high voltage engineering, power electronics, Transmission and distribution systems, etc).

We are planning to involve the third, fourth yera students in task 2.4.

The most important outcomes of the offered programs: knowledge of basic mathematics and engineering mathematics, knowledge of the basic sciences, knowledge of the electrical engineering science needed to analyze electrical and electronics circuits and equipment, possibility of designing experiments to meet desired results, ability to design engineering system or a process to meet important solutions or to demonstrate a product and ability to work within a group.

Educational models

The BSC program at PSUT and imposed by the MHE in Jordan consists of 160 credit hours. The duration of the study is five years. There are two main semesters, the fall and the spring, besides an optional one in the summer session. The main mission of the department is to provide students with the fundamental knowledge, skills, and professional experience necessary for successful careers in industrial or academic roles that involve alternative energy and sustainable technologies. Graduates of the program will be able to work collaboratively, conduct independent and multidisciplinary research and recognize their role in solving global challenges. In principle, the teaching is a traditional one, where the eLearning platform is used for some courses and labs (eLab). The students are entitled to follow a predefined degree map, where each course(s) has prerequisites, therefore this concept map is a must to be followed. The educational model at PSUT and in Jordan in general is considered ordinary to advanced experimental one in this discipline.