

Objectives Of The Department of Biomedical Engineering BSc. Degree Program

The human health is one of the most important concerns of our time. To develop the methods of diagnosis and treatment in hospitals advanced technologies are needed. The Biomedical engineering is currently one of the fastest growing fields and the demand for graduates in this field is increasing all the time.

The Biomedical Engineering educational program provides students with the analytical tools to understand how biological systems operate and apply engineering principles to resolve medical and biological problems. Opportunities are given to students to put their theory and practical knowledge into practice in real-life situations.

The Biomedical Engineering program is well structured and has been designed with the aim of providing an excellent foundation in many areas of the current biomedical technology. The program offers courses in basic sciences, (mathematics, physics, chemistry), biochemistry, computer sciences, biomechanics, biomedical instrumentations, biostatistics, biomaterials, bioinformatics, modelling of biological systems, anatomy and physiology, biomedical imaging, biomedical signal processing, and artificial organs. In addition, the program aims to teach engineering analysis, practice, and design capabilities, product development and develop the leadership skills of students so that they can take managerial positions and be leaders in their future careers.

Department graduates can find jobs in hospitals, biomedical firms that design and manufacture medical equipment, Ministry of Health, as biomedical consultants and academicians in the universities.