

Objectives of the MSc. (with Thesis) Degree Program

Biomedical engineering is an interdisciplinary field of study, which is a combination of fields such as engineering, medicine, material science, basic sciences and veterinary medicine. These interdisciplinary knowledges are applied to solve problems in medical diagnosis and therapy. Biomedical engineers work within the field of research & design, production, maintenance / repair and calibration activities of medical devices, and the life support systems. They also organize and manage health service units located in various institutions.

Producing innovative approaches to design high-tech medical devices, methods for measurements of physiological development medical data / signal, image processing and analysis, development of artificial organs are among the responsibilities of biomedical engineers.

The objective of the master program in Biomedical Engineering is to generate second cycle graduates who will be capable of understanding challenging biomedical engineering related research projects. The primary educational objective of the Master of Science program is to expose students to the latest developments in biomedicine and to provide them with the appropriate tools to understand and contribute further to these developments. The master of Science degree program will provide the necessary education and immediately applicable skills that will enable to give people longer, healthier, and more productive lives.