

Learning Outcomes of the Department of Biomedical Engineering BSc Degree Program

Upon completion of the BSc. in Biomedical Engineering, students will demonstrate the ability to:

- 1- Apply knowledge of Mathematics, Natural Science and Engineering with relevance to Life Science and multidisciplinary context of Engineering Science.
- 2- Analyse, design and conduct experiments, as well as to analyse and interpret data.
- 3- Design system component or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
- 4- Function on multidisciplinary teams.
- 5- Design work by using simulation, modelling and tests and integration in a biomedical problem solving oriented way.
- 6- Display an understanding of professional and ethical responsibility.
- 7- Communicate effectively aware of the non-technical effects of engineering.
- 8- Search Biomedical related technical literature and other information sources.
- 9- Recognize of the need for, and an ability to engage in life-long learning.
- 10- Exhibit a knowledge of contemporary issues.
- 11- Use the techniques, skills and modern engineering tools necessary for engineering practice to develop marketable products for the global market.