NEAR EAST UNIVERSITY

DEPARTMENT OF Biomedical Engineering

Program Outcomes

2021-2022

1. Key Learning Outcomes

Learning outcomes of the BSc program include development of:

Upon completion of 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- Analyze, design and conduct experiments, as well as to analyze and interpret.

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 test and integration in a biomedical problem solving oriented way.

6- Display an understanding of professional and ethical responsibility.

7- Communicate effectively aware of 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.