Biomedical Engineering

Program Educational Objectives

The program educational objectives of the Biomedical Engineering program at AIU are to produce graduates who are able to:
• Pursue a successful career in the biomedical engineering profession, contributing to the development and innovation of the healthcare sector in Kuwait and the GCC region.
• Commit to professional and ethical standards.
• Engage in graduate studies and academic research.
• Embrace continuous learning, professional development, and the advancement of managerial and leadership skills.

Student Outcomes

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

