Bachelor's Educational Program
Biomedical Engineering

Faculty

Faculty of Informatics and Control Systems

Program Supervisor/ Supervisors

Professor Irine Gotsiridze/ Professor Zviad Gurtskaia

Qualification to be Awarded

Bachelor of Sciences in Biomedical Engineering

Program Educational Objectives

The undergraduate Biomedical Engineering Program Educational Objectives (PEO's) are that our alumni:

- PEO 1- Graduates will be engaged in professional practice as biomedical engineers and/or biomedical scientists in occupational settings involving human health and well-being.
- PEO 2- Graduates will advance in their professional careers.
- PEO 3 - Graduates will engage in professional development, or post-graduate education, to continue their self-development in biomedical engineering or other related fields.

Student Learning 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.