საქართველოს ტექნიკური უნივერსიტეტი
1922 წლიდან

Bachelor's Educational Program

Electrical and Electronic Engineering

Faculty

Power Engineering

Program Supervisor/ Supervisors

Professor Simon Nemsadze

Professor Giorgi Arziani

Qualification to be Awarded, and the Number of Credits in the Program

Bachelor of Science in Electrical and Electronic Engineering

The bachelor's qualification is awarded by combining at least 234 credits of study courses and at least 6 credits of free components corresponding to the main field of study, no less than 240 credits.

Program Educational Objective

- To prepare students for a successful career in the electrical and electronic industry in accordance with the requirements of the labor market and to encourage them to complete their higher education; provide a broad knowledge of the natural sciences and mathematics necessary to formulate, solve and analyze electrical and electronic problems;
- To ensure the awareness of students to adhere to the norms of professional ethics in the process of acquiring knowledge and professional activity, to develop the skills of identifying complex engineering problems, finding ways to solve them, and ensuring the effective functioning of electrical devices, using modern technologies.

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.