საქართველოს ტექნიკური უნივერსიტეტი
1922 წლიდან

CIVIL ENGINEERING PROGRAM

Faculty

Faculty of Civil Engineering

Program Supervisor/ Supervisors

Associate Professor Manuchar Shishinashvili / Associate Professor Levan Jikidze

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

Bachelor of Science in Civil Engineering.
Bachelor's qualification will be awarded with a combination of not less than 235 credits of courses relevant to field of study and at least 5 credits of free components.

Program Educational Objectives

The Civil Engineering Faculty of GTU has determined that the program's educational objectives for the civil engineering program are as follows:

- ***Program Educational Objective 1.*** Graduates of the CIVE program will be successful civil engineers in their respective fields of work (PEO 1);
- ***Program Educational Objective 2.*** Graduates of the CIVE program will be hands-on practitioners of civil engineering and will be effective collaborators and innovators, leading or participating in efforts to address social, technical, and business challenges (PEO 2);
- ***Program Educational Objective 3.*** CIVE program graduates will embrace the continuous learning necessary to practice civil engineering over their entire professional lifetimes and engage in life-long learning and professional development through self-study, continuing education or graduate and professional studies in engineering (PEO 3);

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;