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

Will be awarded in case of passing the main specialty (220 ECTS credits) and free components (20 ECTS credits) of educational program, no less than 240 ECTS credits;

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 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;