



საქართველოს ტექნიკური უნივერსიტეტი
GEORGIAN TECHNICAL UNIVERSITY

Approved by
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PhD Educational Program

Program Title

ეკონომიკა

Economics

Faculty

საინჟინრო ეკონომიკის, მედიატექნოლოგიებისა და სოციალურ მეცნიერებათა ფაკულტეტი

Faculty of Engineering Economics, Media technologies and Social Sciences

Program Head/Heads

Professor Aleksandre SICHINAVA

Qualification to be Awarded and the Extent of the Program in terms of Credits

Doctor of Economics

It will be awarded in case of completion of the educational component (60 credits) and the research component of the educational program; duration of study is not less than 3 years.

Language of Teaching

Georgian

Prerequisite for Admission to the Program

A person with a relevant Master of Education or an equivalent academic degree in the following fields: "Economics"; "Science of Education"; "Political Sciences and Fundamentals of Citizenship"; "Social and Behavioral Sciences"; "Accounting and taxation"; "Finance, Banking and Insurance"; "Management and Administration"; "Marketing and Advertising"; „Law"; "Statistics"; "Tourism"; "Mathematics"; "Informatics"; "Philosophy"; "Health care and social welfare"; "Engineering and engineering work" has the right to study at the Doctorate in Economics educational program; The following are taken into account: the existence of scientific publications, participation in scientific conferences, other documents and materials related to educational/research activities (certificates, deeds, patents, etc.).

Those wishing to enroll in the program must submit: a research project, where the purpose and direction of the applicant's research are outlined; Also, a relevant international certificate proving knowledge of the English language at the B2 level, or must pass an exam at the GTU test center. An applicant with a higher education in English is not required to present a certificate or pass an exam.

In case of receiving a positive assessment in the English language, the applicant goes through an interview with the faculty temporary commission.

The procedure for admission to doctoral studies and enrollment conditions are posted on the university's website.

It is possible to enroll in the program on the basis of mobility within the terms established by the Ministry of Education and Science of Georgia, following the mandatory procedures and the rules established by the university.

Enrollment in the program or transfer enrollment from a recognized higher educational institution of a foreign country is carried out in accordance with the rules defined by the legislation of Georgia.

Program Description

The program is made with the ECTS European credit transfer system. 1 credit equals 25 hours, which includes both contact and independent work hours. The distribution of credits is presented in the curriculum of the program. The program lasts at least 3 years (6 semesters). 60 credits are allocated to the educational component.

Compulsory elements of the educational component of the program are: scientific communication technique - 4 credits; teaching methods - 6 credits; Economic science research methods - 10 credits; Special courses related to the doctoral program - 30 credits; Professor's assistantship - 10 credits.

The first semester includes three compulsory elements of study components (4, 6 and 10 credits), one special course related to the program (10 credits).

The second semester includes two special courses related to the program (10 and 5 credits), one elective course (5 credits).

The third semester is devoted to the professor's assistantship (10 credits).

Compulsory elements of the research component of the program are: project/prospectus; colloquium - 1; colloquium - 2; colloquium - 3; preliminary protection; Completion and defense of the thesis.

The doctoral candidate starts preparing the research components from the second semester: project/prospectus; Third semester: colloquium - 1; Fourth semester: colloquium - 2; Fifth semester: colloquium -3; Sixth semester: preliminary defense, thesis completion and defense.

The scientific-research component is evaluated once, during the defense of the thesis.

Doctoral regulations of the Georgian Technical University and "Teaching and research components of doctoral educational programs and their evaluation procedure" can be found in detail on the web page of GTU.

The academic year consists of two semesters - fall and spring. Mid-semester and final/supplementary exam dates are set at the beginning of each semester by the rector's order on the basis of the "Instructions for managing the learning process at the Georgian Technical University", which is posted on the GTU website.

Program Objective

The objective of the doctoral program is to prepare PhDs in economics with the knowledge based on the latest achievements, who are competitive and are oriented on local and international labor market with the skills such as:

- New understanding of modern challenges in the field of economy, a creative vision focused on sustainable development, evaluation of the state's economic policy and institutional arrangements, independent adoption of optimal solutions to complex issues and development of valuable recommendations
- Conducting scientific and pedagogical activities independently, introducing innovative teaching methods, conducting research focused on the creation of new knowledge and publicly presenting the results, free integration into the community of researchers in compliance with the principles of academic and professional integrity.

Methods of Achieving Learning Outcomes (teaching-learning)

Discusses the regularities of economic theory development, economic problems, their causes and ensuring the country's economic security;

Determines the role of complex studies based on the latest knowledge in the development of economic policy;

Analyzes the modern practice of institutional arrangement of developed countries;

Uses appropriate methodology and research analytical methods in the decision-making process, independent planning, supervision and execution of scientific works, research projects;

Independently conducts the academic process with modern teaching and evaluation technologies;

Develops creative approaches to solving economic problems based on the latest knowledge;

On the basis of possessing research methods of economic science, **formulates** ways of solving economic problems;

Presents new knowledge in relation to existing knowledge, using modern techniques of scientific communication, both with the scientific and the general public, in thematic discussions held at the local and international level;

Shows respect for modern democratic values, desire and readiness to establish them in reality.

Methods of Achieving Learning Outcomes (teaching-learning)

Lecture Seminar (group work) Practical Laboratory
 Scientific and Thematic Seminar Independent work Consultation

Research Component Structure of the thesis Thesis Defense

In the learning process, depending on the specifics of a particular study course program, the following activities of the teaching-learning methods are used, which are outlined in the relevant study course programs (syllabi):

1. Verbal or oral method;
2. Discussion/debate;
3. Problem-based learning (PBL);
4. Collaborative work;
5. Case study;
6. Brain storming;
7. Inductive method;
8. Deductive method;
9. Method of analysis;
10. Synthesis method;
11. Explanatory method;
12. Writing work method;
13. Project development and presentation;
14. Mental exercise;
15. Demonstration method;
16. Role-playing and situational games;
17. Activity-based learning.

Student's Knowledge Assessment System

The student's knowledge is assessed on a 100-point scale

Evaluation of Educational Component:

Positive grades are:

- (A)-Excellent - 91-100 points;
- (B)-Very Good – 81-90 points;
- (C)-Good – 71-80 points;
- (D)-Satisfactory – 61-70 points;
- (E)-Sufficient – 51-60 points.

Negative grades are:

- (FX) - Failed to pass – 41-50 points, which means that the student needs more work to pass and is allowed to take an additional exam once with independent work;
- (F) - Failed - 40 points or less, which means that the work done by the student is insufficient and he/she will have to study the subject again.

Assessment of the scientific research component(s):

- a) with the highest praise (summa cum laude) - excellent performance;
- b) with great praise (magna cum laude) - result exceeding the requirements in all parameters;
- c) with honor (cum laude) - a result that exceeds the requirements;
- d) satisfactory (bene) - an average level work that meets the basic requirements;
- e) sufficient (rite) - a result that, despite its shortcomings, still meets the requirements;

f) insufficient - an unsatisfactory level work that cannot meet the requirements due to significant deficiencies in the work;

g) completely unsatisfactory (sub omni canone) - a result that completely fails to meet the requirements

The assimilation of the issues provided by the programs (syllabi) of the education courses determined by the educational program is assessed with a 100-point system. The doctoral student is considered to have passed the education course if he/she scores at least 51 points as a result of the mid-term evaluations and the final exam.

The maximum score of the mid-semester exam is 30. The sum of the points of the current activity and the mid-semester exam is 60, the minimum competence limit is 30 points.

The teaching and research components of the doctoral educational program and their assessment procedure are posted on the university's website.

Fields of employment

The field of employment of the Doctor of Economics is both public and private sector organizations, among them:

- Higher educational and scientific - research institutions;
- Ministry of Economy and Sustainable Development;
- Consulting and analytical institutions;
- International organizations;
- Ministry of Regional Development and Infrastructure of Georgia;
- National Bank, commercial banks and other financial organizations;
- Large private firms/companies.

Human and material resources needed to implement the program

The program is provided with appropriate human and material resources.

Auditoriums equipped with technical equipment and a laboratory for modeling economic processes are used to achieve the learning outcomes provided for in the doctoral program.

The educational program is provided with relevant textbooks and methodical literature. The university library provides students with relevant printed and electronic monographs, textbooks, teaching-methodical and scientific literature, as well as the database of the library's book fund and the electronic catalog posted on the university's website.

The program will be implemented by 20 academic, scientific and invited staff.

Additional information about the program manager and implementers can be found in the attached documents (CVs).

Number of attached syllabi: 12