



საქართველოს ტექნიკური უნივერსიტეტი
GEORGIAN TECHNICAL UNIVERSITY

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Bachelor's Educational Program

Program Title

მთიანი რეგიონების ორგანული ფერმერული სისტემების მართვა

Management of Organic Farming Systems in Mountainous Regions

Faculty

მთის მდგრადი განვითარების ფაკულტეტი

Faculty of Mountain Sustainable Development

Program Head/Heads

Associate Professor Koba KOBALADZE;
Professor Tamar BERIDZE

Qualifications to be awarded and the extent of the program in terms of credits

Bachelor of Business Administration in Management

The bachelor's qualification will be awarded by combining at least 230 credits of education courses and at least 10 credits of free components, if at least 240 credits are completed.

Teaching Language

Georgian

Prerequisite for admission to the programme

Only the person with a state certificate confirming complete general education or a document equivalent to it, has the right to study at the bachelor's level who will be enrolled in accordance with the procedure established by the legislation of Georgia.

Program Description

The undergraduate educational program "Management of organic farming systems in mountainous regions" is compiled using the ECTS system.

1 credit is equal to 25 hours, which includes both contact and independent work hours. The program lasts at least 4 years (8 semesters).

The undergraduate education program includes 240 credits (ECTS), which ensures the achievement of the program objectives and the learning outcomes required for the main qualification at the level corresponding to the bachelor level descriptor of the Higher Education Qualifications Framework.

The distribution of credits is presented in the curriculum. The education courses are presented in the form of compulsory and elective education courses: compulsory education courses- 230 credits (including practice 5 credits, Bachelor's Thesis 5 credits, elective education courses in specialty -10 credits) and free components 10 credits.

The student chooses free components from any accredited program, following the prerequisites for admission to the subject.

The courses provided by the curriculum of the undergraduate educational program "Management of Organic Farming Systems in Mountainous Regions" are arranged in a logical sequence, from general to sectoral and from simple to complex. The curriculum contains information about the prerequisites for admission to education courses. One semester includes 20 weeks, of which the educational process lasts for 15 weeks.

An academic calendar is published by the Rector of GTU before the start of the semester and published on the website.

The duration of the first academic year is 2 semesters. The student will study 12 education courses (60 credits) during two semesters.

The duration of the second academic year is 2 semesters. The student will study 12 compulsory education courses (60 credits) during two semesters.

The duration of the third academic year is 2 semesters. During two semesters, the student will study 12 courses (60 credits), of which 40 credits are compulsory courses and 10 credits are elective.

The duration of the fourth academic year is 2 semesters. During two semesters, the student will study 10 courses, undergo practice and complete a Bachelor's Thesis in total (60 credits), of which the main courses are 30 credits, free study courses - 10 credits, Bachelor's Thesis - 5 credits and practice - 5 credits.

For students, detailed information about the organization of the educational process related to the educational process, student achievements, evaluation, educational and financial agreements with students, and the accumulation of credits by students is provided in the document "Instructions for managing the educational process at the Georgian Technical University", which is located on the website.

Program Objective

The purpose of the educational program is to prepare management bachelors in accordance with the labor market demand:

1. To provide the graduate with a wide range of field-relevant knowledge and practical skills based on a critical understanding of management theories and principles, for effective management of organic farming systems in mountainous regions with respect to social, economic, ecological and ethical aspects;
2. To equip graduates with the skills to use climate-smart technologies in organic farming systems of mountainous regions, to effectively manage the ecologically changing and risk-filled environment in the mountains;
3. To create a solid foundation for graduates to continue their studies in the direction of management of organic farming systems in mountainous regions and for continuous professional development.

Learning Outcomes/Competences (general and professional)

1. **Explains** modern theories of management and theoretical-methodological foundations of organization management, economic, social, cultural and legal aspects of organization activity, business and entrepreneurship.
2. **Describes** current processes in the economy and business, contemporary trends in business development and organization management, and interprets knowledge for the management of two-dimensional farming systems in mountainous regions.
3. **Determines** the theoretical and practical issues necessary for sustainable management, effective activity and functioning of organic farming systems in mountain regions, using climate-smart technologies and taking into account the ecologically changing and risk-filled environment.
4. **Collects** data, analyzes and formulates relevant conclusions for the sustainable development of safe, environmentally friendly services and production of organic farming systems in mountain regions.
5. **Uses** appropriate information and communication technologies for managing organic farming systems in mountainous regions.
6. **Establishes** effective communication with stakeholders in Georgian and foreign languages by selecting appropriate methods of negotiation and management strategies; clearly formulates and argues own position.
7. **Participates** in the generation and development, planning and implementation of projects and operations for the management of organic farming systems in mountainous regions.
8. In accordance with predetermined guidelines, independently **implements** a research/practical project related to the management of the functional area of the organization/business - using methods and IT technologies specific to the management area.
9. **Evaluates** the economic, legal, social and ethical consequences of entrepreneurial activity; own and others' attitudes towards the values of recognized principles and established norms in the field of management; Performs managerial functions within the defined competence, following ethical principles.
10. **Identifies** both own and others' development needs and participates in the planning of relevant events.

Methods of achieving learning outcomes (teaching-learning)

- Lecture Seminar (group work) Practical Laboratory Practice
 Course work/Project Consultation Independent work

In the educational process, depending on the specifics of a particular study course program, the following teaching-learning methods are used, which are given in the relevant education course programs (syllabi): Discussion/debate, cooperative learning, group (collaborative) work, problem-based learning (PBL); heuristic method; case study brainstorming; demonstration method; induction method; deductive method; method of analysis; synthesis method; verbal or oral method; method of written work; explanatory method; action-oriented learning; Project development and presentation.

Student's Knowledge Assessment System

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

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 - 41-50 assessment points, which means that the student needs more work to pass and is allowed to take the additional exam once with independent work;

- **(F)** - Failed - 40 evaluation points and less, which means that the work done by the student is not enough and he/she has to study the subject again.

In the case of FX, an additional examination is scheduled no later than 5 days after the announcement of the results. The grade obtained in the additional examination shall not be added to the grade obtained in the final assessment.

Fields of Employment

- Sustainable development projects of the Ministry of Regional Development and Infrastructure of Georgia
- Ministry of Environment Protection and Agriculture of Georgia
- International and local programs for the development of sustainable organic production in mountain villages
- Cooperatives. Greenhouse or other types of organic farms, mountain sectoral farming associations
- Commercial structures producing organic products, producing plant protection products and selling them, open and closed ground farms
- International and local environmental organizations
- Regional service centers of Ltd "Mekanizatori"
- Local and international food and food safety organizations
- Relevant service areas of the trade network (agrarian markets, super and hypermarkets)
- Agricultural products processing enterprises and companies
- Organic and food agro-production arrangement services
- Governmental and non-governmental organizations of agrarian profile
- State/private research, consulting and service centers
- Productions of INVITRO propagation, organic or conventional seed and planting materials
- Audit direction services
- Regional, municipal and other types of agricultural consulting services, sectoral business consulting, sales, trade press
- Services related to the field, educational institutions
- Organic food industry
- Organic crop production, plant and environment protection, plant breeding
- Organic animal feeding, animal husbandry and livestock production

Opportunities for continuing education

Master's degree educational programs

Human and material resources needed to implement the program

The program is provided with adequate human and material resources. For additional information, please find the attached documentation.

Number of attached syllabi: