საქართველოს ტექნიკური უნივერსიტეტი
GEORGIAN TECHNICAL UNIVERSITY

Approved by
Resolution № 1057 of the
Academic Council of GTU dated
January 9, 2014

Amended by
Resolution № 01-05-04/191 of the
Academic Council of GTU dated
December 8, 2022

Bachelor's Educational Program

Program Title

მეცხოველეობა
Animal Science

Faculty

აგრარული მეცნიერებების და ბიოსისტემების ინჟინერინგი
Faculty of Agricultural Science and Bio-Systems Engineering

Program Head/Heads

Associate Professor Manana TSINTSADZE

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

Bachelor of Animal Science

Will be awarded by combining at least 225 credits of the education program's primary specialty and no more than 15 credits of free components if 240 credits are completed.

Language of Teaching

Georgian

Prerequisite for Admission to the Program

Only the holder of a state certificate proving complete general education or an equivalent document enrolled in accordance with the procedure established by Georgia law shall have the right to study at the Bachelor's Educational Program.

Program Description

The Bachelor's educational program "Animal Science" is composed using the ECTS system. 1 credit is equal to 25 hours, which includes both contact and independent work hours. The duration of the program is 4 years (8 semesters).
The Bachelor's educational program comprises 240 credits (ECTS), which ensures the achievement of the program objectives and learning outcomes required for the main qualification at a level corresponding to the Bachelor level descriptor of the Framework for Higher Education Qualifications.
The distribution of credits is presented in the program curriculum.
The program consists of Basic Specialization courses (225 credits) and Free Components (15 credits).
The courses provided in the curriculum of the Bachelor's educational program "Animal Science" are arranged in a logical sequence: from general to branching and from simple to complex. The curriculum contains information about the prerequisites for enrollment in education courses. One semester includes 20 weeks, of which the learning process takes place during 15 weeks.
The rector of the GTU issues an academic calendar before the beginning of the semester, which is published on the website.
In the first semester - the student takes one 5-credit foreign language course; They also take a 5-credit free component and 20 credits of compulsory courses, for a total of 30 credits;
In the second semester - the student takes one 5-credit foreign language course, the primary specialty courses - 20 credits, and one 5-credit course in humanitarian sciences, for a total of 30 credits;
In the third semester - the student takes one 5-credit foreign language course, and takes the primary specialty courses - 25 credits, for a total of 30 credits;
In the fourth semester - the student takes one 5-credit foreign language and also takes 5-credits free component course and primary specialty courses - 20 credits, for a total of 30 credits;
In the fifth semester - the student takes the primary specialty courses, for a total of 30 credits;
In the sixth semester - the student takes the primary specialty courses, for a total of 30 credits;
In the seventh semester - the student takes the primary specialty courses for 25 credits, a compulsory elective education course for 5 credits, for a total of 30 credits;
In the eighth semester - the student takes the primary specialty courses for 15 credits, also takes free component course of 5 credits, and undergoes an industrial internship for 10 credits, for a total of 30 credits;

Detailed information about the learning process is provided in the Instructions for Managing the Educational Process at Georgian Technical University at the following electronic address.

Program Objective

The aim of the educational program is to prepare a qualified bachelor in the field of animal science, competitive in the labor market;
To teach the student: theoretical and practical issues of animal husbandry, peculiarities of animal and bird care, breeding, feeding, food production, reproduction, as well as ways to increase the productivity of farm animals.

Learning Outcomes/Competences (general and professional)

- Has a broad knowledge of animal science, including a critical understanding of theories and principles;
- Discusses the diversity of breeds in animal science, animal and poultry breeding methods, animal feed quality improvement, and principles of production and processing of basic food ingredients;
- Describes sanitary and hygienic conditions of animal and bird husbandry and biosafety rules in the production of unprocessed raw materials of animal origin; analyzes the suitability of feed quality used in animal husbandry using appropriate methods;
- performs animal and bird housing, breeding, feeding, management of animal raw material production according to the areas and with efficient use of necessary mechanisms - equipment for the field of animal science;
- Can use practical skills specific to the field of animal science to solve complex and unforeseen problems;
- Based on theoretical knowledge with predetermined instructions, can realize a practical project related to the field of animal science;
- Formulates relevant conclusions, ideas about existing problems and solutions with specialists and non-specialists using information and communication technologies and presents them in forms appropriate to the context;
- Independently evaluates own learning process, plans the need for further learning and guides it.

Methods of Achieving Learning Outcomes (teaching-learning)

☒ Lecture ☒ Seminar (group work) ☒ Practical ☒ Laboratory ☒ Practice

☐ Course work/Project ☒ Consultation ☒ Independent work

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):
Discussion/debate, Cooperative learning, Collaborative work, Demonstration, Case study, Induction, Deduction, Analysis, Synthesis, Oral or verbal work, Written work, Explanation, Action-oriented learning, Project development and presentation, Brain storming, Role-playing and situational games.

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 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.

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

Detailed information is provided on the GTU website: Instructions for Managing the Educational Process at Georgian Technical University.

Fields of employment

A graduate may be employed:

In agricultural farms, livestock production farms, livestock processing and production facilities, meat processors, dairy processors, food processing facilities, governmental and non-governmental organizations, Ministry of Agriculture of Georgia, Ministry of Agriculture and Environmental Protection of Georgia, in general professional and higher institutions, food safety service, zoological park and pet stores.

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: 68