



Program Description

1. Why a Master in "Animal Sciences and Aquaculture"

To improve the competences of the students in management of the animal and fish farms

Improve student abilities in understanding animal and fish behavior under different management conditions

Prepare the students with deeper research competences in animal sciences and aquaculture

2. Competences of the graduates

Apply understanding of animal and fish physiology, genetics, nutrition, and reproduction to optimize productivity and product quality.

Evaluate the interactions between genotype, environment, and management practices in diverse production systems.

Design and manage livestock and aquaculture systems that balance productivity, profitability, and environmental stewardship.

Adapt production systems to climate change, emerging diseases, and evolving market demands.

Conduct independent research to address current and emerging challenges in animal and fish production.

3. Potential employer and/or career path

Supportive agricultural activities (ex. input traders)

Agricultural advisory system (also private advisers)

Agricultural institutions under the umbrella of MARD

NGO-s

Vocational Education; AUT

4. Alumnus and their experiences

Melda Kullolli, Center of Agricultural Technology Transfer

Egisa Zykollari, Center of Agricultural Technology Transfer

Erisa Shkëmbi, Ministry of Agriculture and Rural Development

Ervis Halili, The Livestock Entrepreneurs Association of Albania

Marco Kule, Ministry of Agriculture and Rural Development.

Amarildo Alizoti, Ministry of Agriculture and Rural Development

Xhesjan Abedin, Ministry of Agriculture and Rural Development

5. The interdisciplinary of the program (this is pretty much the same for each by may vary a little bit)

12 ECTS from other Economic and Social Sciences

18 ECTS from Natural Sciences

During the development of this program, the drafters were guided by the principle of an interdisciplinary approach. This principle aims to integrate analytical methods and tools from different disciplines, producing new knowledge and solutions to complex problems with a real impact on agricultural production, environmental protection and technology transfer, in the conditions of rapid dynamics of the agricultural and rural sector. In accordance with international standards, the program integrates knowledge from the fields of social sciences, natural sciences and technical sciences, providing a comprehensive education that prepares students to face complex challenges in the real labor market.

6. Which Bachelor Program are suggested?

Bachelor in Agriculture and Food Security

With supplementary modules also students from other Bachelor studies within the AUT or also from other Universities