



BACHELOR FOREST ENGINEERING

IN COOPERATION WITH BOKU VIENNA

Why this study program?

This degree programme, developed in cooperation with **BOKU Vienna**, combines technical-professional and creative skills, preparing students for the sustainable management of forests and pastures.

Through practical experience, students develop competencies in assessing and governing natural resources in accordance with sustainability principles, opening career opportunities as evaluators, managers, designers and project implementers.

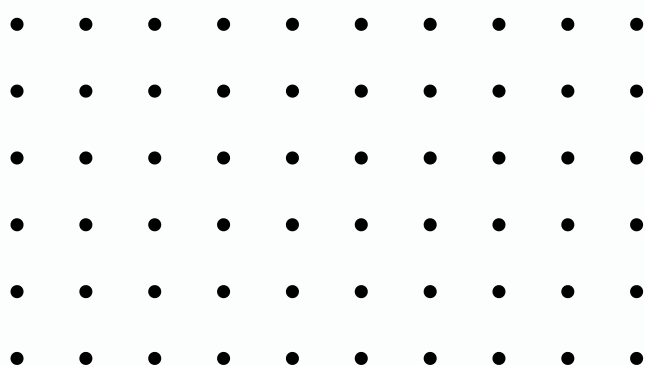
The programme is ideal for those who aim to contribute to the protection and development of forest ecosystems, biodiversity and the environment, while the use of innovative technologies in scientific projects helps improve quality of life.



Programme Description

The Bachelor's programme in Forest Engineering prepares specialists for the sustainable management of forests and pastures by combining scientific knowledge with field practice. Students acquire skills in natural resource assessment, spatial planning and the implementation of modern, environmentally friendly methods for the development of forest and pasture ecosystems.

**Internationally
recognized degree**



Graduate Profile / Professional Profile

Graduates in Forest Engineering are trained as professionals with technical, managerial and environmental skills, ready to sustainably manage and utilize forest and natural resources. They may work as:

- **Forest engineers** involved in planning, inventory and management of forest ecosystems;
- **Environmental specialists / impact analysts** in public institutions, environmental agencies and local authorities;
- **Experts in development and nature protection projects** within NGOs and national or international programmes;
- **Consultants for sustainable natural resource** use in the private sector and companies operating in forestry and natural resources.



Albora Kacani

National Federation of
Communal Forests and Pastures

"Forests are essential for sustainable development and human well-being, and cooperation among forestry science specialists is key to providing concrete, practical, and sustainable solutions for the future."



Erion Istrefi

Environmental Expert, World
Bank Office in Tirana

"Albania is particularly vulnerable to climate change impacts such as floods, fires, and droughts. Environmental risk management and forest resources play a key role in sustainable development by ensuring food, clean water, and other essential resources for local communities and the country's economy."



Ardmir Doda

Director of Forest and Pasture
Administration, Fushë-Arrëz

"I chose Forest Engineering to contribute to nature protection and the sustainable management of resources. My studies provided me with knowledge and practical skills for a career with real impact on the environment and communities."



Ilda Metani

Project Manager, "EcoAlbania"

"If you want to contribute to environmental protection and sustainable management of natural resources, Forest Engineering provides the necessary education for a career with real impact on nature, communities, and sustainable development."

Key Competencies Acquired

Upon completion of the programme, students acquire competencies in:

- Accurate assessment of forest stands from silvicultural and economic perspectives;
- Sustainable management of forests and pastures;
- Selection of appropriate governance models for forest resources;
- Successful implementation of projects in forests and pasture areas;
- Evaluation of services and products from forest and pasture ecosystems;
- Practical applications of forest bioeconomy.

STUDY STRUCTURE

CORE COURSES

Basic modules in Physics, Botany and Ecology, Policy and Law, Statistics, Artificial Intelligence, Erosion Control and Earth Sciences.

SPECIALIZED COURSES

Engineering subjects I & II, Silviculture, Forest Management, Wood Technology, GIS and Remote Sensing applications.

ADDITIONAL COURSES

Business Administration, Fundamentals of Economics, Policy and Legislation, Market and Marketing principles.

Teaching is delivered through interactive lectures, seminars, practical exercises and laboratory work. The programme includes structured laboratory activities, study projects and mandatory professional practice.

Employment Opportunities

- Forestry administration and the National Agency of Protected Areas
- Municipalities and national parks
- Environmental projects and NGOs
- Wood industry companies and agro-forestry enterprises
- Environmental consultancy and spatial planning
- International projects related to biodiversity, climate and rural development

Programme Information

Study Level

First Cycle – Bachelor

Academic Degree

Bachelor in Forest Engineering

Duration

3 academic years / 6 semesters

Credits

180 ECTS

Study Mode

Full-time

Language of Instruction

Albanian / English

Enrollment Quota

30 students

Completion of Studies

Final comprehensive exam / Bachelor's thesis



About AUT

The Agricultural University of Tirana was founded on November 1, 1951, and has been located in Kodër Kamëz since 1956. Since its establishment, it has been a pillar of agricultural education and research in Albania.

Today, AUT plays a key role in sustainable agriculture, food safety, and rural development, strengthening international cooperation through strategic partnerships, including with BOKU University in Vienna.



For more information visit:

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FURTHER STUDY OPPORTUNITIES (MASTER'S DEGREE)

Graduates can advance their expertise by pursuing a Master of Science in Forest Engineering, focusing on Forest, Pasture and Protected Area Management, Bioeconomy, GIS and related fields in Albania, with continuous opportunities to participate in Erasmus programmes at European partner universities, including with BOKU Vienna.

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Fakulteti i Shkencave Pyjore

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