

Forestry

The aim of the Programme is train Bachelors in Agriculture Sciences equipped with relevant skills and knowledge of sustainable forestry and able to apply these knowledge/skills in their professional activity under ever changing environment conditions

The outcomes of study programme

Upon the completion of the study programme, graduates will be able to:

- identify and evaluate the forest ecosystems components and their interaction, separate forest types;
- apply silvicultural means (forest planting, protection, felling, planning) for forest ecosystems resilience, productivity, ecosystem services under changing environment conditions;
- evaluate the effectiveness of forestry activities and their impact for sustainable development;
- apply GIS and IT in forest inventory, planning and management.

Title of the courses:

Lithuanian for Specific Purposes
Philosophy
The Development of Society
Psychology
Fundamentals of Business Foreign (B2, Level 4) Language
Foreign for Specific Purposes (C1, Level 5)
Higher Mathematics and Probability Theory
Plant Biology
General Chemistry
Informatics
General Ecology and Environmental Protection
Dendrology
Soil Science
Special Physics
Fundamentals of Geomatics
Forest Mensuration
Human Safety
Forest Tree Genetics and Plant Production Techniques
Forest Regeneration and Afforestation
Biology of Forest Mammals and Birds
Forest Ecology
Motor-manual Logging Techniques
Forest Protection
Computers in Forestry
Basics of Game Management
Forest Melioration and Roads
Principles of Research and Technical Creativity
Formation and Cuttings of Forest Stands
Forest Products Science
Principles of Forest Policy and Law
Forest Economics and Organization of Production
Management of Forestry

Private Forestry
Forest Management Planning
Timber Harvesting
Practical Training of Plant Biology and Dendrology
Practical Training of Geomatics and Forest Mensuration
Forestry Complex Field Practice
Practice of Professional Activity
Forestry Machinery
Basics of Agronomy
Basics of Biotechnology in Forestry
Peatland Forestry
Plantation Forestry
Ecological Forestry
Multipurpose Forest Stand Formation
Final Thesis

Faculty of Forest Sciences and Ecology

Group of Fields of Study Agricultural Sciences (I)

Length of Programme 4 years

ECTS credits 240

Name of Qualification Bachelor in Agricultural Sciences

Contacts

Faculty of Forest Sciences and Ecology (inquiries regarding study programme)

Contact persons of the programme: Mr. Edmundas Bartkevicius,
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Address Studentu str. 11, LT-53361 Kaunas distr., Lithuania

Website <https://zua.vdu.lt/en/faculties/faculty-of-forest-sciences-and-ecology/>

Forestry (second study circle)

The aim of the Programme is to train Master's in Agricultural Sciences with the fundamentals of methodological and systematic thinking, knowledge of contemporary forestry technologies and forest science theories and methods. The graduates will be ready for the research and innovation-based professional activity and doctoral studies.

The outcomes of study programme

Upon the completion of the study programme, graduates will be able to:

- integrate and create new knowledges in forestry activities requiring analytical abilities;
- select scientific research methods and methods of mathematical statistics in conducting specific research;
- create forestry concepts, strategies and programmes complying the current needs;
- critically interpret research results and evaluate alternatives of forestry solutions and possible impact.

Title of the courses:

Mathematical Statistical Methods in Forestry
Methodology of Forest Research
Geographic Information Systems in Forestry
Applied Genetics and Biotechnology in Forestry
Ecological Basics of Forest Regeneration
Forest Growth and Yield
Forest pest management
Forest Policy
Nature Management
Dynamic Sustainability of Forest Ecosystems
Ecological-Evolutionary Forest Genetics
Recreational Forestry
Forming of the Most Productive Stands
Environmental Monitoring
Birds and Mammals Research Methodology
Ecology and Ethology of Animals
Game Teriology, Ornithology, Cynology
Management of Wild Animals Population and Productivity of Game Properties
Social Economics in Forestry
Accounting and Commerce in Forestry
Economics of Forest Enterprises
Theory and Methodology of Forestry Management
Forest Logistics
Economics and Organization of Timber Harvesting
Forest Bioenergetics
Economic Analysis in Forestry
Planning and Organizing of Forest Science Research
Application of Multivariate Exploratory Techniques in Forest Research
Professional Educology
Consulting Methodology
Innovation Practice in Forestry
Final Thesis

Faculty of Forest Sciences and Ecology**Group of Fields of Study** Agricultural Sciences (I)**Lenght of Programme** 2 years**ECTS credits** 120**Name of Qualification** Master's in Agricultural Sciences**Contacts****Faculty of Forest Sciences and Ecology (inquiries regarding study programme)****Contact persons of the programme:** Mr. Edmundas Bartkevicius,
edmundas.bartkevicius@vdu.lt**Address** Studentu str. 11, LT-53361 Kaunas distr., Lithuania

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