Aleksandras Stulginskis University
**Faculty of Forest Sciences and Ecology**

Mokslas • Ekonomika • Sanglauda
Europos Sąjunga
Kuriame Lietuvos ateitį

Study program of first level

**Applied Ecology**

| | |
|---|---|
| Code of programme | 612C18002 |
| Language | *Lithuanian, English* |
| Study area and study fields (branch) | Biomedical sciences area, Field of Biology, Branch of Ecology |
| Stage of studies | *First* |
| Awarded degree | *Bachelor of Ecology* |
| Study form (length in years) | *Full - time (4 years), part-time (6 years)* |
| Study programme volume in credits | *240* |
| The start date of the study program | *1994* |
| Date and results of the study program last accreditation | *28 06 2008 Accredited without conditions* |
| Last date of Study program approval by the University Senate and the Protocol No. | *30th of June, 2010* |

**Study program Committee:**
*(approved by the decision of Faculty of Forestry and Ecology Council, 13th of June, 2013 (protocol no. 6 (38))*

| No. | Name and surname | Working place and position |
|---|---|---|
| 1. | Edmundas Bartkevičius | Faculty of Forestry and Ecology, dean |
| 2. | Vitas Marozas | Faculty of Forestry and Ecology, Institute of Environment and Ecology, head |
| 3. | Aida Stiklienė (chairman of the Committee) | Faculty of Forestry and Ecology, vice dean |
| 4. | Laima Česonienė | Faculty of Forestry and Ecology, Institute of Environment and Ecology, professor |
| 5. | Anželika Raškauskienė | Faculty of Forestry and Ecology, Institute of Environment and Ecology, associated professor |
| 6. | Valdas Paulauskas | Faculty of Forestry and Ecology, Institute of Environment and Ecology, professor |
| 7. | Skirmantas Pocius | Kaunas Regional Environmental Protection Department, director |
| 8. | Student representative | Student of Applied Ecology Study Program Jolita Rasimavičiūtė |

**The short rationale of the need for Study program**

Environmental protection is very important for the modern world policy; it is certainly the greatest current challenge to mankind as it plays a crucial role in economic and societal development throughout the world. Lithuania, like other advanced countries in the world, raised serious requirements for environmental protection. Steadily increasing population of the planet, their needs grow, increasing the need for professionals working in the field of environmental protection. With each passing day the greater attention given to the world's environmental protection problems. By adjusting to this challenge, we will be able to ensure sustainable development within human societies. The understanding of direct and indirect effects of global change on biodiversity will be crucial for management and conservation of nature. Over the last decades, the analyses carried out by ecologists have revealed the great fragility of natural balances and the dramatic ecological consequences of unwise human activities. Intended aspirations require highly skilled, with a broad education professionals, capable to work creatively within the changing conditions. One of the environmental strategy priorities is a training of qualified environmental and other areas specialist with regard to the changing situation, environmental management and technology innovation in the world.

**Entry requirements:**

Minimal education - secondary education

**Access to further study and carrier**

The BSs of Applied Ecology students will be well equipped to seek a wide variety of jobs. Graduates of the BSc program will have a broad range of technical, communication, analytical, and interpersonal skills, together with a firm grounding in Environmental Science. These skill sets have been defined as requirements for employment in the environmental sector. The main skills can be summarized as follows: an understanding of the more significant industrial processes and other human activities that can affect the environment, along with the technology and management strategies to prevent, control and remedy those effects; skills to communicate effectively, think creatively, deal effectively with conflict and risk, solve problems systematically and to use the relevant tools (computers, sampling and analytical, monitoring, technical references, etc.). Students will gain qualifications and experience that allows them the career prospects in regional and international environment agencies as an environmental Specialist, municipal nature conservation offices as a park ranger, park naturalist, environmental education specialist, park activities coordinator; ministries and other public and non governmental authorities in fund raising and foundation work, environmental education, risk assessment; impact assessment, etc.

Bachelors in Ecology are welcome to continuing studies in the second level (Master). University students have the opportunity to study individual subjects abroad under the Erasmus program.

Goal of the study program**:**

**The main goal of the program**- to develop a theoretically ready, able to think critically and creatively, with broad range of knowledge and skills within the areas of ecology and protection of environment bachelors in ecology and those who are able to adapt the knowledge and skills in professional life within changing environmental conditions gaining perspicacity about the conservation of national resources in general, which, in turn, is one of the most crucial issues in the contemporary arena.

**Links of partial study program targets; study results (deliverables) and study subjects:**

| Partial study program targets | Types of deliverables | Study results (deliverables) | Study subjects |
|---|---|---|---|
| ***First partial target –*** to educate graduates who have a humanistic | Knowledge and its application | To figure out the principles and regularities of society formation, economic development, the functioning of the state, the cultural differences between countries | The Development of Society |

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| orientation, critical thinking, ability to communicate freely and responsibly choose values, are socially active within the global economy, science and culture | | To understand the importance of continual training in the changing and developing information society | Philosophy;<br>Psychology |
| | | Recognize and appropriately use the special terminology | English for Specific Purpose |
| | Special skills | Clearly formulate ideas in communications, discussions, preparing oral and written reports for different and various audiences | English for Specific Purpose |
| | Social skills | Analyze and evaluate the economic, financial and political situation; social phenomena, processes and their consequences | The Development of Society |
| | Personal skills | Work independently and collectively, to foster the creative powers; pooling together in co-operation | Philosophy;<br>Psychology;<br>English for Specific Purpose |
| | | Apply a holistic approach to maturation of ideas, evaluation opinions, making the decisions | Philosophy;<br>The Development of Dociety |
| ***Second partial target*** form a theoretical system of knowledge of live and inanimate nature, ecosystem understanding and identification, ability to develop the skills of mathematical methods application and information technology adaptation; necessary for assessing the different nature components and applying protective measures | Knowledge and its application | Know and apply the mathematical, physical and chemical methods, information technology solving environmental problems. | General Chemistry;<br>Environmental Chemistry and Toxicology;<br>Special Physics;<br>Soil Science;<br>High Mathematics and Probability Theory;<br>Informatics;<br>GIS Fundaments |
| | | Acquire knowledge about different elements of the nature structure, their characteristics, the ecosystem systemic groups of organisms, their biological and ecological characteristics; human-environment relationship. | Biogeography;<br>Plant Biology;<br>Microbiology;<br>Invertebrate Zoology;<br>Mycology and Plant Pathology;<br>Dendrology;<br>Vertebrate Biology;<br>Management of Wildlife Population;<br>Hydrobiology;<br>Ecological Genetics;<br>General Ecology;<br>Applied Ecology;<br>Human Ecology;<br>Biological Diversity and its Conservation;<br>Environment Quality Assessment;<br>Landscape Ecology and Management |
| | Research implementation skills | To plan a scientific or technological research, interpret the results of statistical analysis | Principles of Research and Technical Creativity;<br>High Mathematics and Probability Theory; |

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| | | Integrating the theoretical knowledge on the topic, identify the chosen research problem, to analyze the previous research work carried out within the topic, to adapt the methodology for research and for decision making within the projects, and to formulate conclusions and potential solutions | Environment Impact Assessment and Monitoring;<br>Environment Quality Assessment;<br>Environmental Projects;<br>Principles of Research and Technical Creativity;<br>Landscape Ecology and Management |
| | Special skills | Distinguish woody and herbaceous plants, microorganisms, fungi, insects, birds and animals, soil types, forest types and their ecological characteristics | Plant Biology;<br>Microbiology;<br>Invertebrate Zoology;<br>Mycology and Plant Pathology;<br>Dendrology;<br>Soil Science;<br>Vertebrate Biology;<br>Management of Wildlife Population;<br>Hydrobiology;<br>Applied Ecology;<br>Human Ecology;<br>Biological Diversity and its Conservation;<br>Practical Training of Plant Biology and Dendrology;<br>Ecology Complex Field Practice 1;<br>Ecology Complex Field Practice 2;<br>Practice of Professional Activity |
| | | Apply information technology in assessing and solving environmental problems | Informatics;<br>GIS Fundaments;<br>Landscape Ecology and Management |
| | | Assess the status of the air, soil, water and the impact of environmental factors on human health, to choose the preventive measures of pollution, biodiversity protection; apply an environmental impact assessment and monitoring systems | Environment Quality Assessment;<br>Human Ecology;<br>Biological Diversity and its Conservation;<br>Environment Impact Assessment and Monitoring;<br>Landscape Ecology and Management |
| | Social skills and personal skills | Understand specialized texts and technical terms, participate in discussions, develop and present reports | Principles of Research and Technical Creativity |
| | | Solving the practical and theoretical-practical problems, for solution selection to find, apply and interlink different subject information, seeking for the rational use of natural, human, technical and technological factors in combination | Landscape Ecology and Management |
| | | Use the scientific, legal and other special sources of information, be able to select, organize, evaluate and apply them in practice | Environment Impact Assessment and Monitoring ;<br>Management of Wildlife Population; |

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| | | | Environment Quality Assessment |
| | | To be able to plan a strategy for action and be able to work independently or in team | Landscape Ecology and Management |
| **Third partial target –** to develop a knowledge system of the individual components of the environment and human economic activity management, skills to take the right decisions in environmental management | Knowledge and its application | To get acquainted with the impact of sustainable forestry, agrotechnologies in agroecosystems; water resources and environmental protection measures as well as the engineering solutions, human safety means in the professional environment | Sustainable Forestry;<br>Use and Protection of Water Recourses;<br>Agrotechnologies and Environmental Protection;<br>Environmental Engineering and Waste Management;<br>Human Safety |
| | | To get acquainted with the basic ecological ethics rules, systems and tools of environmental economics, management and law | Environmental Management;<br>Environmental Law;<br>Environmental Economics;<br>Environmental Ethics and Sustainable Development |
| | Special skills | Assess the technologies of, natural resources use in different ecosystems, engineering solutions in terms of environmental protection. | Sustainable Forestry;<br>Use and Protection of Water Recourses;<br>Agrotechnologies and Environmental Protection;<br>Environmental Engineering and Waste Management;<br>Human Safety;<br>Recreation |
| | | Apply social and economical environmental protection regulatory measures | Environmental Management;<br>Environmental Law;<br>Environmental Economics;<br>Environmental Ethics and Sustainable Development;<br>Practice in Environmental Education for Entrepreneurship |
| | Social skills and personal skills | To be able to clearly and convincingly present the information in writing or orally to various audiences | All study subjects |
| Value attitudes | | Respect to material and spiritual cultural values, which are built on carefully planned, organized and qualified of work carried out. | All study subjects |
| | | Confidence, willingness to take responsibility for their actions and decisions | |

**First Cycle (Bachelor's) *Applied ecology* Study Program Study Plan**

| No. | Subjects, practices | Volume | | Semester | |
|---|---|---|---|---|---|
| | | ECTS credits | hours | Full-time studies | Part – time studies |
| **GENERAL UNIVERSITY STUDY SUBJECTs (18 CR.)** | | | | | |
| 1. | Lithuanian for Beginners | 3 | 80 | 1 | 2 |
| 2. | Philosophy | 3 | 80 | 1 | 2 |
| 3. | The development of Society | 3 | 80 | 2 | 1 |
| 4. | Psychology | 3 | 80 | 2 | 2 |
| 5. | English for Specific Purpose1 | 3 | 80 | 2 | 2 |
| 6. | English for Specific Purpose2 | 3 | 80 | 3 | 3 |
| **Total** | | **18** | **480** | **x** | **x** |
| **SUBJECTS OF THE MAJOR FIELD/BRANCH AND RELATE SUBJECTS, PRACTICES, FINAL KNOWLEDGE CHECKS (165 CR.)** | | | | | |
| **Study subjects** | | | | | |
| 1. | General Chemistry | 4 | 106 | 1 | 3 |
| **2.** | Environmental Chemistry and Toxicology | 6 | 160 | 5 | 7 |
| **3.** | Special Physics | 4 | 106 | 2 | 3 |
| **4.** | Soil Science (1,0 cr. TP*) | 6 | 160 | 2 | 2 |
| **5.** | Landscape Ecology and Management | 6 | 160 | 7 | 6 |
| **6.** | Biogeography | 3 | 80 | 6 | 11 |
| **7.** | High Mathematics and Probability Theory | 4 | 107 | 1 | 1 |
| **8.** | Informatics | 4 | 107 | 1 | 3 |
| **9.** | GIS Fundaments | 5 | 134 | 4 | 4 |
| **10.** | Plant Biology | 9 | 240 | 1 | 1 |
| **11.** | Microbiology | 3 | 80 | 1 | 4 |
| **12.** | Invertebrate Zoology | 5 | 133 | 3 | 6 |
| **13.** | Mycology and Plant Pathology | 4 | 107 | 4 | 4 |
| **14.** | Dendrology | 6 | 160 | 2 | 3 |
| **15.** | Vertebrate Biology | 5 | 133 | 5 | 5 |
| **16.** | Management of Wildlife Population | 3 | 80 | 5 | 8 |
| **17.** | Hydrobiology | 3 | 80 | 3 | 4 |
| **18.** | Ecological Genetics | 3 | 80 | 2 | 9 |
| **19.** | General Ecology | 6 | 160 | 3 | 5 |
| **20.** | Applied Ecology | 9 | 240 | 4 | 6 |
| **21.** | Human Ecology | 6 | 160 | 5 | 6 |
| **22.** | Biological Diversity and its Conservation | 6 | 160 | 5 | 9 |
| **23.** | Environment Quality Assessment | 9 | 240 | 6 | 9 |
| **24.** | Environment Impact Assessment and Monitoring | 6 | 160 | 7 | 10 |
| **25.** | Principles of Research and Technical Creativity | 5 | 133 | 6 | 5 |

| | | | | | |
|---|---|---|---|---|---|
| **26.** | Environmental Projects | 3 | 80 | 8 | 12 |
| **Total** | | **133** | **3546** | x | x |
| **Practices** | | | | | |
| **1.** | Practical Training of Plant biology and dendrology | 5 | 134 | 2 | 2 |
| **2.** | Ecology Complex Field Practice 1 | 5 | 133 | 4 | 6 |
| **3.** | Ecology Complex Field Practice 2 | 4 | 107 | 6 | 8 |
| **4.** | Practice of Professional Activity | 6 | 160 | 7 | 10 |
| **Total:** | | **20** | **534** | | |
| **Final knowledge check** | | | | | |
| **1.** | Final Thesis | 12 | 320 | 8 | 12 |
| **Total:** | | **165** | **854** | **x** | **x** |
| **DETERMINED BY UNIVERSITY, CHOSEN BY STUDENT STUDY SUBJECTS OF OTHER BRANCH (ENVIRONMENT MANAGAMENT) (45 CR.)** | | | | | |
| **Determined by university obligatory study subjects of other branch (15 cr.)** | | | | | |
| **1.** | Human Safety | 3 | 80 | 8 | 12 |
| **2.** | Environmental Engineering and Waste Management | 6 | 160 | 8 | 11 |
| **3.** | Environmental Law | 6 | 160 | 8 | 11 |
| **Optional study subjects of Natural recourse use and protection (18 cr.)** | | | | | |
| **1.** | Use and Protection of Water Resourses (0,5 cr. TP) | 6 | 160 | 4-6 | 5, 8 |
| **2.** | Agrotechnologies and Environment Protection | 6 | 160 | 4-6 | 5, 8 |
| **3.** | Sustainable Silviculture | 6 | 160 | 4-6 | 5, 8 |
| **4.** | Recreation | 6 | 160 | 4-6 | 5, 8 |
| **Optional study subjects of Environmental management (12 cr.)** | | | | | |
| **1.** | Environmental Ethics and Sustainable Development | 4 | 107 | 7 | 4, 9, 10 |
| **2.** | Environmental Economics | 4 | 107 | 7 | 4, 9, 10 |
| **3.** | Environmental Management | 4 | 107 | 7 | 4, 9, 10 |
| **4.** | Practice in Environmental Education for Entrepreneurship | 4 | 107 | 7 | 4, 9, 10 |
| **Total:** | | **45** | 1200 | **x** | **x** |
| **FREE ELECTIVE SUBJECTS (12 CR.)** | | | | | |
| **1.** | Free Elective subject | 3 | 80 | 3 | 5 |
| **2.** | Free Elective Subject (Language Learning Group Study Subject) | 3 | 80 | 4 | 4 |
| **3.** | Free Elective Subject | 3 | 80 | 5 | 7 |
| **4.** | Free Elective Subject | 3 | 80 | 6 | 8 |
| **Total:** | | **12** | **320** | **x** | **x** |
| **Total volume of practices in study program together with training practices integrated into study subjects:** | | **21 (21,5)** | | **x** | **x** |
| **Total volume of final knowledge checks in the study programme** | | **12** | **320** | **x** | **x** |
| **Total volume in study program:** | | **240** | **6400** | **x** | **x** |

* TP – training practice

# First Cycle (Bachelor's) *Applied Ecology* Study Programme Full-time Study extended Plan

| Code | Study Subject | Credits | Term | Contact hours (acad. hours) | Including | | | | | | | | Indepen-dent work, hrs. | Independent work, hrs. (numerator - the number of independent works, denominator - number of hours) | | | | | | | | | Form of knowled-ge checks | Coordinating teacher |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | L | LW | S | E | TP | N | C | E | | TP/T | LRP | T | PL/E | Ps | In | TT | E | O | | |
| **GENERAL UNIVERSITY STUDY SUBJECTS (18 CR.)** | | | | | | | | | | | | | | | | | | | | | | | | |
| KEFPB012A | Philosophy | 3 | 1 | 48 | 36 | - | 9 | - | - | x | 1 | 2 | 32 | - | - | - | - | 3/16 | - | - | 16 | - | Written exam | Lect. R. Garškaitė |
| KEFBB030A | Psychology | 3 | 2 | **48** | 36 | - | 9 | - | - | x | 1 | 2 | **32** | - | - | - | - | 3/16 | - | - | 16 | - | Written exam | Assoc. prof. dr.. R. Adomo-nienė |
| KEKABA | English for Specific Purpose1 | 3 | 2 | **48** | - | - | - | 44* | - | x | 2 | 2 | **32** | - | - | - | - | | 1/16 | - | 16 | - | Written exam | Lect. I. Augustaitienė |
| KEKABA | English for Specific Purpose2 | 3 | 3 | **48** | - | - | - | 44* | - | x | 2 | 2 | **32** | - | - | - | - | | 1/16 | - | 16 | - | Written exam | Lect. I. Augustaitienė |
| KEFPB044A | The Development of Society | 3 | 2 | 48 | 36 | | 9 | | | x | 1 | 2 | 32 | - | - | - | - | 3/16 | - | - | 16 | - | Written exam | R. Urbaitytė |
| KEKAB024A | Lithuanian for Beginners | 3 | 1 | **48** | - | - | - | 44* | - | x | 2 | 2 | **32** | - | - | - | - | | 1/16 | - | 16 | - | Written exam | Assoc. prof. N. Račkauskaitė |
| **Iš viso:** | | **18** | **x** | **288** | **108** | **-** | **27** | **132** | - | **x** | **9** | **12** | **192** | - | - | - | - | **48** | **48** | - | **96** | - | **x** | **x** |
| **SUBJECTS OF THE MAJOR FIELD/BRANCH AND RELATE SUBJECTS, PRACTICES, FINAL KNOWLEDGE CHECKS (165 CR.)** | | | | | | | | | | | | | | | | | | | | | | | | |
| ***Study subjects*** | | | | | | | | | | | | | | | | | | | | | | | | |
| MEAEB034A | General Chemistry | 4 | 1 | 64 | 30 | 31 | - | - | - | x | 1 | 2 | 42 | - | - | 1/11 | 5/10 | - | - | - | 21 | - | Written exam | Prof. dr. V. Paulauskas |
| MEAEB001A | Environmental Chemistry and Toxicology | 6 | 5 | 84 | 44 | 36 | - | - | - | x | 2 | 2 | 76 | - | - | - | 13/34 | 1/10 | - | - | 32 | - | Written exam | Lect. D. Šileikienė |
| MFITB068A | Special Physics | 4 | 2 | 64 | 34 | 27 | - | - | - | x | 1 | 2 | 42 | - | - | - | 5/11 | - | 1/10 | - | 21 | - | Written exam | Assoc. prof. dr.. D. Girdauskienė |
| AFADB019A | Soil Science (1 cr. TP) | 6 | 2 | 90 | 33 | 33 | - | - | 20 | x | 2 | 2 | 70 | - | - | - | 12/36 | - | - | - | 27 | 7 | Egz. ž. | Prof. habil. dr. A. Motuzas |
| MEMBB001A | Landscape Ecology and Management | 6 | 7 | 84 | 42 | - | - | 38* | - | x | 2 | 2 | 76 | 1/44 | - | - | - | - | - | - | 32 | - | Written exam | Lect. dr. R. Žalkauskas |
| MEAEB002A | Biogeography | 3 | 6 | 48 | 25 | - | - | 20 | - | x | 1 | 2 | 32 | - | - | 1/6 | 3/6 | - | - | - | 16 | - | Written exam | Lect. Ž. Preikša |
| MFITB009A | High Mathematics and Probability Theory | 4 | 1 | 64 | 34 | - | - | 27 | - | x | 1 | 2 | 43 | - | - | 1/10 | 4/8 | - | - | - | 21 | 4 | Written exam | Prof. dr. P. Rupšys |
| MFITB034A | Informatics | 4 | 1 | 64 | 21 | - | - | 40* | - | x | 1 | 2 | 43 | - | - | 1/10 | 5/12 | - | - | - | 21 | - | Written exam (test). | Lect. N. Laurinavičienė |
| MEMMB001A | GIS Fundaments | 5 | 4 | 70 | 28 | - | - | 38* | - | x | 2 | 2 | 64 | - | - | - | 5/15 | - | 1/22 | - | 27 | - | Written exam | Prof. dr. A. Augustaitis |
| AFBBB003A | Plant Biology | 9 | 1 | 126 | 61 | 60 | - | - | - | x | 3 | 2 | 114 | - | - | 1/20 | 14/31 | - | - | - | 48 | - | Written exam | Assoc. prof. dr.. S. Gliožeris |
| AFBBB007A | Microbiology | 3 | 1 | 48 | 25 | 20 | - | | - | x | 1 | 2 | 32 | - | - | 1/10 | 3/6 | - | - | - | 16 | - | Written exam | Assoc. prof. dr.. A. Krasauskas |
| AFBBB023 | Invertebrate | 5 | 3 | 70 | 33 | - | - | 33 | - | x | 2 | 2 | 63 | - | - | 1/1 | 7/21 | - | - | - | 27 | - | Written | Prof. habil. dr. |

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| A | Zoology | | | | | | | | | | | | | | | 5 | | | | | | | exam | A. Žiogas |
| AFBBB025A | Mycology and Plant Pathology | 4 | 4 | 56 | 27 | 26 | - | - | - | x | 1 | 2 | 51 | - | - | 1/12 | 9/18 | - | - | - | 21 | - | Written exam | Lect. A. Šaluchaitė |
| MEMBB002A | Dendrology | 6 | 2 | 84 | 41 | - | - | 39* | - | x | 2 | 2 | 76 | - | - | 1/16 | 5/15 | - | 1/13 | - | 32 | - | Oral exam | Assoc. prof. dr.. L. Straigytė |
| MEMBB003 | Vertebrate Biology | 5 | 5 | 70 | 34 | - | - | 32 | - | x | 2 | 2 | 63 | - | - | | 7/18 | - | 1/10 | - | 27 | 8 | Written exam | Assoc. prof. dr.. G. Brazaitis |
| MEMBB004A | Management of Wildlife Population | 3 | 5 | 48 | 25 | 20 | - | - | - | x | 1 | 2 | 32 | - | - | | 5/16 | - | | - | 16 | - | Written exam | Assoc. prof. dr.. K. Pėtelis |
| MEAEB004A | Hydrobiology | 3 | 3 | 48 | 23 | 6 | - | 16 | - | x | 1 | 2 | 32 | - | - | 1/10 | 6/16 | - | - | - | 16 | - | Written exam | Assoc. prof. dr.. A. Raškauskienė |
| MEMBB005A | Ecological Genetics | 3 | 2 | 48 | 25 | 4 | - | 16 | - | x | 1 | 2 | 32 | - | - | | 2/6 | - | 1/10 | - | 16 | - | Written exam | Prof. dr. D. Danusevi-čius |
| MEAEB003A | General Ecology | 6 | 3 | 84 | 42 | - | - | 38 | - | x | 2 | 2 | 76 | - | - | 1/20 | 8/24 | - | - | - | 32 | - | Written exam | Lect. dr. I. Varnagirytė-Kabašinskienė |
| MEAEB036A | Applied Ecology | 9 | 4 | 126 | 61 | - | - | 60 | - | x | 3 | 2 | 114 | - | - | 1/20 | 16/46 | - | - | - | 48 | - | Written exam | Assoc. prof. dr.. A. Raškauskienė |
| MEAEB005A | Human Ecology | 6 | 5 | 84 | 42 | - | - | 38 | - | x | 2 | 2 | 76 | - | - | 1/17 | 9/27 | - | - | - | 32 | - | Written exam | Assoc. prof. dr.. V. Dulskienė |
| MEAEB006A | Biological Diversity and its Conservation | 6 | 5 | 84 | 42 | - | - | 38 | - | x | 2 | 2 | 76 | - | - | 1/20 | 8/24 | - | - | - | 32 | - | Written exam | Lect. Ž. Preikša |
| MEAEB007A | Environment Quality Assessment | 9 | 6 | 126 | 61 | 60 | - | - | - | x | 3 | 2 | 114 | - | - | 2/20 | 20/46 | - | - | - | 48 | - | Written exam | Lect. dr. A. Stiklienė |
| MEAEB008A | Environmental Impact Assessment and Monitoring | 6 | 7 | 84 | 42 | - | - | 38 | - | x | 2 | 2 | 76 | - | - | 1/20 | 8/24 | - | - | - | 32 | - | Written exam | Assoc. prof. dr.. A. Gavenauskas |
| MEMMB002A | Principles of Research and Technical Creativity | 5 | 6 | 70 | 50 | - | - | 16* | - | x | 2 | 2 | 63 | - | 1/20 | - | 8/16 | - | - | - | 27 | - | Written exam | Assoc. prof. dr.. A. Petrauskas |
| MEAEB022 | Environmental Projects | 3 | 8 | 48 | 25 | - | - | 20 | - | x | 1 | 2 | 32 | - | - | 1/10 | 3/6 | - | - | - | 16 | - | Written exam | Asist. R. Gegužis |
| **Total:** | | **133** | **x** | **1936** | **950** | **323** | **-** | **547** | **20** | **x** | **44** | **52** | **1610** | **44** | **20** | **241** | **540** | **10** | **65** | **10** | **704** | **19** | **x** | **x** |
| ***Practices (training practices not integrated into study subjects and professional activity)*** | | | | | | | | | | | | | | | | | | | | | | | | |
| MEMBB015A | Practical Training of Plant Biology and Dendrology | 5 | 2 | 100 | - | - | - | - | 100 | x | - | - | 33 | - | - | - | - | - | - | - | - | 33 | Evaluation | Assoc. prof. dr.. L. Straigytė |
| MEAEB013A | Ecology Complex Field Practice 1 | 5 | 4 | 100 | - | - | - | - | 100 | x | - | - | 33 | - | - | - | - | - | - | - | - | 33 | Evaluation | Assoc. prof. dr.. V. Marozas |
| MEAEB014A | Ecology Complex Field Practice 2 | 4 | 6 | 80 | - | - | - | - | 80 | x | - | - | 27 | - | - | - | - | - | - | - | - | 27 | | Assoc. prof. dr.. V. Marozas |
| MEAEB015A | Practice of Proffesional Activity | 6 | 7 | 12 | - | - | - | - | - | x | 2 | 10 | 148 | - | - | - | - | - | - | - | - | 148 | Evaluation | Lect. A. Stiklienė |
| **Total:** | | **20** | **x** | **292** | **-** | **-** | **-** | **-** | **280** | **x** | **2** | **10** | **241** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **241** | **x** | **x** |

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| **Final knowledge check** | | | | | | | | | | | | | | | | | | | | | | | | |
| MEBDB001 A | Final Thesis | 12 | 8 | 24 | - | - | - | - | - | x | 24 | - | 296 | - | - | - | - | - | - | - | - | 296 | Defence | BDVK |
| **Total volume of the major field/branch** | | **165** | **x** | **225 2** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **2147** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| **DETERMINED BY UNIVERSITY, CHOSEN BY STUDENT STUDY SUBJECTS OF OTHER BRANCH (ENVIRONMENT MANAGAMENT) (45 CR.)** | | | | | | | | | | | | | | | | | | | | | | | | |
| ***Determined by university obligatory study subjects of other branch (15 cr.)*** | | | | | | | | | | | | | | | | | | | | | | | | |
| IFISB062A | Human Safety | 3 | 8 | 48 | 25 | 18 | 2 | - | - | x | 1 | 2 | 32 | - | - | - | 6/12 | | | 4 | 16 | | Written exam | Assoc. prof. dr.. A. Mieldažys |
| MEAEB010 A | Environmental Engineering and Waste Management | 6 | 8 | 84 | 42 | - | 38 | - | - | x | 2 | 2 | 76 | - | - | 1/18 | 1/26 | - | - | - | 32 | - | Written exam | Assoc. prof. dr.. L. Česonienė |
| MEAEB011 A | Environmental Law | 6 | 8 | 84 | 42 | - | 38 | - | - | x | 2 | 2 | 76 | - | - | 1/20 | 8/24 | - | - | - | 32 | - | Written exam | Asist. V. Gagienė |
| ***Optional study subjects of Natural recourse use and protection (18 cr.)*** | | | | | | | | | | | | | | | | | | | | | | | | |
| VŽHSB026 A | Use and Protection of Water Resourses (with 0,5 cr. TP) | 6 | 4-6 | 87 | 42 | - | 31 | - | 10 | x | 2 | 2 | 73 | - | - | 1/18 | 10/20 | - | - | - | 32 | 3 | Written exam | Assoc. prof. dr.. M. Dapkienė |
| MEAEB026 A | Agrotechnologies and Environmental Protection | 6 | 4-6 | 84 | 44 | 6 | 30 | - | - | x | 2 | 2 | 76 | 1/30 | - | 1/10 | 2/4 | - | - | - | 32 | - | Written exam | Assoc. prof. dr.. L. Česonienė |
| MEMBB006 A | Sustainable Silviculture | 6 | 4-6 | 84 | 42 | - | 38 | - | - | x | 2 | 2 | 76 | 1/30 | - | 1/14 | - | - | - | - | 32 | - | Written exam | Assoc. prof. dr.. J. Šepetienė |
| MEMBB007 A | Recreation | 6 | 4-6 | 84 | 42 | - | 38 | - | - | x | 2 | 2 | 76 | 1/30 | - | 1/14 | - | - | - | - | 32 | - | Written exam | Prof. habil. dr. E. Riepšas |
| ***Optional study subjects of Environmental management (12 cr.)*** | | | | | | | | | | | | | | | | | | | | | | | | |
| MEAEB012 A | Environmental Ethics and Sustainable Development | 4 | 7 | 56 | 27 | - | 26 | - | - | x | 1 | 2 | 51 | - | - | 1/10 | - | 4/20 | - | - | 21 | - | Written exam | Assoc. prof. dr.. A. Gavenauskas |
| EVEAB574 A | Environmental Economics | 4 | 7 | 56 | 33 | - | 20 | - | - | x | 1 | 2 | 51 | - | - | 1/18 | 4/12 | - | - | - | 21 | - | Written exam | Asist. B.Kniūkšta |
| EVVKB814 A | Environmental Management | 4 | 7 | 56 | 27 | - | 26 | - | - | x | 1 | 2 | 51 | - | - | 1/16 | 7/14 | - | - | - | 21 | - | Written exam | Assoc. prof. dr.. A. Astromskienė |
| EVVKB087 A | Practice in Environmental Education for Entrepreneurship | 4 | 7 | 56 | 27 | - | 26 | - | - | x | 1 | 2 | 51 | - | - | 1/16 | 7/14 | - | - | - | 21 | - | Written exam | Assoc. prof. dr.. A. Astromskienė |
| **Total:** | | **45** | | **639** | **324** | **24** | **249** | **-** | **10** | **x** | **14** | **18** | **562** | **x** | **x** | x | x | x | x | x | x | x | x | x |
| **Iš viso:** | | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| **FREE ELECTIVE SUBJECTS (12 CR.)** | | | | | | | | | | | | | | | | | | | | | | | | |
| x | Free Elective Subject | 3 | 3 | 48 | x | x | x | x | x | x | 1 | 2 | 32 | x | x | x | x | x | x | x | x | x | Written exam | |
| x | Free Elective subject (Language Learning Group study subject) | 3 | 4 | 48 | x | x | x | x | x | x | 2 | 2 | 32 | x | x | x | x | x | x | x | x | x | Written exam | x |
| x | Free Elective subject | 3 | 5 | 48 | x | x | x | x | x | x | 1 | 2 | 32 | x | x | x | x | x | x | x | x | x | Written exam | x |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| x | Free Elective subject | 3 | 6 | 48 | x | x | x | x | x | x | 1 | 2 | 32 | x | x | x | x | x | x | x | x | x | Written exam | x |
| **Total:** | | **12** | **x** | **192** | **x** | **x** | **x** | **x** | **x** | **x** | **5** | **8** | **128** | x | x | x | x | x | x | x | x | x | x | x |
| **Total volume of practices in study program together with training practices integrated into study subjects:** | | **21 (21,5)** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | x | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| **Total volume of final knowledge checks in the study programme** | | **12** | **x** | **24** | **x** | **x** | **x** | **x** | **x** | **x** | **24** | **x** | **296** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **296** | **x** | **x** |
| **Total volume of study program:** | | **240** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | x | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |

*- exercises carried out in subgroups

Legend: L - lectures; LW – laboratory work; S – seminars; E - exercise; TP – training practice; C - consultations; E – examinations; TP/T – term paper/thesis; LRP – library-research paper; T - test; PL (E) preparation for laboratory work (exercise, seminars); In – individual task; TT – team/group task; E – preparation for an examinations; O – preparation for training practice and other forms of independent work.