



UNIVERSITY STUDY PROGRAMME OF THE UNIVERSITY OF ŽILINA

INSTITUTE OF HIGH MOUNTAIN BIOLOGY MASTER'S DEGREE STUDY

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ACCREDITED STUDY PROGRAMMES FOR THE ACADEMIC YEAR 2017/2018

MASTER'S DEGREE STUDY PROGRAMME	
FULL-TIME STUDY LENGTH OF STUDY 2 YEARS	PART-TIME STUDY LENGTH OF STUDY 3 YEARS
Alpine and Mountain Ecology	-

Detailed information on particular study programmes:

- study plans,
- course information sheets

may be found at http://vuvb.uniza.sk/#/ihmb/education/alpine_ecology/study_plan_eng

ANTICIPATED NUMBER OF STUDENTS ADMITTED TO THE FIRST YEAR OF STUDY: MASTER'S DEGREE STUDY		
STUDY PROGRAMME / FIELD OF STUDY	PLANNED CAPACITY	
	FULL-TIME	PART-TIME
Alpine and Mountain Ecology / General Ecology and Individual and Population Ecology	20	-



ADMISSION REQUIREMENTS

1. **The fundamental requirement** of admission for the graduate study program (second degree) is the full completion of the first degree study (undergraduate study, Bc.), (Higher Education Act, n.131/2002 Coll.).
2. **Language requirements** – The proficiency in English language in written word with an ability to write own master thesis is essential.
3. **Health requirements** – the medical confirmation of capability to higher education is not required and the application thus will be accepted without need of the medical confirmation.



FORMS OF ACCEPTANCE

Rules of Selection Procedure:

The applicants must obtain an education equivalent to Slovak Bachelor's degree with a minimum of 80 ECTS within the field of environmental sciences (ecology, biology, geology, limnology, or equivalent courses) to be eligible for the study of Master degree programme in the field of Ecology. The content and description of second degree studies in the field General Ecology and individual and population Ecology define the completion of bachelor degree in the same field or similar fields (natural and agricultural) as a condition of acceptance. By this requirement the common background knowledge is secured mainly in math, statistics, physics, chemistry, geology, geomorphology, hydrology, climatology, soil science, botany, zoology, microbiology, genetics, physiology of plants and animals, and also other ecological disciplines (general ecology, autecology, demecology, synecology) for all applicants and students of this programme. Second degree studies create the conditions for continuing in a third degree study. The results obtained at first degree study will be taken into account in an admission process. Applicants that will meet the requirements will be selected based on an oral interview. The interview will be related to the content of the applicant's graduation thesis from the first degree programme.



ACCEPTANCE OF FOREIGN STUDENTS

Foreign applicants have same admission requirements as applicants from SR. Conditions of their studies follow relevant international and bilateral agreements.



HOW TO APPLY

Applicants will fill out the Application form for higher educational study- 2nd degree, or may use electronic form of this application. Electronic application may be filled at the web page of UNIZA <https://vzdelavanie.uniza.sk/prijimacky/index.php> or at the portal for higher education institutions <https://prihlaskavs.sk/sk/>.

Attention, in the case of the electronical application form, it is still required to print out the form, sign, provide required attachments and send it all by post to address of UNIZA within provided deadline.

Incomplete application form or form that would be sent after the deadlines will not be accepted.

In case of absence or failure at the admission process at UNIZA the fee for the admission process will not be paid back.

If applicant wants to take part at admission procedures at several different faculties of UNIZA the applicant must apply to each faculty individually and pay required fees.

Attachments for application form:

1. CV
2. Confirmation of payment for the fee for admission procedure
3. Copy of diploma
4. Transcript of records from previous studies

Fee for admission procedure

30 € needs to be sent to following account: Žilinská univerzita v Žiline, Univerzitná 1, 010 26 Žilina

Bank: Štátna pokladnica

IBAN: SK40 8180 0000 0070 0008 0700

Constant symbol: 0308

Variable symbol: 19032 - magisterské štúdium

Means of payment:

the execution of the payment is possible by transfer of the fee directly from the account or by postal note to the above mentioned account.

Confirmation of the payment:

the confirmation needs to be sent along with the application form

When paying the fee from countries within the EU, EEA, lands that are accepted as a part of EU (art. 299 Treaty of Rome) and countries that voluntarily accepted SEPA, the following account information is to be used:

BIC: SPSRSKBAXXX, IBAN: SK40 8180 0000 0070 0008 0700.

Tuition – in accordance to Higher Education Act the information on tuition for relevant academic year will be published by University of Žilina on its website in fixed terms.



USEFUL DATES

Study programme	Open Day in SR	Deadline for application form submission
Alpine and Mountain Ecology	April 5, 2017 from 11 a.m.	https://vzdelavanie.uniza.sk/prijimacky/start.php until 21.8.2017



ACCOMMODATION

All the students are entitled to an accommodation in accordance with the internal regulations of the universities.

In the course of the studies in Tatranská Javorina there is an option of accommodation at the premises of the Institute of High Mountain Biology, or in private accommodation facilities in the surrounding villages. IHMB may help to find suitable accommodation for students.



Board

In the course of the study in Tatranská Javorina students can board individually or prepare the meals on the premises of the Institute themselves.



SCHOLARSHIPS AND FINANCIAL SUPPORT

Students of the Master's degree programmes can obtain motivational scholarships (for excellent results or exceptional achievements) in accordance to regulations of the University of Žilina. **The students of programme Alpine and Mountain Ecology may in addition obtain motivational departmental scholarships based on fixed criteria.**

Foreign stays within the ERASMUS+ are supported by financial amount according to accepting country.



CONTENT, AIMS OF THE PROGRAMME AND GRADUATE OPPORTUNITIES

ALPINE AND MOUNTAIN ECOLOGY (Why should you consider to study Alpine Ecology?)

(Study field 4.3.4 General Ecology and Individual and Population Ecology)

Recently, the Alpine environment experiences severe changes, which have real ecological and economic consequences to surrounding countries and also countries further away. Together with changing climate, the integrity of alpine ecosystems changes as well, influencing large amount of plant and animal species. There is a radical retreat in mass of glaciers, these serve as an important water source in mountain valleys mainly in seasons of summer and fall, the traditional model of agriculture is disappearing, the quality of surface waters changes, populations of endemic and relict species of biota are declining. Water sources, power plants and dams in high mountains produce amount of electricity and water supply that is far from the planned production. The economy of water, forests changes as well as conditions of tourism and dependence of local regions on it.

The aims of Master degree programmes Alpine and Mountain Ecology is education of young scientists who will be part of the solution of the above mentioned problems.

The combinations of theory and practical skills is central to the programme, this will ensure that students will be given theoretical background and practice demanded for potential employment or following studies.

The aims of the study programme

The aims of the study programme is to educate participants with excellent multidisciplinary knowledge in vast field of Ecology.

Individual work will be stressed especially during the process of writing the diploma thesis. Students will be taught to understand and to critically evaluate data, methods and results of scientific research. Students will be also taught the interdisciplinary communication and cooperation, the process of making a study design and reporting of the results. Successful completion will present adequate qualification for a continuation in doctoral degree. Absolvents may continue in PhD programmes in the field of natural sciences, ecology and other similar fields.

Graduates opportunities

Absolvent poses a knowledge of various ecological phenomena and relations in nature and also of factors limiting or enhancing these processes. The absolvent is also able to identify and interpret the interactions within the environment in relation to his/her area of focus (water, air, within the soil horizon, and on the surface) based on:

- Model species (plants, animals)
- Data from scientific institutions dealing with environmental monitoring
- Changes in the landscape. He / She is able to deal with partial tasks regarding the nature conservation and establishment of environment.

Absolvent may work in

- Basic or applied research
- Specific tasks of national nature conservation
- Third sector organizations dealing with environmental issues

Absolvent understands basic problematics of mutual relationships of abiotic and biotic components of ecosystems based on biological, chemical, landscape, geographical and conservational characteristics of the environment. He/She is able to identify anthropogenic impact and propose relevant conservation methods. Under the guidance of skilled professional he/she is able to independently deal with partial tasks in conservation and creation of the environment.