

## FACULTY OF NATURAL SCIENCES MBU

Tajovského 40, 974 01 Banská Bystrica,  
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**Application deadline:** until **30/04/2022** (internal and external studies)

**On the basis of a decision of the faculty management, the 2nd stage of submitting applications for individual bachelor and master study programs may be announced.**

**In Decree No. 1/1603/2022 Deputy Chairperson of the Dean of the Faculty of Science, Matej Bel, approved the extension of the deadline for submitting applications in all levels of university study programmes to **April 30, 2022.****

### **Date of the written admission examination:**

8/ – 10/ 06/ 2022 Bachelor's and Master's Degree Studies (internal and external studies)

10/ 06/ 2022 PhD. studies (internal and external studies)

### **FNS open day:**

November/ 2021 – during Science Week

February 2022 - the deadline will be specified on the faculty and university websites.

### **Admission Examination Fee**

Application for one study programme (paper document) – **35 €**

Application for one study programme (electronic document) – **32 €**

**Payments are only accepted by wire transfer to the following:**

#### **1. Fee payment from EU countries:**

Name of account:	Univerzita Mateja Bela v Banskej Bystrici
Name and adress of the bank:	<b>Štátna pokladnica, Radlinského 32, 810 05 Bratislava 15</b>
IBAN:	<b>SK75 8180 0000 0070 0009 5590</b>
SWIFT / BIC:	<b>SPSRSKBA</b>
VS (Variable symbol):	<b>5031</b> (Bachelor's study) <b>5032</b> (Master's study) <b>5033</b> (PhD's study)
KS (Konstant symbol):	<b>0308 – bezhotovostné platby</b>
SS (Specific symbol):	<b>birth certificate number</b> (applicants from the Slovak Republic) <b>date of birth in the following form: DDMMYY</b> (foreign applicants)
Message for the recipient:	<b>name and surname of the applicant</b>

#### **2. Payment of the fee through an intermediary bank from outside the EU:**

Name of account:	Univerzita Mateja Bela v Banskej Bystrici
Name and adress of the bank:	<b>Všeobecná úverová banka, a. s., Mlynské Nivy 1, 829 90 Bratislava</b>

IBAN: **SK75 8180 0000 0070 0009 5590**  
 SWIFT / BIC: **SUBASKBXXXX**  
 VS (Variable symbol): **5031** (Bachelor's study)  
**5032** (Master's study)  
**5033** (PhD's study)  
 KS (Konstant symbol): **0308 – bezhotovostné platby**  
 SS (Specific symbol): **birth certificate number** (applicants from the Slovak Republic)  
**date of birth in the following form: DDMMYY** (foreign applicants)  
 Message for the recipient: **name and surname of the applicant**

**The admission fee must be paid by the applicant or person authorized by him/her by bank transfer no later than last day of deadline for applications. The application for study without a paid fee in the fixed amount will not be accepted.**

**Accredited Study Programmes Offered by the Faculty of Natural Sciences MBU in the Academic Year 2022/2023**

<b>BACHELOR'S DEGREE STUDIES</b>						
Faculty	Study Programme	Form of Study	Degree of Study	Period of Study	Place of Study	Total admitted
<b>Branch of Study: Ecological and Environmental Sciences</b>						
FNS	Environmental Biology	Internal	BA	3yrs	Banská Bystrica	35
<b>Branch of Study: Informatics</b>						
FNS	Applied Informatics and Software Development	Internal	BA	3yrs	Banská Bystrica	65
<b>BA Internal Studies in Total</b>						<b>100</b>
<b>Branch of Study: Earth Science</b>						
FNS	Applied Informatics and Software Development	External	BA	4yrs	Banská Bystrica	25
<b>BA External Studies in Total</b>						<b>25</b>

<b>MASTER'S DEGREE STUDIES</b>						
Faculty	Study Programme	Form of Study	Degree of Study	Period of Study	Place of Study	Total admitted
<b>Branch of Study: Ecological and Environmental Sciences</b>						
FNS	Environmental Biology	Internal	MA	2yrs	Banská Bystrica	20
<b>MA Internal Studies in Total</b>						<b>20</b>
<b>BA and MA in Total</b>						<b>145</b>
<b>Notes:</b> <i>In case of a lesser number of applicants for a specific study programme in external form, the faculty reserves the right not to open the programme.</i>						

**DOCTORAL STUDIES**

Study Programme	Form of Study	Degree of Study	Period of Study
<b>Branch of Study Ecological and Environmental Sciences</b>			
<i>Environmental Biology</i>	Internal	PhD.	4 yrs.
<i>Environmental Biology</i>	External	PhD.	5 yrs.

## GENERAL INFORMATION ABOUT THE ADMISSION PROCEDURE

The application is due on **30/04/2022** for both Bachelor's, Master's and Doctoral's degree studies in internal and external form. Postmarked date will be taken into consideration. The applicant may apply for more than one study programme but the applicant may only include one study programme in each application. It is necessary to always attach a copy of payment confirmation of the admission fee to the application form. Without the confirmation, the application form will not be accepted and will be returned.

Admission examination fee is **€35** for one study programme of University studies in internal and external form (**€32** for the electronic application forms).

If the applicant applies for two and more study programmes offered by the FNS MBU, the applicant should pay **€35 fee for each study programme (€32 for each study programme** for the electronic application form).

Refunds will not be granted for applicants that do not succeed or did not take part in the admission examination. In case of the applicant's absence from the admission examination due to a serious reason, part of the fee will be refunded once a written request is delivered to the student administration office of the faculty. The request must be postmarked before the date of admission examination.

The theses for the admission examination including the extent of required knowledge will be sent by the student administration office of the faculty along with the invitation to the admission examination.

Applicants that are accepted without an admission examination will be sent an admission decision after the student admission office has received both a secondary school diploma and the final-year school report (for MA's degree studies, a BA diploma; for PhD's degree studies, a MA or Ing. diploma). This is in accordance to § 58 of the law. 131/2002 Coll. Students who pass the admission examination will be sent the decision regarding their admission to studies according to § 58 of the law 131/2002 Coll.

### Attachments to be attached with the application for a Bachelor's degree study

1. The CV of the applicant,
2. A copy of the receipt for the admission proceedings fee payment (the payment must be wired, postal money orders cannot be accepted), A copy of the payment confirmation
3. A certified copy of secondary school leaving ending examination certificate (in case of applicants for a Bachelor's degree study who already have a high school leaving ending exam certificate)
4. The ECL (European Consortium for the Certificate of Attainment in Modern Languages) certificate confirming Slovak language proficiency at the B2 level or a certificate confirming Slovak language proficiency at the B2 level issued by a language school included in the network of schools and educational institutions of the Ministry of Education, Science, Research and Sport of the Slovak Republic (<https://www.minedu.sk/siet-skol-a-skolskych-zariadeni-slovenskej-republiky/>) or alternatively in the country of origin of the applicant..

Applicants for a Bachelor's degree study who have secondary school graduation certificate in the same year as an application submission and apply for the study programme with no admission examination must deliver **a certified copy of a high school graduation certificate** to the faculty's Admission Office by **24 June 2022**.

### **Attachments to be attached with the application for a Master's degree study**

1. The CV of the applicant,
2. A copy of the receipt for the admission proceedings fee payment (the payment must be wired, postal money orders cannot be accepted), A copy of the payment confirmation
3. A certified copy of a State Examination Diploma pertaining to the Bachelor's study or a Confirmation of a graduation of Bachelor's study (in the case of applicants for a Master's degree study who completed their studies at other universities). Honorable statement on the delivery of end-of-study papers (valid for applicants who finish a bachelor study in this academic year)
4. The ECL (European Consortium for the Certificate of Attainment in Modern Languages) certificate confirming Slovak language proficiency at the B2 level or a certificate confirming Slovak language proficiency at the B2 level issued by a language school included in the network of schools and educational institutions of the Ministry of Education, Science, Research and Sport of the Slovak Republic (<https://www.minedu.sk/siet-skol-a-skolskych-zariadeni-slovenskej-republiky/>) or alternatively in the country of origin of the applicant.

### **Attachments to be attached with the application for a PhD's degree study**

1. The CV of the applicant,
2. A copy of the receipt for the admission proceedings fee payment (the payment must be wired, postal money orders cannot be accepted), A copy of the payment confirmation
3. A certified copy of a State Examination Diploma pertaining to the Master's study,
4. A Confirmation of graduation of a Master's study (in the case of applicants for a Master's degree study who completed their studies at other universities),
5. Dissertation project – Framework

## **CONDITIONS FOR ADMISSION**

According to § 58 of the law 131/2002 Coll., the admission procedure commences once the applicant for University studies sends the application form for studies at the Faculty of Natural Sciences at MBU.

According to § 58, Section 3 b/ of the law 131/2002 Coll. all external applicants employed as volunteers, civil service, or special forces are required to enclose a certificate of continuous employment with their application. In case of a insufficient number of applicants for a specific study programme in external form, the faculty reserves the right not to open the programme.

The faculty does not require a medical certificate for university studies.

Foreign students must meet the aforementioned criteria, too. Foreign students who are not capable of speaking Slovak fluently are obliged to take part in a one-month language course provided by the Methodological centre MBU for Slovaks living abroad.

The Recognition of the education certificate obtained from secondary schools abroad is in the competence of the regional school authority which issues the decision after a review of the details ensuring that all conditions have been met.

## **Admission Examination**

### ***BACHELOR'S DEGREE STUDY***

In the academic year 2022/2023 the admission examination for the **Bachelor's degree programmes** in both internal and external form will be held as follows:

1. According to the guarantor of the study programme's decision, applicants can be admitted to studies with no admission examination if the number of applicants does not exceed the admission plan. In this case, The admission condition is a completed secondary education with a secondary graduation examination.
2. If the number of applicants exceeds the admission plan for the study programme, applicants will be admitted to studies according to admission test results. In order for the applicant to successfully pass the written test, the applicant must have an assessment of at least 50% from the test result (in case of a Teaching Study Programmes with a combination, the two specialisation tests must have an assessed of at least 50%).

Written tests will be given for:

- biology, encompassing the secondary grammar school curriculum for the study programme **Environmental Biology**,
- mathematics and computer science, encompassing the secondary grammar school curriculum for the study programme **Applied Informatics and Software Development**.

### ***MASTER'S DEGREE STUDY***

The applicant for study in a **Master's degree** study programme in the academic year 2022/2023 must have completed a bachelor's degree of studies in the same or similar study programme which is being applied for. **Study applicants who have completed a bachelor's degree of studies abroad are required under § 106 of Act no. 131/2002 Coll. to present a recognition of a qualification or Diploma obtained outside the territory of the Slovak Republic. The applicant admitted to studies is obliged to present the recognition of documents no later than the date of enrolment.**

In the academic year 2022/2023 the admission examination for **Master's degree** programmes in both internal and external form will be held as follows:

1. According to the guarantor of the study programme's decision, applicants can be admitted to studies with no admission examination if the number of applicants does not exceed the admission plan. Basic condition for admission will be a completed bachelor's degree of studies in the same or similar study programme.
2. If the number of applicants exceeds the admission plan for the study programme, applicants will be admitted to studies according to admission test results. In order for the applicant to successfully pass the written test, the applicant must have an assessment of at least 50% from the test result (in case of a Teaching Study Programmes with a combination, the two specialisation tests must have an assessed of at least 50%).

Tests will be written in:

- environmental biology encompassing the bachelor's degree studies curriculum for the study programme **Environmental Biology**,

Evaluation of a written admission tests to bachelor's and master's study programmes is carried out electronically. Results of the entrance examination will be published on a notice board on the Faculty's premises approximately an hour later, and posted on the faculty's website on the next day. The applicant has the right to ask about the evaluation of the written test and ask a committee of the Faculty of Natural Sciences for an explanation.

More detailed information on individual study programmes and admission examination can be found on the website of the Faculty of Natural Sciences MBU and on the websites of individual departments.

Information concerning the admission procedure for doctoral studies at the Faculty of Natural Sciences is currently published on the website of the faculty in accordance with the current Directive on doctoral studies at the Faculty of Natural Sciences MBU.

### ***PHD. 'S DEGREE STUDY***

Informations for admission to PhD studies at the FNS MBU are currently available on the faculty's website in accordance with the current directive for PhD study at the FNS MBU.

### **ACCOMODATION, BOARDING AND HEALTH CARE**

*Accommodations facilities are located in the residence hall ŠD 1:*

- address: Tajovského 40, 974 01 Banská Bystrica, director of the residence hall: Ing. Orličková Katarína, telephone: 048/4467619, e-mail: [katarina.orlickova@umb.sk](mailto:katarina.orlickova@umb.sk), information desk of the residence hall - telephone: 4467620,
- bus connection: bus n. 34, 35, 36 to Podlavice and/or Skubín, trolleybus n. 1 to the Roosevelt Hospital (bus stop *Tajovského SOU* and a five-minute walk),
- type of accommodation: triple and double rooms with shared bath and lavatory. Furnishings: bed, bed-side table, wardrobe, shelves, chair, writing desk, blanket, pillow, bed cover, and bedding. On each floor, there is a common kitchen (cooker, cupboards)
- common rooms: study rooms, V club – managed by University students.

Boarding: In the building of the residence hall ŠD 1 there is a canteen for both students and employees of MBU.

Health Care: in the premises of the residence hall ŠD 1 there is a GP and a dental office.

All requests and information regarding accommodation will be sent to applicants along with a decision on admission and other information.

### **THE APPLICATION OF GRADUATES**

#### **Bachelor's Degree Study**

**SP – Applied Informatics and Software Development** - Graduates of the 1st degree study program of professionally oriented university study of applied informatics and software development can analyze, design, implement, maintain and test information technology

software systems creatively and independently. The graduate of the study program gains knowledge and practical experience in the field of software systems development, will be able to use them in industry, economics, education, healthcare and other sectors. The graduate is able to apply in practice, but also to successfully continue the study of applied informatics at the 2nd level.

**SP – Environmental Biology** - The graduate will apply his biological, ecological and environmental education at lower levels of management in various public, private and non-governmental organizations focused on nature and landscape protection, care for the environment and its components, management of ecological and environmental problems and risks. He can work in specialized laboratories, as a manager of databases of biological, ecological and environmental data and as a GIS worker for spatial interpretations and graphical outputs of these data. The graduate may also continue post-graduate studies in a given field or related fields of study.

### **Master's Degree Study**

**SP - Environmental Biology** - The graduate has extended interdisciplinary theoretical and practical knowledge of biological-ecological and environmental sciences. He is able to analyze the structure, dynamics and functions of ecological systems and understand the principles, mechanisms and processes of organization of these systems. He is able to assess the real ecological and environmental sustainability of the proposed solutions, e.g. in the case of agriculture, forestry and water management and climate change. He applies his knowledge in the analysis of the selected area in terms of provided ecosystem services, their specification, importance and evaluation.

## **UNIVERSITY STUDIES AT THE FACULTY OF NATURAL SCIENCES MBU, ORGANISATION AND COURSE OF STUDIES**

University studies are based on the ECTS credit system, a tool that helps to evaluate and manage the studies. University education is realised within accredited study programmes in a bachelor's (three-year) and master's (two-year) degree, and doctoral studies (a three-, four- or five-year degree). Study programmes are realised in internal or external form by in-class or distant methods of learning.

The Faculty of Natural Science MBU presents itself as an educational institution whose aim is to educate future teacher of academic subjects and professional subject and practical preparation as well as experts in the non-educational area. The Faculty is a leading institution in Central Slovakia thanks to its varied and professional specialisation in the area of natural sciences and ecology. Excellent students are offered the possibility to study abroad within the Erasmus Programme (e.g. at Universidad de Murcia in Spain, Oulu University of Applied Sciences in Finland, Friedrich Schiller University of Jena in Germany, etc.).

Study programmes in the Pedagogy of Academic Subjects and the Pedagogy of Professional Subjects and Practical Preparation is usually realised as a combination study in two specialisation subjects or as a one specialisation subject at a master's level. The future teachers who wish to teach one more specialisation are provided with the continuing education in external form by the Faculty, as stated in the legislation in force.

The future teachers are prepared for teaching at the secondary level of primary schools, secondary grammar schools and secondary vocational schools. Their pedagogical qualification is guaranteed by the courses of pedagogical-psychological basis, by passing

didactic professional courses, and by classroom experience and (continuous) pedagogical practice.

Graduates of the non-teaching study programme of Forensic and Criminalistic Chemistry, Mathematics, Geopotential of Regions, Mathematics of Data Analysis and Finance, Applied Computer Science, and Applied Geology become experts in the practice.

The Doctoral study programmes of *Mathematical Analysis* and *Geochemistry* are focused on the graduates' acquirements in the latest scientific findings reflecting the current state of scientific research in the respective study programme.

Lectures and seminars in all study programmes are given within the premises of the Faculty of Natural Sciences MBU in Banská Bystrica. As for material-technical support, it fully corresponds to a degree of study and to a specialisation of the accredited study programme. Lectures and seminars are held in lecture halls, specialised classrooms used for experimental teaching of computer science, engineering and technologies, chemistry, physics, biology; computer classrooms, GIS classroom, collections, and libraries of the individual departments. The building houses the University Library with reading rooms of specialised magazines, periodicals, with audio-visual equipment and access to on-line library system. In addition to specialised classroom, Internet access is provided within the premises of the Faculty.

## **STUDY CONDITIONS FOR DISABLED STUDENTS AND STUDENTS WITH SPECIFIC NEEDS**

The Faculty of Natural Sciences provides the appropriate study conditions for all disabled students and students with specific needs in accordance with their special study conditions and without lowering the requirements for their study performance. Applicants and students with special needs are disadvantaged in access to higher education because of their health or learning disabilities combined with the social factors that result from them. To overcome this disadvantage, targeted support services and appropriate adjustments are required without lowering the entitlement to their student results. All of the faculty premises are accessible to disabled people. For the visually impaired students, a student workplace with special software Jaws is set up. Each student is treated with specific approach according to his/her needs.

More detailed information about the conditions and possibilities of study for students with special needs can be found in the Study Guide for Students with Specific Needs at Matej Bel University in Banská Bystrica, which is available on the faculty webpage in the Study / Student / Students with Special Needs section.

### **Coordinator for students with special needs:**

doc. Ing. Ľudovít Trajtel', PhD., Tel.: 048/ 446 7131, e-mail: ludovit.trajtel@umb.sk