UNIVERSITY OF ŽILINA
Faculty of Management Science and Informatics

MASTER'S DEGREE STUDY

CONTACT

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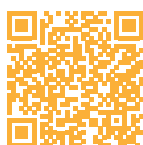## ACCREDITED STUDY PROGRAMMES OFFERED FOR THE ACADEMIC YEAR 2025/2026

MASTER´S DEGREE STUDY PROGRAMMES	
FULL-TIME STUDY LENGTH OF STUDY 2 YEARS	**PART-TIME STUDY**** LENGTH OF STUDY 2 YEARS
Information Systems *	-
Biomedical Informatics *	-
Intelligent Information Systems *	-
Applied Network Engineering *	-
Information Management	Information Management
Computer Engineering *	-

* study programme is taught in the Slovak language or in the English language
** tuition fee for part-time study programmes is € 1, 350 per academic year

Detailed information about the study programmes:
- curriculum,
- course information sheets

EXPECTED NUMBER OF ADMITTED STUDENTS FOR THE FIRST YEAR

MASTER´S DEGREE STUDY		
STUDY PROGRAMME / FIELD OF STUDY	**PLANNED CAPACITY**	
	PART-TIME	**FULL-TIME**
Information Systems / Informatics	80	-
Biomedical Informatics / Informatics	20	-
Intelligent Information Systems / Informatics	40	-
Applied Network Engineering / Informatics	40	-
Information Management / Economics and Management	80	20
Computer Engineering / Informatics	40	-
TOTAL	300	20

ADMISSION REQUIREMENTS

The fundamental admission requirement

The fundamental admission requirement for the Master's degree study (graduate study programmes) is the full completion of the first degree of higher education (Higher Education Act, No.131/2002 Coll. as amended). In the case of a foreign applicant or a students whocompleted their study abroad, they shall submit the nostrification of study recognized by a relevant institution in the Slovak republic, along with the application form no later than on the date of enrolment or they can ask UNIZA to have their Bachelor's degree recognized.

Other conditions of admission

1. No entrance examination

Those applicants who successfully completed the specified subjects (or their equivalent according to the course information sheets) during their Bachelor's degree study may enclose a written request to waive the entrance examination. to the Dean of the Faculty They find the template on the website of Faculty of Management Science and Informatics of UNIZA.

2. Entrance examination

Other Bachelor's degree graduates who do not meet the criteria for admission without entrance exams will be admitted according to a ranking based on the weighted study average of the Bachelor's degree study (the classification of entrance examination subjects is included as well) until the capacity of the faculty is fulfilled.

During the entrance examination, knowledge within a range of subjects specified for each Master´s degree study programme will be checked in a form of a test. The specified subjects for the entrance examination for the first year are the following:

STUDY PROGRAMME	PRESCRIBED SUBJECTS
Information Systems Biomedical Informatics Intelligent Information Systems	6UA0002 Probability and Statistics 6UI0004 Algorithms and Data Structures 1
Computer Engineering	6BI0025 Computer Engineering
Information Management	6UM0008 Management 1
Applied Network Engineering	6BI0026 Computer Networks 1 6BI0027 Computer Networks 2 6BI0028 Computer Networks 3 6UI0005 Process Analysis

Terms of the admission procedure

After the deadline for submitting the application forms, the Faculty will send the invitation letter for the entrance examination to all the applicants , containing a detailed information about the entrance examination, as well as the number of the room in which they will take the entrance examination.

After the registration the applicant will take a test of the specified subjects for their Master´s degree study programme within the set time limit. The results will be published on the day of the entrance examination on the website http://vzdelavanie.uniza.sk/prijimacky/. The candidates will gain access to their results by entering their surname and the identification code. The Dean's Office will send a written decision on the result of the entrance examination to the applicants by 31 July 2025.

Students who will fail at the entrance examination can be admitted to a three-year conversion Master´s degree study programmes. Applicants are admitted without entrance examination to a three-year conversion Master´s degree study programmes based on the weighted study average of their Bachelor's degree study results.

ADMISSION OF FOREIGN STUDENTS

Foreign applicants have the same admission requirements as the Slovak applicants.

Foreign students who study in a different language other than Slovak, pay the tuition fee as stated in Section 92 (8) of the Higher Education Act. **The tuition fee is specified by the UNIZA guidelines and published for the respective academic year on the University website. Foreign applicants (except for applicants from the Czech Republic) who want to study in the state language are required to pass a Slovak language test with at least B1 level** *. The Institute of Longlife Learning will publish the test dates, both present and online. Only applicants who passed it successfully, will be admitted for study at the faculty. When the applicant passed his test successfully at the Institute of Longlife Learning in the past, we will accept that result. Foreign students who study in the Slovak language do not have to pay the tuition fee. Applicants from the Czech Republic can use the form valid in the Czech Republic to submit their application form for study. For foreign applicants who were admitted on the basis of intergovernmental agreements, bilateral agreements or Slovak government grants, terms and conditions stated in the respective documents are applicable.

* *Passing the language test may be waived for applicants who have obtained the required level of the Slovak language at the language school IC Centre s.r.o. The guarantee of the study programme will take that decision based on the provided certificate.*

APPLICATION FORM

If the applicant would like to apply for more than one study programme, they shall submit just one application form in which they indicate the preferences of the study programmes They only pay one admission fee.

Applicants fill in the application form Prihláška na vysokoškolské štúdium – 2. stupeň *(Application form for graduate university study)* or they can use an electronic application form. The electronic application form is accessible on the UNIZA website: https://vzdelavanie.uniza.sk/prijimacky/ or on the Portal VS (University Portal): https://prihlaskavs.sk/sk/. In the case of the electronic application form it is necessary to follow instructions as specified in the system of Electronic Application Form.

Attachments to the Master's degree application form:
Graduates from the Faculty of Management Science and Informatics UNIZA:
- proof of payment of the admission fee,
- completed form for projects of the Master´s degree study,
- request for waiving the entrance examination where the applicantshave successfully passed the specified subjects during their Bachelor study.

Graduates from other faculties:
- proof of payment of the admission fee,
- preliminary transcript of records confirmed by the study affairs department of a respective faculty
- request for waiving the entrance examination where the applicants have successfully passed the specified subjects during their Bachelor study.

Graduates from other faculties are obliged to deliver or send by post a verified copy of the certificate of successful completion of the Bachelor´s degree study, a diploma supplement and a final list of the subjects to the Study Affairs Office no later than 30 June 2025.

Admission fee:

€ 20 to be sent to:	Žilinská univerzita v Žiline, Univerzitná 1, 010 26 Žilina
	Bank: Štátna pokladnica
	IBAN: SK96 8180 0000 0070 0026 9909
	Cons. symbol: 0308
	Variable symbol: 10532 – Master's study
Payment method:	The payment can be made by a bank transfer or postal order to the above account.
Proof of payment:	In case of a paper application form the proof of payment should be sent to the address of the faculty with the application form; in case of an electronic application form the scanned copy of the proof of payment will be uploaded in the system of Electronic Application Form.

With payment of the admission fee from the EU member states, the EES countries, territories that are considered a part of the EU (Treaty of Rome, Section 299) and SEPA countries, it is necessary to use **BIC: SPSRSKBAXXX**, **IBAN: SK96 8180 0000 0070 0026 9909**.

If applicants refuse to take an examination test or fail, the admission fee is non-refundable.

USEFUL DATES

Open Day	ONLINE[1] Open Day	Deadline for submitting the application form	Entrance examination
13 February 2025 from 10 a.m.	20 November 2024 from 4 p.m. to 9 p.m. 12 March 2025 from 4 p.m. to 9 p.m.	31 March 2025	28 May 2025

[1] *Access to the ONLINE Open Day will be via application on the website of the Faculty http://www.fri.uniza.sk.*

ACCOMMODATION

The accommodation facilities of the University of Žilina provide accommodation according to the accommodation capacity, taking into account the distance between the students' permanent residence and the University. **Monthly accommodation fee: € 59 – € 71**.

CATERING

Students can use the services of the catering facility of the University of Žilina. **Price for food: € 1.30 – € 4.80**.

SCHOLARSHIPS

Students of all study programmes can obtain motivational scholarships (for excellent results or exceptional achievements) in accordance with the stated criteria. **Students of the study programmes Applied Informatics, Biomedical Informatics Intelligent Information Systems, Applied Network Engineering and Computer Engineering can obtain motivational field studies scholarships in accordance with the stated criteria.**

FOLLOW-UP STUDY AFTER COMPLETION OF MASTER´S DEGREE STUDY

There is an opportunity to apply for Doctoral degree study programmes at the Faculty of Management Science and Informatics UNIZA in the academic year 2025/2026 – **Applied Informatics**, **Management** (the respective information on particular study programmes can be found on the university website).

ADDITIONAL EDUCATIONAL ACTIVITIES

During their studies students have the opportunity to obtain various certificates for free. E.g.: CISCO IoT focused on using IoT technologies in businesses or ADONIS from BOC Group for effective modelling of business processes in companies.

GRADUATE EMPLOYABILITY

MASTER´S DEGREE STUDY PROGRAMMES

INFORMATION SYSTEMS
(Field of study 2508 Informatics)

The Master´s study in the program Information Systems will prepare the students for active and independent problem solving in research, development, projecting and designing of tools for support in decision making process, information systems and computer systems. They would be able to find a job in software companies, industry, public and private education, banking, health care, ecology, … They will be able to suggest, develop, implement, enlarge, adapt and localize large scale applications and information systems. Following their specializing they will have gained knowledge necessary for the creation of elaborated systems for decision making support of optimalisation as well as processing uncertain data or use of machine learning. They will be able to find a job as developers of application software, system analysts and programmers using their gained skills from the area of computer networks. They will gain a blend of knowledge in the areas of Informatics and Business systems so they can adapt to work requirements of the companies and the human resources market flexibly. Alternatively, they will run their own business in the area of Informatics.

BIOMEDICAL INFORMATICS
(Field of study 2508 Informatics)

Graduates of the programme will gain knowledge of Informatics and its applications in Medicine and Biomedicine. They will be able to find a job at various levels of management and development in industrial, software businesses and other companies in public or private sector focusing on medical data analysis, designing of biomedical information systems and software development for processing of medical and biomedical data. They will gain knowledge necessary for the production of complex information systems and will have an overview of typical problems in software development for medicine used in healthcare and biomedical laboratories. Thanks to that knowledge they will be able to design, develop, implement, enlarge, modify and localize large information systems for general use as well as for specific medical purposes.

INTELLIGENT INFORMATION SYSTEMS
(Field of study 2508 Informatics)

Graduates of Intelligent Information Systems programme will gain advanced knowledge of Informatics and the tools supporting decisions which use modelling facilities like machine learning, computer simulation and optimalisation. They are able to use modern information technologies at different levels of management in software companies, industry, banking, transport, medicine, education, ecology and other fields. They will be able to find a job as developers of application software, system analysts and programmers, to run their own business or to apply for doctoral studies.

APPLIED NETWORK ENGINEERING
(Field of study 2508 Informatics)

Graduates of the programme will gain advanced theoretical knowledge and practical skills in operation of information and communication systems, network technologies and infrastructure, design and communications network planning, system and network virtualization, integration and network security, and design of programme equipment for computer and network systems. They are prepared to adapt and respond to the latest trends and technologies, they will have developed skilled to work as individuals or in a team. Graduates are prepared to carry out suggestions and implementation of networks and their security, maintenance, operation and development of advanced information and communication systems, cloud and security solutions based on the requirements and trends. They are prepared to communicate with architects, developers, administrators and network-network security specialists, community of professionals and users of information and communication solutions and suppliers. They will be able to find a job in domestic and international job markets, at different levels of management in public or private sector in software and telecommunication companies, industrial companies, in

education, banking, transport, medicine and environmental businesses. Primarily they will be successful in finding a job in companies focusing on suggestions and administration of information and communication solutions (company networks, internet providers' networks, data centre solutions) and the areas of technologies related to them, for examples (suggestion and administration of network systems, virtual and cloud solutions, application of communication system security, TAC support). The most popular are positions like cloud and DevOps engineers, network and sound engineers, system engineers, system and technology consultants/specialists, software developers and engineers. Later they can become team leaders, architects and consultant specialists.