



# UNIVERSITY OF ŽILINA

## Faculty of Management Science and Informatics

### BACHELOR'S DEGREE STUDY

#### CONTACT

##### The University of Žilina

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**All the questions concerning your study you can direct to the Department of Studies:**

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## ACCREDITED STUDY PROGRAMMES OFFERED FOR THE ACADEMIC YEAR 2022/2023

### BACHELOR'S DEGREE STUDY PROGRAMMES

#### FULL-TIME STUDY

LENGTH OF STUDY 3 YEARS

Informatics\*

Information and Network Technologies\*

Informatics and Management\*

Management

Computer Engineering\*

#### PART-TIME STUDY\*\*

LENGTH OF STUDY 4 YEARS

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-

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Management

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\* study programme is taught in the Slovak language or in the English language

\*\* standard tuition fee for part-time study programmes is € 700 for an academic year

#### Detailed information about particular study programmes:

- syllabus,
- course information sheets





## EXPECTED NUMBER OF ACCEPTED APPLICANTS TO THE FIRST YEAR

BACHELOR'S DEGREE STUDY		
STUDY PROGRAMME / FIELD OF STUDY	PLANNED CAPACITY	
	FULL-TIME	PART-TIME
Informatics / Informatics	280	-
Information and Network Technologies / Informatics	100	-
Informatics and Management / Informatics	100	-
Management / Economics and Management	100	20
Computer Engineering / Informatics	80	-
<b>TOTAL</b>	660	20



## TERMS AND CONDITIONS OF ADMISSION

### Basic condition of admission

The basic condition for admission to the bachelor's degree study (the first degree study programme) is the full completion of secondary education or full secondary vocational education (Higher Education Act, No. 131/2002 Coll. as amended). In the case of a foreign applicant or a student who completed secondary education abroad, the education is comparable with an education completed by a school leaving examination in the Slovak Republic. An applicant who completed secondary education abroad will submit along with the application form or more precisely no later than on the date of enrolment the decision on the recognition of the certificate of completion of secondary education recognized by a relevant institution in the Slovak Republic.

### Other conditions of admission

#### 1. No entrance exams apply to:

- applicants who passed the external part of their school leaving examination in mathematics or SCIO tests of general study prerequisites or mathematics and their score was at least 60 %;
- applicants from secondary grammar schools, secondary vocational schools, associated schools and academies who have reached the average mean of marks at the year-end report for the penultimate year of study (not the final year) up to 1.7 (inclusive);
- applicants who are holders of official industrial certificates of CCNA level and higher;
- applicants who have obtained a certificate of successful completion of professional training courses organized by the Faculty;
- secondary school graduates who were during their secondary school study successful solvers of Olympiad, Students' Professional Activities (SPA, *in Slovak SOČ*) or international and national competitions listed in the table below and participated in the regional or national round.

OLYMPIAD	COMPETITIONS	
	NAME	CATEGORY
Mathematics Physics Informatics Young accountant	NAG alebo NetRiders	UNI, PT
	First Lego League (FLL)	
	RoboCupJunior	
	ZENIT	Category A and B: Programming, Web, Microelectronics
	Students' Professional Activities (SPA) (SOČ)	02 – Mathematics and Physics, 11 – Informatics, 12 – Electrical Engineering and Hardware, 15 – Economics and Management
	Pangea, iBobor	
	Junior Internet	Web, App, Design, Learn
	Young physicists tournament	

Compliance with one of the conditions mentioned in (a) to (e) above is sufficient for admission without entrance exams.

## 2. Entrance exams

Other secondary school graduates who do not meet the conditions for admission without the entrance exams will be accepted on the basis of the result of the entrance exams in the order of the total number of points achieved until reaching the capacity of the Faculty. At the entrance exams, not only the knowledge in the scope of secondary grammar school mathematics curriculum but also the ability of general logical thinking is verified in the form of a test.

Applicants for admission to more than one study programme shall indicate their order of preference in the application form. In that case **only one payment of the admission fee** is required. If the applicant succeeds in the entrance exams, he/she will be admitted in the order of preference for the study programme whose requirements are met.

### Terms of the admission procedure

After the application deadline, the Faculty sends an invitation to the entrance exams, which, in addition to detailed information on the course of the entrance exams, also contains the assigned identification code of the candidate and the number of the room in which he/she will pass the entrance exams. After registration and verification of compliance with the conditions under the provisions of Section 56, para. 1 of the Higher Education Act, the applicant passes a test in mathematics and logical thinking within a time limit of 120 minutes. Upon completion, the tests are scanned, evaluated automatically, and preliminary results are published on the day of the entrance exams on the website <http://vzdelavanie.uniza.sk/prijimacky/>. The candidate will gain access to his/her results by entering his/her surname and the identification code. After the conclusion of the admission procedure, the candidate is provided with, in addition to the result of the entrance exams, a complete assignment of the solved tests with indicated correct answers.

The Dean's office of the Faculty will deliver a written decision on the result of the entrance exams to the applicant within 14 days from the date of the entrance exams.

**Language competence** – written and oral command of Slovak or Czech; studying at the Faculty, including the possibility of passing some of its parts in higher grades abroad, requires the candidate's knowledge of at least one world language at least to the extent of the secondary school curriculum.

**Health certificates** – The Faculty does not require health certificates of medical fitness for university study and accepts applications without health certificates.



## ADMISSION OF FOREIGN STUDENTS

The basic and other terms and conditions of admission are applicable as for the applicants from abroad as for the applicants from Slovakia.

Foreign students who study in a foreign language (i.e. not Slovak), pay the tuition fee as stated in Section 92, para. 8 of the Higher Education Act. **The tuition fee is specified by the UNIZA directive and for the respective academic year and it can be found 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 language test is carried out online on the day of the entrance exams and its successful completion is a condition for admission to study \*\*.

Foreign students who study in the Slovak language do not pay the tuition fee. Applicants from the Czech Republic who want to apply and study in Žilina can use the application form valid in the Czech Republic. For foreign applicants who were admitted on the basis of intergovernmental agreements, bilateral agreements or scholarships offered by the Slovak government, the terms and conditions stated in respective documents are applicable.

\* *Passing the language test may be waived for applicants who have obtained the required level of Slovak language at a language school. The decision on the exemption from the language test is taken by the guarantor of the study programme on the basis of submitted certificate from a language school.*

\*\* *In the case of non-admission to the study due to unsuccessful completion of the language test, the applicant may submit a request for review of the decision on the result of admission procedure, in which he/she undertakes to improve the language skills during the first year of study through successful completion of language training (a language school or the Slovak language course at UNIZA). In reviewing the decision, the secondary school study results and the results of entrance exams (or more precisely meeting the conditions for admission without entrance exams) will be taken into account.*



## APPLICATION FORM

If the applicant wants to apply for more than one study programme, it is satisfactory to submit one application form whereas only one admission fee payment is required.

The preference of individual study programmes is indicated by the order directly in the application form.

Applicants fill in the application form Prihláška na vysokoškolské štúdium – 1. stupeň (application form for the first degree of the university study) or they can also use an electronic application form that can be found and filled in on the UNIZA university website <https://vzdelavanie.uniza.sk/prijimacky/> or on the Portal VŠ (University Portal): <https://prihlaskavs.sk/sk/>. In case of electronic application form it is necessary to follow instructions as specified in the system of Electronic Application Form.

### Enclosures for the bachelor's degree study programmes (to be sent along with the application form):

- Curriculum Vitae;
- proof of payment of the admission fee;
- another enclosure to demonstrate compliance with the relevant admission condition without the entrance exams.

### Admission fee:

Send € 20 to:

Žilinská univerzita v Žiline, Univerzitná 1, 010 26 Žilina

Bank: Štátna pokladnica

IBAN: SK96 8180 0000 0070 0026 9909

Const. symbol: 0308

Variable symbol: 10531 – bakalárske štúdium

### Payment method:

The payment can be paid by bank transfer or postal order to the account above.

### Proof of payment:

The proof of payment is to be sent to the Faculty along with the traditional application form; in case of an electronic application form the scanned copy of the proof of payment is to be uploaded to 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**. In case of non-participation in the admission procedure or a failure in the admission procedure, the Faculty does not refund the admission procedure fee.



## USEFUL DATES

Open Day	ONLINE <sup>2</sup> Open Day	Deadline for submitting the application form	Entrance exams
February, 17, 2022 from 10:00 a.m.	November, 10, 2021 from 4 p.m. to 9 p.m. March, 16, 2022 From 4 p.m. to 9 p.m.	until March, 31, 2022	June, 9, 2022

<sup>2</sup> ONLINE Open Day takes place online via the application located 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 student's permanent residence and the seat of the University. **Accommodation fee: € 41 – € 61 / month.**



## BOARD

Students can use the services of the catering facility of the University of Žilina. **Price for food: € 1.10 – € 3.20.**



## SCHOLARSHIPS

Students of all study programmes can obtain motivational scholarships (for excellent results or exceptional achievements) in accordance with the stated criteria. **Students of study programmes Informatics, Informatics and Management, Information and Network Technologies and Computer Engineering can obtain motivational departmental scholarships in accordance with the stated criteria.**



## POSSIBILITIES OF STUDY AFTER COMPLETION OF THE BACHELOR'S DEGREE

The possibility of further studies in the master's degree at the Faculty of Management Science and Informatics at UNIZA in the academic year 2022/2023 – **Information Systems, Biomedical Informatics, Intelligent Information Systems, Applied Network Engineering, Information Management, Computer Engineering** (the information on the study programmes can be found on the university's website). After the completion of the bachelor's degree, it is necessary to check the current status of the study programmes offered in a particular academic year.

### ADDITIONAL EDUCATIONAL ACTIVITIES

As part of their coursework, the students of the Faculty have the opportunity to prepare for the Cisco Certified Network Associate industry certifications free of charge under the auspices of the Networking Academy. The latter has been successfully operating at the faculty for 20 years and in 2015 was awarded as the best academy in providing CCNP courses in the Central Europe region (Europe-Central/Russia/CIS Recipients) and received the CCNP Academy Curriculum Excellence Award. The Faculty also runs a similarly focused Juniper Academy and, in the area of network security, a Fortinet Academy. The students of the Faculty thus have the opportunity to obtain globally recognized certificates (CISCO CCNA/CCNP, CompTIA+, Juniper JNCIA/JNCIS, Fortinet NSE and others), complete various internships and study stays or participate in various international competitions. After graduation, the graduate gains sufficient knowledge to start his/her own start-up business, too.



## GRADUATE PROSPECTS

### BACHELOR'S DEGREE STUDY PROGRAMMES

#### INFORMATICS

##### (Field of study 2508 Informatics)

Graduates of the bachelor's degree study programme acquire basic knowledge of informatics. They are able to work with software of information systems of businesses, to participate in its creation and implementation; they also gain knowledge of how to run a business. They are employable in all sectors of industry, in public administration, in the private sector and as independent entrepreneurs. The study programme prepares professionals who master computer technology and know how to apply modern information technologies, and it creates conditions for their further qualification growth in the field of informatics within the framework of the master's (engineer) degree study.

#### INFORMATION AND NETWORK TECHNOLOGIES

##### (Field of study 2508 Informatics)

The graduate of the study programme gains knowledge in the field of computer systems architectures, circuit solutions, fixed and wireless networks, security and safety of computer communication, principles and management of operating systems and solutions of virtualization, general and special programming techniques. The graduate masters not only the latest technologies, he/she is also ready to adapt quickly to the emerging technologies. The graduate understands the principles and theoretical foundations of the field and is able to apply them creatively in practice. He/she is ready to develop non-traditional ICT applications and implement new technologies in the field of computer systems and networks. The graduate is prepared for the development of non-traditional ICT applications and the implementation of new technologies in the field of computer systems and networks. The study programme is designed to provide students with the possibility to select the subjects from a wide range of subjects belonging to the field of computer systems and networks, and profile themselves into one of two offered specializations: network technologies or information technologies.

## **INFORMATICS AND MANAGEMENT**

### **(Field of study 2508 Informatics)**

Graduates of the study programme acquire the necessary knowledge of informatics. They are able to participate in the program implementation and operation of information systems in economic objects at all levels of management. They gain knowledge especially from the field of informatics, but also to the necessary extent in the field of business management with the use of modern information technologies, thus they can flexibly adapt to the requirements of the labour market, or independently run a business in the field of informatics. This knowledge enables them to work, for example, such as: a programmer able to implement projects of information systems; a programmer of WWW applications of corporate intranets; an IT engineer – a consultant able to work on solving IT problems in companies.

## **MANAGEMENT**

### **(Field of study 6213 Economics and Management)**

Graduates of the bachelor's degree study programme Management acquire key knowledge, skills and competences in the field of management disciplines. They are employable as senior employees (managers) at lower and middle level management of both production and non-production organisations. They become qualified professionals able to analyse existing problems in the management systems of organisations, prepared to creatively design their solutions, able to improve and optimise processes in organisations in order to create new values and achieve synergies and strategic competitive advantages.

## **COMPUTER ENGINEERING**

### **(Field of study 2508 Informatics)**

Graduates of the bachelor's degree study programme Computer Engineering are prepared to continue their study in the master's degree or they are employable in enterprises and institutions in the design, implementation, operation, maintenance and upgrading of computer systems, means of communication technology, industrial automation, measurement and diagnostic technology and the like. They are professionals in the development of digital systems based on microcomputers and programmable circuits that allows them to work as developers, designers or technologists.