# UNIVERSITY OF ŽILINA
# Faculty of Management Science and Informatics

## CONTACT

**University of Žilina**
**Faculty of Management Science and Informatics**
Univerzitná 8215/1, 010 26 Žilina
Tel.: 041/513 40 61, 40 62
e-mail: studref@fri.uniza.sk
http://www.fri.uniza.sk
http://www.budfri.sk

**All the questions concerning your studies will be answered at the Department of Studies:**
Tel.: 041/513 40 73, 40 74

**Coordinator for work with students with special needs:**
RNDr. Zuzana Borčinová
tel.: 041/513 42 79
e-mail: zuzana.borcinova@fri.uniza.sk

## ACCREDITED STUDY PROGRAMMES OFFERED FOR THE ACADEMIC YEAR 2020/2021

| MASTER'S DEGREE STUDY PROGRAMMES | |
|---|---|
| **FULL-TIME** LENGTH OF STUDY 2 YEARS | **PART-TIME \*\*** LENGTH OF STUDY 3 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* | |
| *\*\* standard tuition fee for part-time study programmes is € 800 for an academic year* | |

**Detailed information on particular study programmes**
- syllabus,
- course information sheets
 **can be found at http://vzdelavanie.uniza.sk/vzdelavanie/plany.php.**

**FACULTY OF MANAGEMENT SCIENCE AND INFORMATICS**

**MASTER'S DEGREE STUDY**

# EXPECTED NUMBER OF ACCEPTED APPLICANTS TO THE FIRST YEAR

| MASTER'S STUDY PROGRAMMES | | |
|---|---|---|
| **STUDY PROGRAMME / FIELD OF STUDY** | **PLANNED CAPACITY** | |
| | **FULL-TIME** | **PART-TIME** |
| **Information Systems** / Informatics | 80 | - |
| **Biomedical Informatics**/ Informatics | 20 | |
| **Intelligent Information Systems** / Informatics | 20 | - |
| **Applied Network Engineering** / Informatics | 20 | - |
| **Information Management** / Economics and Management | 60 | 20 |
| **Computer Engineering** / Informatics | 40 | - |
| **TOTAL** | 240 | 20 |

In case of a low number of applicants for full-time study, the Faculty retains the right not to open the study programme and to offer candidates another study programme in the same or related field of study.

In case of a low number of applicants for part-time study, the Faculty retains the right not to open the study programme.

# TERMS AND CONDITIONS OF ADMISSION

**Basic condition of admission**

The basic condition for admission to master's (engineering) degree study (study programme of the second degree) is the full completion of the first degree of university study (Higher Education Act, no. 131/2002 Coll.) in the same or related field of study. In case of a foreign applicant or a student who has completed his / her study abroad, he / she shall submit along with the application form (no later than the date of enrolment) a decision on the recognition of the certificate of completion of the first degree of higher education recognized by a relevant institution in the Slovak Republic or he / she shall ask UNIZA for the recognition of the certificate of education.

**Other conditions of admission**

1. No entrance exams

Those applicants who successfully passed the prescribed subjects (or their equivalent according to the course information sheets) during their bachelor study may apply in writing to the Dean of the Faculty for waiving the entrance exams. The written request is a part of the application form and is listed on the website of the Faculty of Management Science and Informatics UNIZA.

2. Entrance exams

Other bachelor's graduates who do not meet the requirements of being accepted without entrance exams will be accepted according to their ranking based on weighted average of their bachelor degree study results (in which the classification of entrance exams subjects is included as well) until the capacity of the Faculty is fulfilled.

At the entrance exams in the form of a written test each applicant's knowledge within a range of subjects prescribed for the given master's degree study programme is being verified. The prescribed subjects for the entrance exam for the first year of a two-year master's degree study are the following:

| STUDY PROGRAMME | PRESCRIBED SUBJECTS |
|---|---|
| Information Systems<br>Biomedical Informatics<br>Intelligent Information Systems | 5BA130 Probability and Statistics<br>5UI124 Algorithms and Data Structures1 |
| Computer Engineering | 5BH120 Computer Engineering |
| Information Management | 5BM125 Management 1 |
| Applied Network Engineering | 5BN103 Computer Networks 1<br>5BN104 Computer Networks 2<br>5BN111 Computer Networks 3<br>5US104 Process Analysis |

**Rules of Admission Procedure**

After the closing date for submitting the application forms, the Faculty sends out invitations to all applicants. In addition to detailed information about the course of the entrance exams, the invitation also includes the number of the room where the examination will be held. After registration, each applicant will complete the test of the subjects prescribed for the given master's (engineering) degree study programme within the specified time limit. The results are published on the day of the examination on the website http://vzdelavanie.uniza.sk/prijimacky/. All applicants get access to their results after entering their name and identification code. The Dean's Office will send a written decision on the result of the entrance examination to each applicant by July, 31, 2020.

Students who fail at the entrance exams can be admitted to the 3-year conversion master's (engineering) degree study programmes. To **the 3-year conversion master's (engineering) degree study programmes**, applicants are admitted without entrance exams on the basis of the weighted average of their undergraduate (Bachelor) study results.

# 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 § 92 Subsection 8 (Higher Education Act). The tuition fee is specified by the UNIZA directive and published for the respective academic year on the university website. **Foreign applicants (except those from the Czech Republic) who want to study in the state language are required to pass the language test in the Slovak language with a minimum level of B1\*.** The language test is carried out on the day of the entrance exams and its successful completion is a prerequisite for admission\*\*.

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

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

*\*\* In case of non-admission to 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 (language school or the Slovak language course at UNIZA). In reviewing the decision, the results from higher education institution and the results of entrance exams (or more precisely meeting the conditions for admission without entrance exam) will be taken into account).*

# APPLICATION FORM

**If the applicant wishes to apply for more than one study programme it is satisfactory to indicate their order of preference in one application form submitted whereas only one admission fee payment is required.**

Applicants have to fill in the form Prihláška na vysokoškolské štúdium - 2. stupeň or they can also use an electronic application form that can be found on the university website: https://vzdelavanie.uniza.sk/prijimacky/index.php or on the education portal: https:// prihlaskavs.sk/sk/. In case of the electronic application form it is necessary to follow instructions as specified in the system of Electronic Application Form.

**Enclosures for the master's (engineering) degree study programmes (to be sent with application forms):**

Graduates from the Faculty of Management Science and Informatics UNIZA:

- proof of payment of the admission fee,
- completed form for projects of engineering study,
- request for waiving the entrance exams in case the applicant has successfully passed the prescribed subjects during his/her bachelor study.

**Graduates from other faculties:**

- proof of payment of the admission fee,

- preliminary list of study results confirmed by the department of studies of respective faculty,
- request for waiving the entrance exams in case the applicant has successfully passed the prescribed subjects during his/her bachelor study.

Graduates from other faculties are obliged to deliver or send by post to department of studies no later than June, 30, 2020 a certified copy of the certificate of successful completion of the bachelor's degree study, a diploma supplement and a final, certified transcript of subjects completed along with their classification.

**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: | 10532 – inžinierske štúdium |

**Payment method:** payment can be paid by bank transfer or postal order to the account above.

**Proof of payment:** proof of payment is to be sent to the Faculty along with the traditional application form; in case of the electronic application form the scanned copy of the proof of payment is to be uploaded to the system.

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 absence or failure of entrance exams, the Faculty does not refund the admission fee.

# USEFULL DATES

| Open Day | ONLINE[1] Open Day | Deadline for submitting the application form | Entrance exams |
|---|---|---|---|
| February, 13, 2020 from 10:00 a.m. | November, 13, 2019 from 4 p.m. to 9 p.m. March, 12, 2020 from 4 p.m. to 9 p.m. | until March, 31, 2020 | June, 4, 2020 |

[1] *Online Open Day takes place online via the application located on the website of the faculty http://www.fri.uniza.sk*

# ACCOMODATION

Accommodation facilities of the University of Žilina in Žilina offer accommodation according to accommodation capacity, taking into account the distance between the student's permanent residence and the seat of the University. **Student accommodation facilities cost approx.: € 41 € – € 51 per month.**

# BOARD

Students can use services of catering facilities of the University of Žilina in Žilina. **Price for food: 1,10 € – 2,40 €.**

# 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 Information Systems, Biomedical Informatics, Intelligent Information Systems, Applied Network Engineering and Computer Engineering can obtain motivational departmental scholarships in accordance with the stated criteria.**

# FOLLOW-UP STUDIES AFTER COMPLETION OF MASTER'S (ENGINEER) DEGREE STUDIES

There is a possibility of extended studies within follow-up doctoral degree study programmes at the Faculty of Management Science and Informatics UNIZA in the academic year 2020/2021 – **Applied Informatics, Intelligent Information Systems, Management** (respective information about particular study programmes is available at the university website).

# GRADUATE PROSPECTS

**MASTER'S (ENGINERING) DEGREE STUDY PROGRAMMES**

**INFORMATON SYSTEMS**
**(Field of study – Informatics)**
Master's (engineering) degree study in the study programme Information Systems prepares graduates to find and present their own solutions in research, development, design and implementation of software tools to support decision making, information systems and computer systems. After graduation, the graduate is ready to lead, adapt and implement modern information technologies in various application areas and work efficiently as an individual or as a team member or a team leader.

**BIOMEDICAL ENGINERING**
**(Field of study – Informatics)**
Graduates of the study programme have acquired knowledge of informatics and its applications in medicine and biomedicine. Thanks to this, they will be able to work at various levels of management and development in industrial enterprises, software companies and other institutions, public and private sector dealing with analysis of data and medical data, creation of medical information systems and development of software for processing medical and biomedical data. Graduates of this study programme have acquired the knowledge of informatics necessary for creating complex information systems and, in addition, they will have an overview of typical problems in the field of development of software for medical practice that is used in healthcare or biomedical laboratories. With this knowledge, they are able to design, develop, implement, expand, adapt and locate large-scale IT systems for general purposes as well as for special medical applications.

**INTELLIGENT INFORMATION SYSTEMS**
**(Field of study – Informatics)**
Graduates of the study programme Intelligent Information Systems have acquired advanced knowledge of informatics and tools for support of decision-making. They are able to apply modern information technologies at various levels of management in software companies, industrial companies, banking, transport, healthcare, education, ecology and many other areas. In addition, they are employable as developers of application software, system analysts and programmers.

**APPLIED NETWORK ENGINEERING**
**(Field of study – Informatics)**
Graduates of the study programme Applied Network Engineering have acquired advanced knowledge in the field of information and communication systems, network technologies and infrastructure, design of communication network, system and network virtualization, integration and network security or creation of software of computer and network systems. Graduates will be able to work in domestic and international labour market at various levels of management in software and telecommunications companies, industrial enterprises, education system as well as in public and private sector, in banking, transport, healthcare, ecology, etc. Graduates are prepared to continue their study in the doctoral study programmes (the third degree of higher education).

**INFORMATION MANAGEMENT**
**(Field of study – Economics and Management)**
Graduates of the study programme Information Management have acquired theoretical knowledge, practical skills and competences of graduates integrating the area of management, marketing management, economy, economics and informatics with the area of business and design of management systems. Graduates are able to use the knowledge and skills of system approach in decision-making management processes in managing the organization and its parts. They can apply modern

information and communication technologies in solving difficult problems of management and in the use of information and communication systems. They are able to demonstrate their abilities in supervisory and management positions in production, business service-oriented organisations or in the public sector.

**COMPUTER ENGINEERING**
**(Field of study – Informatics)**
Graduates of the study programme Computer Engineering are employable as solvers of complex projects in research and development institutions focusing on the area of computer systems. They are also qualified to work in companies dealing with development and deployment of computers and digital systems in all areas of the economy. Graduates are also employable as developers of embedded systems based on microcomputers, FPGA circuits and other peripheral devices. Graduates of the study programme Computer Engineering are prepared to continue their study in the doctoral study programmes (the third degree of higher education).