



# UNIVERSITY-WIDE STUDY PROGRAMME DOCTORAL DEGREE STUDY

## UNIVERSITY OF ŽILINA University-wide study programme

### CONTACT

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#### All the questions concerning your studies you can direct to the Department of Doctoral Studies:

Tel.: 041/513 69 13

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

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

DOCTORAL DEGREE STUDY PROGRAMME	
FULL-TIME STUDY	PART-TIME STUDY
LENGTH OF STUDY 3 YEARS	LENGTH OF STUDY 4 YEARS
-	Forensic Engineering

#### Detailed information on study programme:

- syllabus,
- course information sheets

can be found at <http://vzdelavanie.uniza.sk/vzdelavanie/plany.php>.



## EXPECTED NUMBER OF ACCEPTED APPLICANTS TO THE FIRST YEAR

DOCTORAL DEGREE STUDY		
STUDY PROGRAMME / FIELD OF STUDY	PLANNED CAPACITY	
	FULL-TIME	PART-TIME
Forensic Engineering / Security Sciences	-	5
TOTAL	-	5

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



## TERMS AND CONDITIONS OF ADMISSION

### Basic condition of admission

The basic condition for admission to doctoral degree study (study programme of the third degree) is the full completion of the second 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 second 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

#### Selection procedure

- completion of the study programme of the second degree of university study in the same or related field of study (the list of related fields of study is available at <http://www.akredkom.sk> – sústava študijných odborov - System of fields of study),
- concerning applicants for the part-time form of study, their abilities and prerequisites resulting from the professional orientation of their practice will also be taken into account, successful passing the entrance examination. The examination consists of two parts. In a written part the applicant's language competence in a form of a written test will be tested (English, German, French or Russian – provided by the Institute of Lifelong Learning). An oral examination takes place in front of the Examining Board. The content of the oral examination is the presentation of the intention to solve the selected topic of the dissertation, including the reasons for its selection, verification of professional and scientific knowledge and the applicant's orientation in the field he/she is applies,
- the evaluation also includes an assessment of the results of the previous study and the prerequisites for the independent scientific work of the applicant.

### Rules of selection procedure

The admission procedure for the doctoral degree study for the university study programme is regulated by the Higher Education Act. 131/2002 Coll. and the UNIZA Directive no. 110, as amended by amendment no. 1 and 2 "The Study Regulations for the Third Degree of University Study at the University of Žilina in Žilina".

The proposal for admission (non-admission) of applicants for doctoral study is submitted to the Rector by the Admission Committee based on the order of applicants.

The applicant will process the presentation (up to 10 minutes) on the selected topic he/she has applied for, in accordance with the following outline:

1. Title page (topic name, field of study, name of supervisor, name of doctoral student).
2. Proposal of the problem to be solved and motivation to solve.
3. Current solutions in the field.
4. Possible use of methods, techniques and experiments to solve the problem.
5. Expected benefits.

### Evaluation of the results of selection procedure

The result of the selection procedure will be announced to applicants in writing in accordance with the Higher Education Act. 131/2002 Coll. on Higher Education within 30 days from the date of the entrance examination. In the absence of the selection procedure for health reasons, the applicant will be able to participate in the selection procedure only if the central office announces the next date of the selection procedure.



## 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.



## APPLICATION FORM

**Application forms are to be submitted for the study programme and a topic listed by the supervisor of the given study programme.** Applicants have to fill in the form Prihláška na vysokoškolské štúdium - 3. 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/>.

Even in case of electronic application form, it is required to print it, sign it, enclose other required documents including the proof of payment of the fee and send it to the address UZV (Institute of Forensic Research and Education UNIZA, Department of Science and Research, ul. 1. mája 32, 010 26 Žilina, within the stipulated deadlines.

Incomplete application form or application form sent after the deadline will not be accepted. In case of absence or failure of entrance examination, the Institute of Forensic Research and Education UNIZA does not refund the admission fee.

### Enclosures for the doctoral degree study programme (to be sent with the application form):

- Curriculum Vitae,
- certified copies of the documents of the highest level of education completed,
- in case of education acquired abroad, the decision on the recognition of a document in the Slovak Republic,
- a list of published professional and scientific papers (in case the applicant has published so far),
- other evidence indicating any professional activities,
- the original proof of payment of the admission fee,
- the intention of solving the selected dissertation topic (topic title, applicant, supervisor, justification of the topic selection, methods, techniques or experiments of the solution, expected results and benefits of the solution in the range of 5 - 8 pages).

### Admission fee:

Send **20 €** to: Žilinská univerzita v Žiline, Univerzitná 1, 010 26 Žilina  
 Bank: Štátna pokladnica  
 IBAN: SK40 8180 0000 0070 0008 0700  
 const. symbol: 0308  
 variable symbol: 19032 – doktorandské 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 UNIZA with the application form.

**Tuition fees** - in accordance with the Higher Education Act, information about the amount of tuition for the respective academic year will be announced on the website of the University of Žilina in Žilina.

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: **SK40 8180 0000 0070 0008 0700**.



## USEFUL DATES

Deadline for submitting the application form	Entrance exams
until June, 1, 2020	June, 26, 2020

The date of admission of admitted doctoral students to doctoral study is September 1 in the respective academic year.



## TUITION FEES

- part-time form of study (4 years)

The standard tuition fee for the part-time study programme is € 1.000 for an academic year in accordance with the Higher Education Act 131/2002 Coll. and the UNIZA Directive No. 116, Annex 1, Article 2.



## GRADUATE PROSPECTS

### DOCTORAL DEGREE STUDY PROGRAMME

#### FORENSIC ENGINEERING

##### (Field of study – Security Sciences)

Graduate of the doctoral study in the study programme Forensic Engineering is a highly qualified expert in the field of transport and construction with a focus on problem solving in the relevant field through modern computational methods, experimental analysis and diagnostics. He/she will acquire a broad theoretical basis in the field of modelling based on modern numerical computational methods and application of current software engineering tools. He/she masters new procedures, methods and tools useful for assessment of complex mechanical systems and building structures, as well as their diagnostics and analysis, and is able to use them effectively in demanding expertise.

The graduate profile is based on the requirements of a technical forensic expert in the field of road transport and construction. He/she is focused on mastering independent solutions of research and experimental tasks in the field of technical diagnostics, analysis of traffic accidents and evaluation of road vehicles or constructions (according to the relevant field).

Graduates will find employment in working groups of forensic experts and research laboratories developing new methodologies for analysing traffic accidents, diagnostic procedures for detecting the nature and extent of vehicle damage for the purpose of traffic accident analysis or determining repair costs as well as solving research tasks in the field of vehicle evaluation for expert or insurance purposes (focus on road transport). In the construction area, it is primarily an analogically derived area of building failures and the methodology of their evaluation.

##### Theoretical knowledge

Graduate of the third degree of university study will acquire theoretical erudition in a wider range of related fields of study, appropriately selected with regard to his/her personal orientation in scientific research. Theoretical knowledge is acquired through subjects such as: Applied Mathematics, Applied Mechanics, Building Physics, Forensic Engineering, Selected Sections from Legislation and other 19 subjects of specialization, from which the doctoral student chooses 2 subjects.

##### Additional knowledge, skills and abilities

During the study, the student will take an exam in one foreign language. He/she carries out pedagogical activities within maximum of 4 hours a week. During the study he/she acquires the principles, approaches and methodology of the scientific work and works independently according to the instructions of his / her supervisor. He/she will acquire the ability to identify problems and formulate the main objectives and procedures of research to be able to draw conclusions for the development of theoretical knowledge and for its practical application.