



# UNIVERSITY OF ŽILINA IN ŽILINA

## University-wide study programme

### INSTITUTE OF FORENSIC RESEARCH AND EDUCATION DOCTORAL DEGREE STUDY

#### 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

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## ACCREDITED STUDY PROGRAMME OFFERED FOR THE ACADEMIC YEAR 2021/2022

DOCTORAL DEGREE STUDY PROGRAMME	
FULL-TIME STUDY	PART-TIME STUDY *
LENGTH OF STUDY 3 YEARS	LENGTH OF STUDY 4 YEARS
-	Forensic Engineering
<i>* standard tuition fee for part-time study programme is € 1.000 for an academic year</i>	

##### 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
<b>TOTAL</b>	-	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 a 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 completion of the entrance exam. The exam consists of two parts. In a written part the applicant's language competence in a form of a written test will be verified (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 thesis, including the reasons for its selection, verification of professional and scientific knowledge and the applicant's orientation in the field he/she is applying for,
- 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 to the doctoral degree study to the university-wide 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 "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 degree study is submitted to the Rector by the Admission Committee based on the order of applicants.

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

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 the admission procedure

The result of the admission 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 exam. In case of non-participation in the admission procedure for health reasons, the applicant will be able to participate in the admission procedure only if the central office announces another date of the admission 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 on the 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.

N Incomplete application form or application form sent after the deadline will not be accepted.

In case of non-participation in the admission procedure or a failure in the admission procedure, the Institute of Forensic Research and Education UNIZA does not refund the admission procedure 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 completed 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 topic of the dissertation thesis (topic name, 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: SK69 8180 0000 0070 0037 5349

const. symbol: 0308

variable symbol: 19033 – 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 fee for the relevant academic year will be published on the website of the University of Žilina in Žilina within the stipulated deadlines.

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: **SK69 8180 0000 0070 0037 5349**.



## USEFUL DATES

Deadline for submitting the application form	Entrance exams
until June, 7, 2021	June, 29, 2021

The date of entry 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 9205 Security Sciences)

The 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 the application of current software engineering tools.

He/she masters new procedures, methods and tools usable for the 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 profile of the graduate is based on the requirements for a technical forensic expert in the field of road transport and construction. He/she is focused on mastering individual 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 field of construction, it is primarily an analogically derived area of building failures and the methodology of their evaluation.

#### Theoretical knowledge

The 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 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 fundamental objectives and procedures of research to be able to draw conclusions for the development of theoretical knowledge and for its practical application.