



UNIVERSITY OF ŽILINA

Whole university 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:

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ACCREDITED STUDY PROGRAMME OFFERED FOR THE ACADEMIC YEAR 2019/2020

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 / Forensic Engineering	-	5
TOTAL NUMBER	-	5



TERMS AND CONDITIONS OF ADMISSION

1. **The fundamental prerequisite** of being accepted to the doctoral study (the third degree study programme) is the full completion of the second degree of the university study (Higher Education Act, n. 131/2002 Coll.).
2. **Language competence** – written and oral command of Slovak (foreign students – written and oral command of German or English).
3. **Health certificates** – UNIZA does not require any health certificates and accepts all the applications without health certificates.



FORMS OF ADMISSION

Selection Procedure

- Completion of the second degree study programme in the same or related field of study (a list of related fields of study is available at <http://www.akredkom.sk> – sústava študijných odborov - System of fields of study).
- Concerning the applicants for the part-time form of study, their abilities and assumptions 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 candidate's language competence in a form of a written test is being 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 dissertation, including the reasons for its selection, verification of professional and scientific knowledge and orientation of the candidate in the field he/she is applying for.
- The evaluation also includes the 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”.

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

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

1. Title page (title of the topic, field of study, name of the supervisor, name of a doctoral candidate).
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 the applicants in writing in accordance with the Higher Education Act. 131/2002 Coll. within 30 days from the date of the entrance examination. In the absence of the selection procedure for health reasons, the candidate will be able to participate in the selection procedure only if the central office lists another date for the selection procedure.



ADMISSION OF FOREIGN STUDENTS

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



HOW TO APPLY

Application forms are to be submitted for a 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 UZVV (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 sent after the deadline will not be accepted.

In the absence or failure of entrance exams, 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 the case of education acquired abroad, the decision on 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 proof of payment of the admission fee,
- objective of the solution of the selected dissertation topic (topic title, candidate, supervisor, justification of the choice of the topic, 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: 13233

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 Institute of Forensic Research and Education 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.

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, 5, 2019	June, 27, 2019

The date of admission of accepted doctoral students to doctoral studies 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 STUDY PROGRAMME

FORENSIC ENGINEERING

(Field of study 5.2.58 Forensic Engineering)

Graduate of the doctoral study in the field of Forensic Engineering is a highly qualified expert in the field of transport, construction, mechanical engineering and other fields with a focus on problem solving in the relevant field through modern computational methods, experimental analysis and diagnostics. He/she has acquired a broad theoretical basis in modelling based on modern numerical computational methods and application of current software engineering tools. He/she masters new procedures, methods and tools that can be used to evaluate 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 oriented to manage individual solutions of research and experimental tasks in the field of technical diagnostics, analysis of traffic accidents and evaluation of road vehicles or buildings (depending on the relevant field). Graduates will find employment in working groups of forensic experts and research laboratories developing new methodology for analysing of 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 field, it is primarily analogically derived field of faults in buildings and the methodology of their evaluation.

Theoretical knowledge

Graduate of the doctoral study has acquired a theoretical knowledge in a wider range of related fields of study, appropriately chosen taking into account 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 two 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 independently works according to the instructions of his / her supervisor. He/she has acquired 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.