



UNIVERSITY STUDY PROGRAMME OF THE UNIVERSITY OF ŽILINA

INSTITUTE OF FORENSIC RESEARCH AND EDUCATION DOCTORAL DEGREE STUDY

Supervising Department:

Institute of Forensic Research and Education
Ústav znaleckého výskumu a vzdelávania (ÚZV)
Ul. 1. mája 32, 010 26 Žilina
Tel. Nr.: 041/513 6913
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ACCREDITED STUDY PROGRAMME FOR THE ACADEMIC YEAR 2017/2018

DOCTORAL STUDY:

Forensic Engineering (part-time form of study) in the field of study:
Forensic Engineering (available in the Slovak language).

Form and Length of Study:

Doctoral degree – part-time – 4 years.

Anticipated number of applicants admitted to the first year of study:

Part-time form of the doctoral degree study: 7

Detailed information on particular study programmes (study plans, course information sheets) **can be found at:**

<http://vzdelavanie.uniza.sk/vzdelavanie/plany.php>

<http://uzvv.uniza.sk>



TERMS AND FORMS OF ADMISSION FOR THE DOCTORAL DEGREE STUDY

The fundamental prerequisite of being accepted to the postgraduate study program (third degree) is full completion of the second degree of the university study according to § 56, Subsection 3 (Higher Education Act, n. 131/2002 Coll.).

Health certificate – no health certificates are required and all the applications for the doctoral degree of the university studies are being accepted without any health certificates.

Further criteria to be met for admission for the doctoral degree study at the Institute of Forensic Research and Education UNIZA for the academic year 2017/2018

- 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](http://www.akredkom.sk) – System of fields of study)
- For applicants for the part-time form of study their abilities and assumptions arising from the practice of field will be taken into account as well.
- Passing of the entrance examination. The examination consists of two parts. In the written part the candidate's language competence in a form of a written test is being tested (English, German, French or Russian – supplied by the Institute of Continuing Education). The oral examination takes place in front of the Examining Board. The content of the oral examination is to present the intention of solution of the selected dissertation topic, including the reasons for the selection, verification of technical and scientific knowledge and the orientation of the candidate in the field he/she is applying for.
- The evaluation shall also include an assessment of the results of previous studies and prerequisites for independent scientific work of the applicant as well.

Admission requirements:

The admission procedure for the doctoral degree studies 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 studies at the University of Žilina”.

The Admission Committee issues a proposal of the successful (and not successful) candidates based on the order of candidates that is submitted to the Rector of the University of Žilina.

The candidate processes his/her presentation of the selected topic he/she has applied for. The presentation shall last up to 10 minutes and the outline of the presentation is as follows:

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 for solution.
3. The so far existing solutions in the field.
4. Possible use of methods, techniques and experiments in order to solve the problem.
5. Anticipated benefits.

The result of the admission 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 admission procedure for health reasons the candidate will be able to participate in the admission procedure only if the central body lists another term of the admission 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.

Foreign students pay the tuition fee as stated in § 92 Subsection 8 (Higher Education Act). The tuition fee is specified by the UNIZA directive for the respective academic year, which can be found on the university website.

Students from abroad who study in the Slovak language do not have to pay the tuition fee. The applicants from the Czech Republic who wish to apply and study in Žilina can use the application form available in the Czech Republic. The applicants who do not actively speak Slovak or Czech are required to attend the language training. (It is possible to attend the Slovak for Foreigners courses at UNIZA).



HOW TO APPLY

The application form - Prihláška na vysokoškolské štúdium - 3. stupeň - can be submitted in person (Room MA007 – person responsible is Ms. Ľudmila Macurová, PhD.) or by post. Applicants 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 an 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 of the Institute of Forensic Research and Education UNIZA, Ul. 1. mája 32, 010 26 Žilina within the stipulated deadlines.

Incomplete study application or application sent after the deadline will not be accepted. In the absence of or failure of entrance exams, the Institute does not refund the admission fee. If an applicant wants to take part in entrance exams at more faculties of UNIZA, the application forms have to be sent separately to each faculty and the respective admission procedure fees paid separately to each faculty.

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

- Curriculum Vitae,
- certified copies of the highest level of education,
- in the case of the education acquired in abroad; the proof by the Ministry of Education, Science, Research and Sport of the Slovak Republic on the recognition of the university studies of the second degree completed outside the Slovak Republic,
- a list of the so far published technical and scientific papers (in case the candidate has published),
- documents proving other professional activities,
- the original proof of payment of the admission fee,
- intention of the solution of the chosen dissertation topic (topic, 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:

20 € to be sent to:

Žilinská univerzita v Žiline, Ústav znaleckého výskumu a vzdelávania,
Ul. 1. mája 32, 010 26 Žilina
Bank: Štátna pokladnica
IBAN: SK69 8180 0000 0070 0037 5349
variable symbol: 13233
const. symbol: 0308

Tuition fee - in accordance with the Higher Education Act 131/2002 Coll. and the UNIZA Directive Nr. 116, Annex 1, Art. 2 the standard tuition fee (tuition) is set at 1.000 € per academic year.

Tuition fee is to be sent to:

Žilinská univerzita v Žiline, Ústav znaleckého výskumu a vzdelávania,
Ul. 1. mája 32, 010 26 Žilina
Bank: Štátna pokladnica
IBAN: SK69 8180 0000 0070 0037 5349
variable symbol: 13293
const. symbol: 0308

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 along with the 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: **SPSRKBAXXX**, IBAN: **SK69 8180 0000 0070 0037 5349**. With payment the variable symbol and the name of the payer must be specified. The proof of payment must be sent in with the application form.



USEFUL DATES

Deadline for application form submission	Entrance examination
until May, 31, 2017	June, 23, 2017



GRADUATE PROSPECTS

DOCTORAL STUDY PROGRAMMES

The graduate of the doctoral study in the field of Forensic Engineering is a highly qualified expert in the field of transport and construction with focus on problem solving in the field utilising modern calculation methods, experimental analysis and diagnostics. He/she receives broad theoretical basis for modelling based on modern numerical calculation methods and application of existing of current software engineering resources. He/she masters new procedures, methods and tools useful for the assessment of complex mechanical systems and building structures as well as their diagnosis and analysis and is able to utilise them effectively in demanding expertise.

The graduate's profile is based on the requirements placed on technical forensic experts in the field of road transport and construction. He/she is oriented to manage separate 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 the working groups of forensic experts and research laboratories developing new methodology for analysing of accidents, diagnostic procedures of investigating the nature and extent of the damage to vehicles for the purpose of analysing of accidents or determining the cost of repair and solving research projects in the field of evaluation of vehicles for expert or insurance purposes (focus on road transport). In the construction field it is mainly analogically derived field of failures of buildings and their valuation methodology.

Theoretical knowledge

The graduate of the doctoral study gains theoretical expertise of a wider range of related disciplines, reasonably selected, taking into account his/her personal orientation in scientific research. Theoretical knowledge is obtained through subjects such as: Applied Mathematics, Applied Mechanics, Building Physics, Forensic Engineering, Selected sections of legislation and other 19 subjects of specialization, from which the doctoral student chooses two subjects.

Additional knowledge, skills and abilities

The student passes an exam in one of the world 's languages during the studies. He/she undertakes the teaching practice within maximum 4 hours a week. During the study he/she acquires principles, approaches and methodologies of scientific work and being guided by his/her supervisor he/she devotes to independent research work. He/she gains the ability to identify problems and formulate key objectives and research methods to be able to draw conclusions for the development of theoretical knowledge and for its practical application.