UNIVERSITY OF ŽILINA
Faculty of Civil Engineering

CONTACT

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Faculty of Civil Engineering
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https://www.facebook.com/StavebnaFakultaZUZ

All the questions concerning your studies you can direct to the Department of Science and Research and International Relations and Development:
Tel.: 041/513 55 49

Coordinator for work with students with special needs:
doc. Ing. Mária Kúdelčíková, PhD., Vice-dean for educational and pedagogical activity at the Faculty of Civil Engineering
Tel.: 041/513 62 73
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ACCREDITED STUDY PROGRAMMES OFFERED FOR THE ACADEMIC YEAR 2020/2021

| DOCTORAL DEGREE STUDY PROGRAMMES | FULL-TIME | PART-TIME *
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>STANDArd LENGTH OF STUDY 3 YEARS</td>
<td>Theory and Construction of Building Structures</td>
<td>Theory and Construction of Building Structures</td>
</tr>
<tr>
<td>Applied Mechanics</td>
<td>Applied Mechanics</td>
<td></td>
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<tr>
<td>Construction Management</td>
<td>Construction Management</td>
<td></td>
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</tbody>
</table>

* standard tuition fee for part-time study programmes is € 1.000 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.
EXPECTED NUMBER OF ACCEPTED APPLICANTS TO THE FIRST YEAR

<table>
<thead>
<tr>
<th>STUDY PROGRAMME / FIELD OF STUDY</th>
<th>PLANNED CAPACITY</th>
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<tbody>
<tr>
<td></td>
<td>FULL-TIME</td>
</tr>
<tr>
<td>Theory and Construction of Building Structures / Civil Engineering</td>
<td>2</td>
</tr>
<tr>
<td>Theory and Construction of Engineering Structures / Civil Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Applied Mechanics / Civil Engineering</td>
<td>1</td>
</tr>
<tr>
<td>Construction Management / Civil Engineering</td>
<td>2</td>
</tr>
<tr>
<td>TOTAL</td>
<td>8</td>
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</tbody>
</table>

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

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
Part of the admission procedure is an entrance examination which consists of:
- written examination in the form of a test in one foreign world language (foreign language is other language than the applicant’s mother tongue),
- oral examination in front of the Committee of the relevant field of study. The purpose of the examination is to verify the applicant’s knowledge, his/her professional and scientific orientation in the field to which he/she is applies, including the reasons for the choice of the topic of dissertation and methods foreseen to be used when solving the topic as well as the anticipated outcomes of the dissertation.

The admission procedure for doctoral study at the Faculty of Civil Engineering UNIZA is also regulated by 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.

A necessary condition is the submission of an application form for university study (doctoral degree - the third degree) within the stipulated deadlines under the „Notice on Selection Procedure for the Doctoral Study at the faculty of Civil Engineering UNIZA“.

The course of the entrance examination is regulated by 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 Admission Committee shall issue a recommendation on the result of the admission procedure and a proposal of the successful applicants that shall be submitted to the Dean of the Faculty of Civil Engineering UNIZA.

The Dean of the Faculty of Civil Engineering UNIZA, after discussing the proposal with the committee and the guarantors of doctoral degree study programmes, decides in the admission of applicant within 30 days from the date of the entrance examination.

The Admission Committee evaluates the result of the entrance examinations at a non-public session, concluding „passed“ or „failed“. If more candidates have applied for one topic of the dissertation, the Committee will determine their ranking on the basis of the result of the entrance examination. When ranking, the Committee takes into account the scope and quality of the previous professional publications of each applicant and the results of his/her other professional activities (e.g. the results of students' research, professional or artistic works or competitions, his/her professional experience, etc.). At the same time the Committee will determine the order of all successful applicants.

Medical certificate - the faculty does not require a medical certificate of medical fitness for higher education and accepts applications without a medical certificate for all levels of higher education.
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 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. Applicants who do not actively speak Slovak or Czech are required to attend the language training (it is possible to attend the Slovak language courses at UNIZA). 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.

APPLICATION FORM

Application forms are to be submitted for individual study programmes and for a topic listed by a supervisor of the given study programme.

In case the applicant is interested in more study programmes, it is necessary to apply for each one individually, including payment of the respective admission procedure fees.

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/. All required attachments can be uploaded electronically as scanned documents.

Applications submitted after the deadline and electronic applications without required attachments will not be accepted.

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

If the 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 application forms):

- Curriculum Vitae,
- certified copies of the highest level of education completed (the Diploma on completion of university education of the 2nd degree, the Certificate on the state examination, the Diploma Supplement). Documents issued by the Faculty of Civil Engineering UNIZA do not need to be verified.
- a list of published professional and scientific papers,
- other evidence indicating any professional activities,
- the original proof of payment of the admission fee,
- the document from the Ministry of Education, Science, Research and Sport of the Slovak Republic on the recognition of the university studies of the 2nd degree completed outside the Slovak Republic (applies to foreign and Slovak applicants who have graduated from universities of the 2nd degree abroad, including the Czech Republic),
- signed application form (in case of electronic submission).

Admission fee:

Send 20 € to: Žilinská univerzita v Žiline, Univerzitná 1, 010 26 Žilina
Bank: Štátna pokladnica
IBAN: SK59 8180 0000 0070 0026 9896
const. symbol: 0308
variable symbol: 10432 – 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 the Faculty with the application form (or upload electronically)

Tuition fees – are determined according to Act no. 131/2002 Coll. on Higher Education and on the Change and Supplement to Some Acts. Information about the amount of tuition for the respective academic year will be announced within stipulated deadlines on the website of the University of Žilina on 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: **SPRSKBAXXX**, IBAN: **SK59 8180 0000 0070 0026 9896**.

### USEFUL DATES

<table>
<thead>
<tr>
<th>Deadline for submitting the application form</th>
<th>Entrance exams</th>
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<tr>
<td>until May, 29, 2020</td>
<td>June, 25, 2020</td>
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</tbody>
</table>

### ACCOMMODATION

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

Full time students of the doctoral degree study programmes are granted a scholarship pursuant to Higher Education Act, n. 131/2002 Coll. (On universities and on amendments to certain laws), §54 Subsection 18.

### TUITION FEES

- full-time form of study (3 years)
  
  There is no fee for the standard length of study. In case of its excess, the amount of the tuition fee specified by the UNIZA Directive, the University of Žilina (UNIZA) No. 116, Annex 1, Article 2.

- part-time form of study (4 years)
  
  The amount of tuition fee for the part-time study programmes 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 PROGRAMMES

**THEORY AND CONSTRUCTION OF BUILDING STRUCTURES**

*(Field of study – Civil Engineering)*

Graduates of the doctoral study are highly qualified experts in the study programme Theory and Construction of Building Structures with the main focus on the theory of designing architectural structures of buildings and their components with theoretically justified creation of progressive building envelopes and their details in accordance with world development trends. Graduates of the study programme, based on acquired theoretical engineering knowledge understand principles and master methods in the field and are able to clearly formulate the scientific problem, subject and objective of research and development in the field of technology of architecture. They master scientific methods of research and development of architectural structures of buildings, technology and climate of built-architectural environment of buildings and their production and technological processes in terms of their economic efficiency. They are able to clearly formulate the contribution of research outputs to the development of science in the field of study and to the construction and architectural practice and are capable...
of independent scientific work. Graduates of the study programme have acquired advanced knowledge of mathematics and building physics. They have deepened their already acquired knowledge in the field of the theory of preparation, design, construction and reconstruction of civil engineering buildings and structures. They have expanded their knowledge in the field of the diagnostics and pathology of buildings, evaluation of energy performance of buildings, strategy of renewal of buildings as well as intelligent building technology and environmental science. The level of knowledge ensures their ability to solve problems of management of buildings on a scientific basis. They can scientifically analyse problems and bring their own solutions in the area of their qualification. Graduates of doctoral study are particularly useful in research institutions, science parks, research centres as an independent or senior researchers, in universities in the development of science technology in architecture, or in corporate research and development. They are also employable in top management positions, in project teams of different character. They are qualified to apply in investor organisations, construction companies and in consulting and advisory companies.

THEORY AND CONSTRUCTION OF ENGINEERING STRUCTURES
(Field of study – Civil Engineering)

Graduates are highly qualified experts in the study programme Theory and Construction of Civil Engineering Structures with a major focus on the theory of design and analysis of engineering structures, transport and civil engineering structures and their components. They are able to creatively apply the principles of scientific research, propose new approaches and improve the existing methods of the theory of civil engineering structures. They master progressive tools of design theory and technology of civil engineering construction as well as methodology of their diagnostics and rehabilitation. Their theoretical knowledge acquired in the course of the study can be applied in the experimental analysis of the behaviour of civil engineering structures and in their combination with model solutions and results of numerical simulations. Graduates of the doctoral study will find employment especially in research institutions, science parks, research centres as an independent or senior researchers, in universities in the development of science of engineering constructions and transport constructions or in corporate research and development. They are also employable in top managerial positions and in project teams of different character. They can also find application in investor organisations, construction companies, consulting and advisory companies. The content and structure of the study programme is linked to the study programmes of master´s (engineering) degree study at the Faculty of Civil Engineering UNIZA in the field of study of Civil Engineering Structures. These correspond to the structure and scope of the subjects required by the Slovak Chamber of Civil Engineers to acquire a professional qualification for performing the position of an authorized civil engineer. By completing the study programme and earning the third degree of higher education, graduates obtained a sufficient basis on which they can apply for the relevant authorization after completing appropriate practice.

APPLIED MECHANICS
(Field of study – Mechanical Engineering)

Graduates are highly qualified experts in the study programme Applied Structural Mechanics with a focus on the creation of calculation models of building structures and their solutions using modern calculation methods, as well as experimental analysis and diagnostics of these structures. Graduates have acquired a broad theoretical basis in the field of modelling of static, dynamic, linear and nonlinear problems of the theory of structures based on modern numerical calculation methods and application of current software engineering tools. They master new procedures, methods and tools applied in the design and construction of complex mechanical systems and building structures as well as their diagnostics and experimental analysis. They are employable in research and project organisations. They are ready to solve specific and particularly technically challenging engineering works. They are also employable in scientific and research institutions and universities.

CONSTRUCTION MANAGEMENT
(Field of study – Civil Engineering)

Graduates are highly qualified experts in the field of civil engineering with a major focus on the theory of construction technology and management. They master scientific methods of research and can creatively apply existing methods and theories in the field. They are able to apply the theoretical knowledge gained by studying the methodology of scientific work in the preparation and implementation of scientific experiment. They are able to carry out research activities with regard to ethical and social aspects of scientific activities and their contribution to practice. They master progressive methods of mathematical
and computer simulations on the basis of which they are able to optimise the system of construction technology design. Graduates are able to use the knowledge of diagnostics and probability theory to design optimisation of maintenance, repair and reconstruction of buildings. They are able to optimise technological processes in relation to the life cycle of buildings, their lifetime and environmental aspects. Graduates are able to apply their knowledge in order to increase the safety of operation traffic structures. They are employable in investor organisations of state administration, regional authorities and municipalities, construction companies, consulting and advisory companies, research and construction management structures. They are also employable in the field of investment preparation, preparation and construction of building constructions, economic analysis and studies and asset management. Graduates can also be employed in the preparation and management of investment projects in building industry. They are competent to work in scientific and research institutions and universities. By completing the study programme and earning the third degree of higher education, graduates obtained a sufficient basis on which they can apply for the relevant authorization after completing appropriate practice.