



FACULTY OF CIVIL ENGINEERING

MASTER'S DEGREE STUDY

UNIVERSITY OF ŽILINA

Faculty of Civil Engineering

CONTACT

University of Žilina

Faculty of Civil Engineering

Univerzitná 8215/1, 010 26 Žilina

Tel.: 041/513 55 01

e-mail: studref@fstav.uniza.sk

<http://svf.uniza.sk>

<https://www.facebook.com/StavebnaFakultaZUZ>

All the questions concerning your studies will be attended at the Department of Studies:

Tel.: 041/513 55 12

Coordinator for work with students with special needs:

doc. Ing. Mária Kúdelčíková, PhD.

Vice-dean of the Faculty of Civil Engineering for study and pedagogical activities

Tel.: 041/513 62 73

e-mail: maria.kudelicikova@fstav.uniza.sk

ACCREDITED STUDY PROGRAMMES OFFERED FOR THE ACADEMIC YEAR 2021/2022

MASTER'S DEGREE STUDY PROGRAMMES	
FULL-TIME	PART-TIME *
STANDARD LENGTH OF STUDY 2 YEARS	STANDARD LENGTH OF STUDY 3 YEARS
Bearing Structures of Buildings	-
Building Engineering	-
Roadway Engineering	Roadway Engineering
Civil Engineering Structures **	Civil Engineering Structures
Civil Engineering Structures	-
Objects of Transportation Structures	Objects of Transportation Structures
Transport Infrastructure Planning	Transport Infrastructure Planning
Railway Engineering	Railway Engineering
Construction Management	Construction Management
Construction Management and Information Systems	-

* standard tuition fee for part-time study programmes is € 900 for an academic year
** study programme Civil Engineering Structures is accredited also in the English language (Civil Engineering Structures)

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

MASTERS'S DEGREE STUDY		
STUDY PROGRAMME / FIELD OF STUDY	PLANNED CAPACITY	
	FULL-TIME	PART-TIME
Bearing Structures of Buildings / Civil Engineering	20	-
Building Engineering / Civil Engineering	20	-
Roadway Engineering / Civil Engineering	does not open	does not open
Civil Engineering Structures / Civil Engineering	60	20
Civil Engineering Structures / Civil Engineering	10	-
Objects of Transportation Structures / Civil Engineering	does not open	does not open
Transport Infrastructure Planning / Civil Engineering	20	10
Railway Engineering / Civil Engineering	does not open	does not open
Construction Management / Civil Engineering	does not open	10
Construction Management and Information Systems / Civil Engineering	30	-
TOTAL	160	40

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 field of study.



TERMS AND CONDITIONS OF ADMISSION

Basic condition of admission

The basic condition for admission to master's (engineering) degree study (study programme of the second degree) is the full completion of the first degree of university study (Higher Education Act, no. 131/2002 Coll.) in the same field of study whereas the sum of the number of credits earned for the previous university study by which the university education was obtained and the number of credits necessary for the proper completion of the second degree study programme to which the applicant applies must be at least 300 credits. 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 first 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

1. No Entrance Exams

To study in master's (engineering) degree study programmes, the Faculty of Civil Engineering UNIZA will admit the applicants without entrance exams according to the study results they achieved in the bachelor study programme. The number of applicants admitted without entrance examination will be determined in a way so that it does not exceed the planned capacity of admitted students to the first year of a respective study programme.

2. Admission Procedure - Entrance Exams

The admission procedure is carried out in a form of a selection procedure in order to ensure that the accepted applicants dispose of the necessary skills and abilities.

If the applicant has submitted all the required enclosures to the application form, the admission procedure takes place without the personal participation of applicants.

3. Rules of Selection Procedure

A graduate of a bachelor's degree study in the same field of study may apply for admission to study in master's (engineering) degree study programmes. In case of applicants who have completed a bachelor's degree study in another field of study, the result of the admission procedure is decided by the Admission Committee individually according to the completed subjects of the bachelor's degree study.

The Faculty of Civil Engineering UNIZA does not accept those students who have been excluded from the study at the Faculty of Civil Engineering UNIZA under disciplinary proceedings under Art. 2 of the Disciplinary Regulations for students of the University of Žilina in Žilina.

Study in the master's (engineering) degree study programme Civil Engineering Structures in the full-time form of study will be opened only if there are at least 5 applicants who meet the conditions of the admission procedure.

Study in the master's (engineering) degree study programmes in the part-time form of study will be opened only if there are at least 5 applicants who meet the conditions of the admission procedure in the respective study programmes.

The Dean of the Faculty of Civil Engineering UNIZA is authorised to make the final decision on the result of the admission procedure based on the proposal of the admission committee of the Faculty of Civil Engineering UNIZA. It is the responsibility of the Dean of the Faculty of Civil Engineering UNIZA to complement the number of admitted applicants for study programmes in the first year of the master's (engineering) study up to the expected number of applicants who:

- met the conditions for admission to another master's (engineering) degree study programme, but were not admitted due to the full capacity of the initially chosen study programme,
- met the conditions for admission to another master's (engineering) degree study programme, but the programme was not opened due to the fact that there were less than 5 applicants who met the conditions of the admission procedure.

Such applicants for study must also meet the conditions of the admission procedure for the complemented study programme. In selected study programmes of the master's (engineering) degree study, in the case of vacant places, there will be the second round of the admission procedure organised as well. The list of master's (engineering) degree study programmes for the second round of the admission procedure will be published by July, 12, 2021.

The terms, conditions and the form of admission procedure for master's (engineering) degree study are the same as in the first round of the admission procedure.

4. Language competence

For study programmes that are carried out by the faculty in the Slovak language, written and oral command of Slovak or Czech language is required at least at level B1. Knowledge of at least one foreign language (English, German, French, Spanish, Russian) is welcome. For study programmes that are carried out by the faculty in the English language, written and oral command of English is required at least at level B1.



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 for the respective academic year, which can be found on the university website. 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

To study master's (engineering) degree study programme at the Faculty of Civil Engineering UNIZA, one application form is sufficient, indicating the order of study programmes according to the interest of the applicant. If the applicant is interested in both forms of study (full-time and part-time forms), it is necessary to submit two application forms and to pay two admission procedure fees.

Applicants have to fill in the form Prihláška na vysokoškolské štúdium - 2. 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/](https://prihlaskavs.sk/sk/). All required attachments can be uploaded electronically as scanned documents. In case of incomplete application form, applicants will be requested to complete it. Applications submitted after the deadline and electronic applications without required attachments will not be accepted. In case of non-participation in the admission procedure or a failure in the admission procedure, the Faculty does not refund the admission procedure fee. If the applicant wants to take part in entrance exams at several faculties of UNIZA, the application forms must be submitted separately to each faculty and the respective admission procedure fees paid separately to each faculty.

Enclosures for the master´s (engineering) degree programmes (to be sent with application forms):

- Curriculum Vitae,
- proof of payment of the admission fee,
- certified copy of university diploma (if issued by the Faculty of Civil Engineering UNIZA it is not necessary to verify),
- information on the results of the previous study,
- signed application form (in case of electronic submission).

Upon completion of the state final examination, applicants will send (or upload electronically) a certified copy of the **university diploma, bachelor´s degree certificate and diploma supplement** by deadline that will be announced to each applicant in writing.

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 – inžinierske 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 – 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: **SK59 8180 0000 0070 0026 9896**.



USEFUL DATES

Open Day	ONLINE* Open Day	Deadline for submitting the application form	Entrance exams
February, 11, 2021	October, 29, 2020 from 10 a.m.	1 st round: until March, 31, 2021 2 nd round: from June 21, 2021 to August, 13, 2021	1 st round: June, 11, 2021 2 nd round: August, 24, 2021



ACCOMMODATION

The accommodation facilities of the University of Žilina in Žilina provide accommodation according to the accommodation capacity, taking into account the distance between the student´s permanent residence and the seat of the University.

Accommodation fee: € 54 - € 61 / month.



BOARD

Students can use the services of the catering facility of the University of Žilina in Žilina. **Price for food: € 1.10 – € 3.20.**



SCHOLARSHIPS

Students of all study programmes can obtain motivational scholarships (for excellent results or exceptional achievements) in accordance with the stated criteria. **Students of selected study programmes can obtain motivational departmental scholarships in accordance with the stated criteria.** In case of an unfavourable social situation, the student can apply for a social scholarship during the study.



FOLLOW-UP STUDIES AFTER COMPLETION OF MASTER'S (ENGINEER) DEGREE STUDIES

There is a possibility of extended studies within follow-up doctoral degree programmes at the Faculty of Civil Engineering UNIZA in the academic year 2021/2022 in the following study programmes - Theory and Construction of Building Structures, Theory and Construction of Engineering Structures, Applied Mechanics, Construction Management (respective information about particular study programmes can be found on the university website). After completing the master's (engineering) degree, it is necessary to verify the current state of the offer of study programmes in a particular academic year.



GRADUATE PROSPECTS

MASTER'S (ENGINEER) DEGREE STUDY PROGRAMMES

BEARING STRUCTURES OF BUILDINGS

(Field of study 3659 Civil Engineering)

The profile of the graduate is designed to cover all legislative requirements for carrying out activities in the field of design and construction of buildings with a focus on their bearing structures. The study programme is by its content focused mainly on the preparation of the graduate in the field of theoretical analysis of bearing structures of buildings and some engineering structures. It also includes preparation for research activities with an appropriate degree of creativity and independence that the graduate can deepen and expand in his/her further studies. After successful completion of the study programme, the graduate is prepared for further doctoral degree study programmes in the field of study Building Construction or he/she is able to directly enter into the labour market. He/she is employable as an independent specialist in the field of statics, a member of a creative team, in construction supply organisations, in the educational system as well as in research. He/she can also do business on the basis of a trade license and after years of the prescribed practice and successful completion of examinations, he/she can become an authorized civil engineer. By completing the study programme and acquiring a university education of the second degree, the graduate will acquire a qualification for the performance of a regulated profession. After completing appropriate practice and examinations in front of the Examining Board of the Slovak Chamber of Civil Engineers (SCCE), the graduate may obtain a license to perform the profession of „chartered civil engineer“. The content and structure of the study programme corresponds to the structure and scope of subjects required by SCCE to perform the profession of chartered civil engineer in category I3 - engineer for statics of structures, namely for buildings, civil engineering structures and geotechnics.

BUILDING ENGINEERING

(Field of study 3659 Civil Engineering)

Graduate acquired a qualification for the performance of a regulated profession. After completing the appropriate practice and examinations in front of the Examining Board of the Slovak Chamber of Civil Engineers (SCCE), the graduate may be authorized to act as an „chartered civil engineer“. The content and structure of the study programme corresponds to the structure and scope of the subjects required by SCCE to perform the profession of chartered civil engineer according to the currently valid classification in category I1 - engineer for building structures and I3 - engineer for the statics of structures - namely for buildings and forthcoming authorization in category I6 - engineer for investment preparation and construction management. Graduate of the study programme will be able to design building constructions and solve their modernization and restoration including restoration of monuments. He / she will be able to theoretically analyse, mathematically and

physically model, experimentally investigate, technically solve, construct and design large and demanding structures and effectively solve the problems of technics, technology and economics of architectural works on modern material basis in the field of design, research, development, testing, including the demonstration of conformity and construction of buildings, with a high level of creativity and independence. He / she can work especially in the position of a chief engineer of building design; after obtaining an authorization certificate from SCCE he / she can carry out the project activities of an authorized (chartered) engineer for buildings. He / she can also carry out an author supervision in realizing of construction, a building construction supervision, or he / she can specialize in elaboration of the parts of a project documentation of buildings related to their building-technological and technological solution, acceptance certification of buildings etc., within the frame of valid legislation. He / she is also employable in many areas related to the construction of buildings and creation of a construction environment, e.g. professional activities in state administration, running a construction company, commercial activities on the construction market. He / she is also able to apply in research and education, in the areas of practical use of information technologies, in consulting engineering, etc. Moreover, he / she can continue the study in doctoral study programmes.

CIVIL ENGINEERING STRUCTURES / CIVIL ENGINEERING STRUCTURES

(Field of study 3659 Civil Engineering)

Graduate is able to analyse, design, construct and maintain engineering and transport structures, carry out research with a high degree of creativity and independence. Graduate acquires deep knowledge in the field of analysis of load-bearing structures, enabling him/her to design, maintain and reconstruct safe, useable, durable and aesthetic structures. The study programme is focused on the acquisition of theoretical and practical knowledge and on the development of the graduate 's ability of his/her creative application when performing the profession. After graduating, the graduate of the second degree study has knowledge of principles and methods of analysis of load-bearing structures of engineering and transport constructions, the principles of their design, diagnostics and evaluation. When solving tasks in individual areas, he/she is able to use acquired experience with application software. In addition to such knowledge and abilities he/she has knowledge related to the economics of buildings, their preparation and management as well as the impact of buildings on the environment. The graduate is qualified to work as a designer, and later an authorised engineer in the design and construction of civil engineering and transport structures. They can also be used in the preparation of investment constructions, engineering activities, in construction, management, operation and maintenance of transport infrastructure (roads, highways, urban roads, airports, railway lines and stations, bridges and underground structures). They can work in design offices, investor units, construction companies, state and public administration. By completing the study programme and acquiring the master's (engineering) degree, the graduate will obtain a qualification for the performance of a regulated profession. After completing appropriate practice and examinations in front of the Examining Board of the Slovak Chamber of Civil Engineers (SCCE), the graduate may obtain the authorization to perform the profession of „chartered civil engineer“. The content and structure of the study programme corresponds to the structure and scope of the subjects required by SCCE for the profession of chartered civil engineer in the category I3 - engineer for the statics of constructions, namely for buildings, engineering structures and bridges and geotechnics.

TRANSPORT INFRASTRUCTURE PLANNING

(Field of study 3659 Civil Engineering)

Graduate is able to analyse, design and operate engineering structures and to carry out research with a reasonable degree of independence and creativity. He/she acquired the necessary theoretical knowledge in the field of analysis and design of transport structures, enabling him/her to design safe and reliable structures and sustainable territorial systems. He/she will acquire the necessary knowledge for planning and evaluation of transport infrastructure, for stability and ecological sustainability of the area. He/she gained the ability to identify and evaluate the development potentials of territorial systems, at both basic and higher levels, ability to plan and design transport infrastructure and its individual components, and to manage the implementation of planned activities in order to ensure sustainable development in all aspects. He/she is organisationally and professionally prepared to handle the pre-project, project, managerial and scientific research activities in the field of transport infrastructure, he/she meets the prerequisites for the doctoral degree study. He/she will obtain the ability to work with cutting-edge technologies and software tools. After appropriate practice, he/she will acquire the ability to manage, provide and coordinate a comprehensive management of transport infrastructure. He/she is employable in the field of planning, design and management of transport infrastructure as a designer and manager, in the preparation of extensive investment constructions, engineering activities and in administration at the state and municipal level. He/she can also work in design offices, investment units, in the state and public administration. After gaining the necessary practice, he/she can work in managerial positions, in the business sector, in organisations dealing with combined system, in research and also in education at secondary schools and universities. He/she can work as a freelancer on the basis of a trade license. The content and structure of the study programme corresponds to the structure and scope of the subjects required by the Slovak

Chamber of Civil Engineers (SCCE) to qualify for the profession of an authorized engineer. By completing the study programme and achieving master's (engineering) degree, the graduate will gain a sufficient basis upon which, after appropriate work experience, he / she can apply for the relevant authorisation/license.

CONSTRUCTION MANAGEMENT

(Field of study 3659 Civil Engineering)

Graduates are qualified experts in the field of technology, management and economics of construction, testing, quality management and performance management with a special focus on engineering and building constructions. They are able to independently prepare and manage the construction of complex engineering and civil engineering constructions, manage the production of building materials, run their own construction companies, carry out research with a high degree of creativity and independence. They can manage employees and lead working groups working on large projects. They are able to analyse and solve problems of construction production, optimise construction processes and introduce new technologies into construction processes. By acquiring theoretical and practical knowledge, the graduate of the master's (engineering) degree study can be employed especially in the preparatory phase of the investment process and in the preparation and construction of complex engineering, land and water structures. Graduate will obtain the ability to analyse the variant possibilities of technological processes and their application at the time of processing of project documentation and implementation phase, to manage processes of technology change in terms of innovation, to assess the quality of building materials, technological processes and structures, to test materials, mixtures and constructions, to manage construction of buildings, to apply optimal practices with regard to the economics and quality, to carry out an economic analysis of the construction process and to apply principles of economic management. The graduate can work independently as a senior manager in compliance with ethical and moral principles. The graduate is employable in the field of theory of technologies and building materials, construction preparation and management, investment preparation of projects, testing, quality management and performance management of transport, engineering and building constructions. Graduates are prepared to perform a profession directly on the building site, in preparation but also in managerial positions. He/she is able to independently manage a construction company. After appropriate practice, he/she is qualified to lead projects and work teams of large projects. He/she can work in analytical and optimization activities and is able to participate in solving research projects of basic and applied research. He/she can do business on the basis of a trade license. By completing the study programme, the graduate will be qualified to perform a regulated profession. After completing appropriate practice and examinations in front of the Examining Board of the Slovak Chamber of Civil Engineers (SCCE), the graduate may obtain the authorization to perform the profession of „chartered civil engineer“. The content and structure of the study programme corresponds to the structure and scope of subjects required by SCCE to perform the profession of chartered civil engineer within a newly prepared legislative in the category I6 - Engineer for investment preparation and quality assurance of constructions.

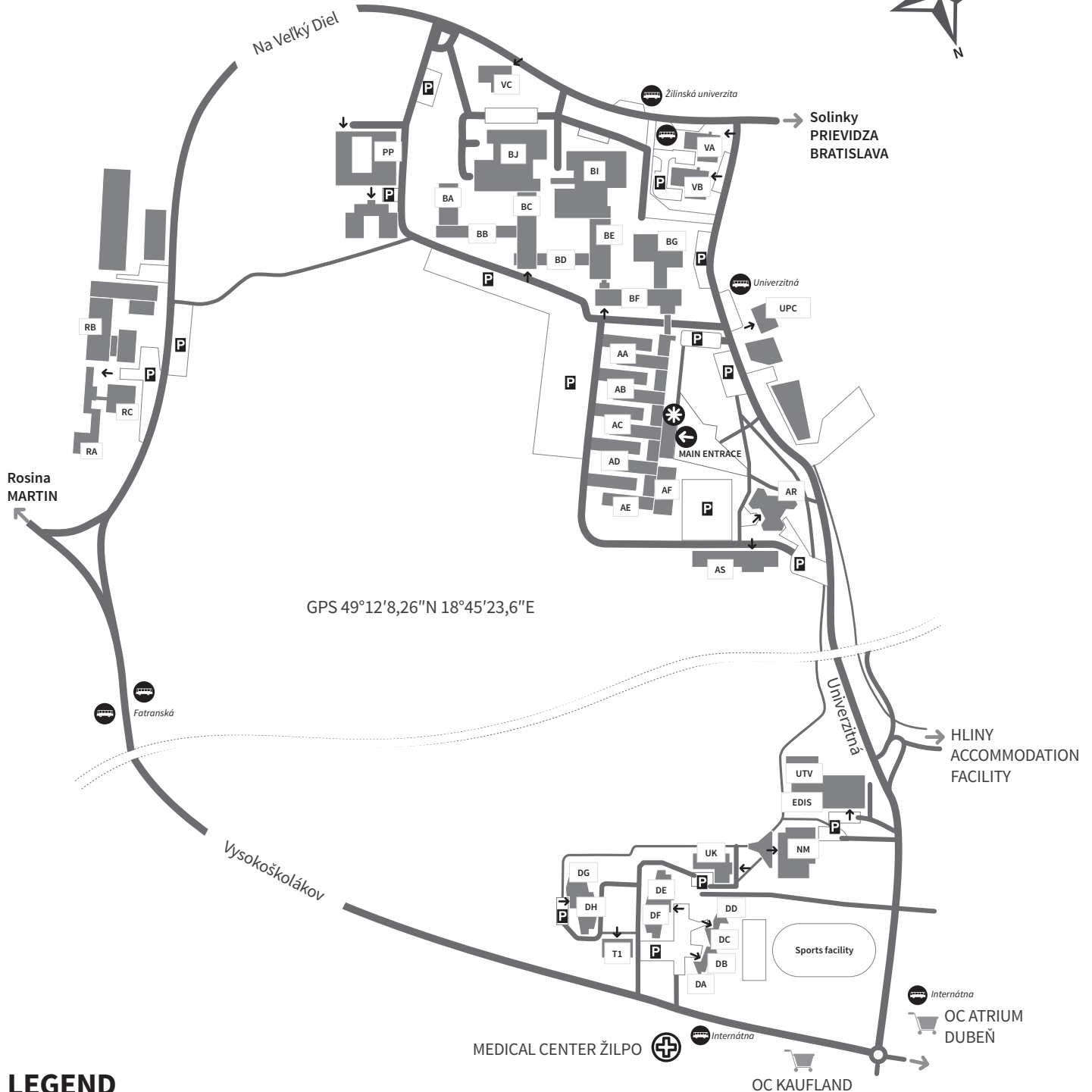
CONSTRUCTION MANAGEMENT AND INFORMATION SYSTEMS

(Field of study 3659 Civil Engineering)

By completing the study programme, the graduate will be qualified to perform selected activities in construction in the areas of construction design, performance of site manager, performance of construction supervision, survey, testing and diagnostics of buildings, geodetic measurements for project activities and demarcation works. After completing appropriate practice and examinations in front of the Examining Board of the Slovak Chamber of Civil Engineers (SCCE), he / she may obtain authorization in the category “engineer for engineering structures” or professional competence to perform the activities of a construction site manager, construction supervisor or energy certification of buildings. The graduate of the study programme can be employed in the field of theory, technology and building materials, construction preparation and management of buildings, investment preparation of projects, testing, quality management and performance management of transport, engineering and building constructions. Graduates are prepared for the performance of professions directly on the construction site, in preparation but also for managerial functions. He / she will be able to independently manage the construction company, after appropriate practice to lead projects and work teams on large projects with the ability to apply modern methods of project management and information systems, including information modelling of buildings. He / she will be able to participate in analytical and optimization activities and will also be able to participate in solving research projects of basic and applied research. The graduate can do business on the basis of a trade license or be a key person in construction companies in large construction projects co-financed by the European Union. Knowledge of a foreign language entitles him / her to work across Europe as well.



CAMPUS OF THE UNIVERSITY OF ŽILINA



LEGEND

- Main entrance
- University halls 1–6, cafeteria, EDIS shop, reception
- AA** Rectorate, ISIC cards, scholarships
- AC** Institute of Lifelong Learning
- AC, AD** Faculty of Humanities
- AE, AF** Faculty of Civil Engineering
- AR** University halls AR 1–3
- BA, BJ** Faculty of Mechanical Engineering
- BF, AA** Faculty of Operation and Economics of Transport and Communications
- BD, AB** Faculty of Electrical Engineering and Information Technology

- DA – DH** Accommodation facility Veľký Diel
- EDIS** EDIS – Publishing House of the University of Žilina
- NM** Catering facility – Nová menza
- PP** Practical Training Facility
- RA, RB, RC** Faculty of Management Science and Informatics
- T1** Gym
- UPC** University Pastoral Centre, coffee lounge
- UK** University Library
- UTV** Institute of Physical Education
- VA, VB** University Science Park
- VC** Research Centre