



# MASTER'S (ENGINEERING) DEGREE STUDY

## UNIVERSITY OF ŽILINA

### Faculty of Operation and Economics of Transport and Communications

#### CONTACT

**University of Žilina in Žilina**

**Faculty of Operation and Economics of Transport and Communications**

Univerzitná 8215/1, 010 26 Žilina

Tel.: 041/513 30 51

e-mail: [dekan@fpedas.uniza.sk](mailto:dekan@fpedas.uniza.sk)

[www.fpedas.uniza.sk](http://www.fpedas.uniza.sk)

**All the questions concerning your study you can direct to the Department of Studies:**

Tel.: 041/513 30 53, 30 54, 30 55, 30 56

**Coordinator for work with students with special needs:**

Mgr. Peter Seemann, PhD.

Tel.: 041/513 32 26

e-mail: [peter.seemann@fpedas.uniza.sk](mailto:peter.seemann@fpedas.uniza.sk)

#### ACCREDITED STUDY PROGRAMMES OFFERED FOR THE ACADEMIC YEAR 2022/2023

##### MASTER'S (ENGINEERING) DEGREE STUDY PROGRAMMES

###### FULL-TIME STUDY

LENGTH OF STUDY 2 YEARS

Road transport specialization:

- Road transport
- Expertise in Road Transport

Railway Transport

Air Transport specialization:

- Air Transport
- Aircraft Maintenance Technology

Postal Engineering

Forwarding and Logistics

Economics and Management of Enterprise

Financial Management

Electronic Business and Management

###### PART-TIME STUDY \*

LENGTH OF STUDY 3 YEARS

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**Detailed information about particular study programmes:**

- syllabus,
- course information sheets





## EXPECTED NUMBER OF ACCEPTED APPLICANTS TO THE FIRST YEAR

MASTER'S (ENGINEERING) DEGREE STUDY		
STUDY PROGRAMME (SPECIALIZATION) / FIELD OF STUDY	PLANNED CAPACITY	
	FULL-TIME	PART-TIME
Road Transport (Road Transport, Expertise in Road Transport) / Transport	70	-
Railway Transport / Transport	60	-
Air Transport (Air Transport, Aircraft Maintenance Technology) / Transport	55	-
Postal Engineering / Transport	30	-
Forwarding and Logistics / Transport	60	-
Economics and Management of Enterprise / Economics and Management	125	-
Financial Management / Economics and Management	60	-
Financial Management / Economics and Management	70	-
<b>TOTAL</b>	<b>530</b>	<b>-</b>

In case of a low number of applicants for full-time study, the Faculty retains the right not to open the 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 (the second degree study programme) is the full completion of the first degree of university study (Higher Education Act, no. 131/2002 Coll. as amended). In the case of a foreign applicant or a student who completed his / her study abroad, he / she shall submit along with the application form (no later than on 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

For study programmes **Road Transport** (specialization Road Transport, Expertise in Road Transport), **Railway Transport**, **Air Transport** (specialization Air Transport, Aircraft Maintenance Technology), **Forwarding and Logistics** and **Postal Engineering** the Faculty accepts the applicants on the basis of the weighted average of study results achieved in their previous undergraduate study (first degree of higher education).

For study programmes **Economics and Management of Enterprise**, **Financial Management** and **Electronic Business and Management** the Faculty accepts the applicants who successfully completed their undergraduate study (first degree of higher education) and at the same time during their undergraduate study achieved the weighted average of marks up to **2.00 inclusive**.

**Other applicants will have to pass entrance exams.**

#### 2. Entrance Exams

Applicants who do not meet the conditions for being accepted without entrance exams for the study programmes **Economics and Management of Enterprise**, **Financial Management** and **Electronic Business and Management** will have to attend the **admission procedure – written test**. The written test consists of knowledge obtained during the first degree study programme. Test questions consist of Economics, Mathematics, chosen Foreign Language (English, German, Russian, French, Spanish).



## 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 Section 92 (8) of the Higher Education Act. The tuition fee is specified by the UNIZA directive and published for the respective academic year on the university's website. Foreign students who study in the Slovak language do not have to pay the tuition fee. Applicants from the Czech Republic can use the form valid in the Czech Republic to submit their application for study. Applicants who do not actively speak Slovak or Czech are required to successfully complete language training (it is possible to attend the Slovak language courses at UNIZA). For foreign applicants who were admitted 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.**

**In case the applicant is interested in more study programmes at the Faculty of Operation and Economics of Transport and Communications, it is necessary to apply for each one individually, including payment of the respective admission procedure fees for each application form.**

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.

Applicants fill in the application form - Prihláška na vysokoškolské štúdium - 2. Stupeň or they can also use an electronic application form. The electronic application can be filled in via the UNIZA website: <https://vzdelavanie.uniza.sk/prijimacky/index.php> or on the Portal VS (University Portal): <https://prihlaskavs.sk/sk/>.

In case of an incomplete application form, applicants will be requested to complete it.

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.

### **Enclosures for the master's (engineering) degree application form:**

1. Curriculum Vitae,
2. proof of payment of the admission fee.

Electronic attachments can also be sent with the electronic application form.

### **Admission fee:**

**€ 20** – EU citizens,

**€ 50** – applicants from non-EU countries

must be paid to:

Žilinská univerzita v Žiline, Univerzitná 1, 010 26 Žilina

Bank: Štátna pokladnica

IBAN: SK81 8180 0000 0070 0026 9888

Const. symbol: 0308

Variable symbol: 10132 – 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.

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: SK81 8180 0000 0070 0026 9888**.

**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.



## USEFUL DATES

Open Day	Deadline for submitting the application form	Entrance exams
November, 12, 2021 February, 11, 2022	1 <sup>st</sup> round: until March, 31, 2022 2 <sup>nd</sup> round: until August 12, 2022	1 <sup>st</sup> round: June, 16 – 17, 2022 2 <sup>nd</sup> round: August, 25 – 26, 2022



## 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: € 41 - € 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.



## FOLLOW-UP STUDY AFTER COMPLETION OF MASTER'S (ENGINEERING) DEGREE STUDY

There is a possibility of extended studies within follow-up doctoral degree programmes at the Faculty of Operation and Economics of Transport and Communications UNIZA in the academic year 2022/2023 – Transport Services, Economics and Management of Enterprise, (respective information about particular study programmes is available at the faculty 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

### ROAD TRANSPORT

(Field of study 3772 Transport)

#### Specialization *Road Transport*

Graduates are employable in professional and managerial positions in road freight, bus and public transport companies as well as coordinators of integrated transport systems. Graduates are also able to find jobs in design, research and development organizations with a focus on the focus on transport, in the automotive industry, car sales and service, technical and emission control stations, in transport departments of industrial companies, state and local government bodies, the traffic police and in schools providing secondary vocational and higher education. Graduates of the field of study Road Transport meet the requirements of professional competence to do business in all types of road transport: road freight transport, bus transport and taxi service and have the knowledge of how to start a business in this field.

### **Specialization *Expertise in Road Transport***

Graduates are employable at all levels of management in transport companies, insurance companies, leasing companies, automobile repair shops, as well as in state administration bodies that manage the field of road transport. They are also able to work in car sales and service, at technical and emission control stations, as well as in the traffic police. They can also be employed in the provision of forensic activities related to road transport.

## **RAILWAY TRANSPORT**

### **(Field of study 3772 Transport)**

Graduates are employable at all levels of management of railway transport in the Slovak Republic and within the EU, especially as technologists and managers of railway infrastructure managers, railway undertakings, transport operators, including professional transport groups and associations in the EU. Graduates are also prepared to work for coordinators of integrated transport systems, in forwarding and logistics companies, in design, research and development organisations focusing on transport, in transport departments of industrial enterprises, state and local government bodies, as well as in secondary vocational schools and higher education institutions. In addition, the Department, in cooperation with the Railways of the Slovak Republic carry out the training courses to acquire professional competence for the type position of an ŽSR (Railways of Slovak Republic) employee as a signalman, switch supervisor, switchman and dispatcher. Courses are conducted outside the regular teaching. Upon successful completion of the course, the student receives a corporate scholarship from ŽSR (Railways of Slovak Republic).

## **AIR TRANSPORT**

### **(Field of study 3772 Transport)**

### **Specialization *Air Transport***

Graduates have comprehensive knowledge and skills (including language skills) required for managerial positions in a wide range of air transport undertakings - airlines, airports, air navigation service providers, ground handling service providers, manufacturers of aircraft and aviation equipment, as well as managerial positions of the State Administration of the Slovak Republic in the field of civil aviation. They are also employable in the air forces of the Slovak Army, civil defence security and rescue services. Graduates are able to work independently in the field of research and development with a high degree of creativity at the international level. With regard to the concept of subjects taught in which air transport is reflected as a global economic sector and a global transport system, graduates are ready to work not only in the Member States of the European Union but also all around the world.

### **Specialization *Aircraft Maintenance Technology***

Graduates are able to demonstrate comprehensive knowledge of aircraft maintenance techniques based on knowledge of technical, operational and practical requirements of air transport, using practical information obtained during the study in order to improve the functioning of transport and management processes in transport. They are also employable in the air forces of the Army of the Slovak Republic, in security, civil defence and rescue services. Graduates are able to work independently in the field of research and development with a high degree of creativity even at the international level. Emphasis is put on the acquisition of theoretical basis that allow easier adaptation and further professional growth of graduates, as well as on the acquisition of knowledge in the field of air operations, enabling quick application of graduates in practice, in management of multinational teams of workers in the field of civil aviation and independent management of projects and taking responsibility for complete solutions. Graduates are able to use sophisticated technical approaches to solve problems and during the study they will gain experience in formulating hypotheses and analysing the data obtained.

## **POSTAL ENGINEERING**

### **(Field of study 3772 Transport)**

Graduates are prepared to manage operational, technological, business and economic activities in postal transport processes, but also more generally in enterprises with transfer activities at various organizational levels. Their knowledge of basic legal regulations, situation on postal and transport markets and markets of electronic communications, as well as knowledge of information systems, principles of economic and financial management and international economic relations predetermine them to be able to design and implement appropriate technologies, manage, organise and ensure operation.

## **FORWARDING AND LOGISTICS**

### **(Field of study 3772 Transport)**

Graduates are employable in forwarding and transport organisations in logistics departments in the executive and managerial functions of forwarding, transport and logistics organizations. They can also work as operational managers of logistics

departments in large production and distribution organisations focusing on ordering transport services. Graduates have sufficient knowledge of how to start their own business with a focus on forwarding and logistics. Graduates have knowledge according to the international standards of the world association FIATA, and therefore can also work in multinational logistics companies abroad.

## **ECONOMICS AND MANAGEMENT OF ENTERPRISE**

### **(Field of study 6213 Economics and Management)**

Graduates are able to analyse complex economic relations in business processes, to design and implement managerial decisions regarding the functioning of these processes. They are characterized by a high degree of creativity and independence in managerial decision-making. They have deep knowledge not only of business management operations, but also of strategic decision-making in terms of globalisation of the economy. They are able to work with complex information systems in enterprises. They demonstrate a high degree of mastery of organisation of managerial work and managerial communication. Their managerial knowledge allows them to find work in manufacturing companies, service companies, financial and insurance institutions, offices, especially at the highest levels of management. The acquired skills qualify for a high degree of independence of the graduate.

## **FINANCIAL MANAGEMENT**

### **(Field of study 6213 Economics and Management)**

Graduates are professionally prepared to perform managerial functions at top and middle management levels in all types of businesses. They can also be employed as financial intermediaries between businesses and institutions on the financial market and abroad, acting as financial managers of non-profit organisations in auditing, consulting and brokerage companies. They are characterized by a high degree of creativity and independence in making financial decisions. They have a deep knowledge not only from operation of financial management of businesses, but also in the field of strategic decision-making from the aspect of globalisation of the economy. They are able to work with complex information systems in enterprises.

## **ELECTRONIC BUSINESS AND MANAGEMENT**

### **(Field of study 6213 Economics and Management)**

Graduates can apply for managerial positions of top management of all types of enterprises, and are able to provide managerial functions in relation to the use of information and communication technologies and services. Due to the focus of their study, they are able to work in companies as senior managers in all types of enterprises in the field of trade and services and to be an active and managerial element in the value chain within e-commerce and business. They are also employable at managerial positions in the development and operation of logistics systems and chains (e.g. storage and distribution systems, automatic identification of goods and services, etc.). They can perform managerial functions in the provision of electronic environment services (e.g. E-Banking, E-Government services, etc.) and represent managerial positions in all types of enterprises in the implementation and realization of project management and innovation management.