UNIVERSITY OF ŽILINA
Faculty of Operation and Economics of Transport and Communications

MASTER´S (ENGINEERING) DEGREE STUDY

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
www.fpedas.uniza.sk

All questions concerning the study can be directed to the Department of Studies:
Tel.: 041/513 30 53, 30 55, 30 56
E -mail: fpedas-studref@uniza.sk

Coordinator for work with students with special needs:
doc. Ing. Eva Nedeliaková, PhD.
Tel.: 041/513 34 09
E-mail: eva.nedeliakova@uniza.sk

ACCREDITED STUDY PROGRAMMES OFFERED FOR THE ACADEMIC YEAR 2027/2028

MASTER´S (ENGINEERING) DEGREE STUDY PROGRAMMES
FULL-TIME STUDY LENGTH OF STUDY 2 YEARS
Road transport *
Railway Transport *
Air Transport * specialization: - Air Transport - Aircraft Maintenance Technology
Distribution Technologies and Services *
Forwarding and Logistics *
Economics and Management of Enterprise
Financial Management
Electronic Business and Management *
** the study programme is also accredited in English*

Detailed information about the study programmes:

- curriculum,
- 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	FULL-TIME IN ENGLISH LANGUAGE
Road Transport / Transport	70	15
Railway Transport / Transport	60	15
Air Transport (Air Transport, Aircraft Maintenance Technology) / Transport	55	15
Distribution Technologies and Services / Transport	30	15
Forwarding and Logistics / Transport	60	15
Economics and Business Management / Economics and Management	125	-
Financial Management / Economics and Management	60	-
Electronic Business and Management / Economics and Management	70	15
TOTAL	530	90

In the event of a low number of applicants for full-time study, the faculty retains the right to not 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 a master's (engineering) degree study (the second-degree study programme) is the full completion of the first degree of university study (Act No. 300/2025 Coll. on Higher Education Institutions and on Amendments to Certain Acts; hereinafter referred to as the "Higher Education Act"). 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 the date of enrolment), a decision on the recognition of the certificate of completion of the first degree of higher education recognised by a relevant institution in the Slovak Republic, or he/she shall ask UNIZA for the recognition of the certificate of education.

Another condition for the applicant 's admission is the successful completion of a first-degree study program with such a structure completed subjects that guarantee eligibility to continue the master degree study of the study program for which the applicant reports. This education eligibility criterion of the applicant is assessed by the appointed admissions committee by the dean of FPEDAS UNIZA based on the structure and content of the completed subjects of the previous study. The education eligibility in the case of admission to study may be conditioned by enrolling in no more than two differential subjects on the basis of a recommendation of the guarantor of the study program to which the applicant is applying.

Other conditions of admission

1. No entrance examination

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

For the study programmes **Economics and Management of Enterprise, Financial Management, and Electronic Business and Management**, applicants who successfully completed their undergraduate study (first degree of higher education) and achieved a weighted average of grades up to **2.00 inclusive** during their undergraduate study are admitted without an entrance examination.

Other applicants will take an entrance examination.

2. Entrance Exams

Applicants who are not admitted without an entrance examination to the study programmes **Economics and Management of Enterprise**, **Financial Management**, and **Electronic Business and Management** will take a written test on the knowledge of the 1st degree of study of the study programme. The questions in the test are from the fields of economics (profile subjects of bachelor's studies), and a selected foreign language (English, German, Russian, French, and Spanish).

Language competence

Written and oral command of Slovak or Czech is required for study at the faculty. For foreign applicants (excl. applicants from the Czech Republic) is required to successfully pass a language test in the Slovak language with a level of at least B1. The language test is carried out on the set dates published on the website of the Institute of Lifelong Education UNIZA and its successful completion is a condition for enrolling in studies. If the applicant has already been successful in the past and passed the Slovak language test conducted by the Institute of Lifelong Education UNIZA at the required level of at least B1, this language test will be recognized within 5 years of its completion.

For full-time study in the English language, applicants are required to have a B2 language proficiency level according to the Common European Framework of Reference for Languages, demonstrated by passing a language test as part of the admissions process.



ADMISSION OF FOREIGN STUDENTS

The basic and other terms and conditions of admission are applicable for applicants from abroad as well as for applicants from Slovakia.

Students who study in a language other than the state language pay tuition fees in accordance with the conditions outlined in 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 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 accepted on the basis of intergovernmental agreements, bilateral agreements, or Slovak government grants, the terms and conditions stated in the respective documents are applicable.



APPLICATION FORM

Application forms are to be submitted for specific study programmes. If an applicant wants to participate in the admission procedure for more than one study programme at the Faculty of Operation and Economics of Transport and Communications, he/she needs to submit separate applications for each study programme and pay a fee for each application.

If the applicant wants to take part in entrance examination 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 the 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.

Attachments to the master´s (engineering) degree application form:

1. curriculum vitae,
2. proof of payment of the admission fee.

Electronic attachments can be submitted along with the electronic application. Simply include all attachments in the electronic application; there is no need to send them by mail as well.

Admission fee:
€ 40 – 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 made only by bank transfer.	
Proof of payment:	proof of payment is to be sent 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 are set according to 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 within the stipulated deadlines.



USEFUL DATES

Open Day	Deadline for submitting the application form	Entrance exams
6 November 2026 5 February 2027	1st round: until 30 April 2027 2nd round: until 31 July 2027 *	8 June 2027 - 9 June 2027 11 August 2027 - 12 August 2027

* The second round of the admission process will be announced only for study programmes that did not fill their capacity in the first round.



ACCOMMODATION

The accommodation facilities of the University of 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: € 66 – € 134 / month**.



CATERING

Students can use the services of the catering facility of the University of Žilina. **Price for food: €1.10 – €4.70**.



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 for continuing study within a follow-up doctoral degree study at the Faculty of Operation and Economics of Transport and Communications UNIZA in the academic year 2027/2028 in the study programmes: Transport Services and Logistics, Economics and Management of Enterprise, Economics of Transport, Communications and Services (respective information about study programmes is available at the faculty website). After completing the master's (engineering) degree study, it is necessary to verify the current offer of the study programmes in a particular academic year.

GRADUATE PROSPECTS

MASTER´S (ENGINEERING) DEGREE STUDY PROGRAMMES

ROAD TRANSPORT
(Field of study 3772 Transport)
Graduates are employable in professional and managerial positions in road freight, bus, and public transport companies, as well as as coordinators of integrated transport systems. Graduates are also able to find jobs in design, research and development organisations with a 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 as well as teachers at secondary vocational schools and higher education institutions. Graduates of the study field of transport meet the requirements of professional competence for business in all types of road transport: road freight transport and bus transport, and they have comprehensive knowledge for business in this field.

RAILWAY TRANSPORT
(Field of study 3772 Transport)
The graduate has knowledge and skills in planning, managing, organizing, and optimising shipping and transport technological processes, as well as in basic corporate economic activities or independent business operations in the field of transport services in freight and passenger railway transport with regard to quality, cost optimization, and ecological aspects of transport. He has knowledge of other branches of transport and logistics, knows legal standards in railway transport, and understands economic and international relations in the organisation of the transport or logistics chain. Graduates apply at all levels of railway transport management in the Slovak Republic and in the EU, especially as technologists and managers of railway infrastructure managers, railway undertakings, and transport operators, including professional transport groups and associations in the EU. Graduates can also be employed as coordinators of integrated transport systems in freight forwarding and logistics companies, in design, research and development organizations with a transport focus, in the transport departments of industrial enterprises, in state and local government authorities, as well as in secondary vocational and higher education institutions.

AIR TRANSPORT
(Field of study 3772 Transport)
Specialization *Air Transport*
Students of the engineering study programme Air Transport with a specialisation in air transport are mainly trained in operational and economic fields aimed at professional managerial positions in air transport. Graduates are familiar with air transport management processes, airport operations, the provision of air navigation services, the economics and business activities of airlines and aviation infrastructure enterprises, etc. The content of the study is designed to knowledgeably cover the entire aviation industry. The subjects allow one to profile a professional career in an operational or economic direction. Half of the study is provided entirely in English, so that graduates are well prepared to work in aviation and abroad.
Graduates acquired competencies to fill positions in companies, organizations, and state bodies in the field of air transport (for example, at the Transport Authority, airlines, airports, air navigation service providers, or research institutes and organizations) by completing the study. The study is completed by the elaboration of a diploma thesis and its defence at the state final examination.

Specialization *Aircraft Maintenance Technology*

Graduates of the engineering study programme Air Transport with a specialisation in aircraft maintenance technology are able to demonstrate comprehensive knowledge of aircraft maintenance technology based on knowledge of the current technical, operational, and practical requirements of air transport. The provided education puts an emphasis on the acquisition of practical and theoretical fundamentals, which will enable easier adaptation and further professional growth for the graduate, as well as the acquisition of knowledge not only in the field of aircraft maintenance, but also in the field of air transport operation, which enables the graduate ‘s rapid application in practice. Graduates will gain extensive practical and theoretical knowledge acquired during the study of subjects focused on aircraft construction, aircraft power units and propellers, materials in aviation, technical maintenance of aircraft, aircraft maintenance procedures, aviation safety technology, basic mechanical components, etc. Upon successful completion of the study, graduates can find employment in maintenance organisations, organisations managing the continuing airworthiness of aircraft, airlines, manufacturing organisations, etc. The study is completed by the elaboration of a diploma thesis and its defense at the state final examination.

DISTRIBUTION TECHOLOGIES AND SERVICES

(Field of study 3772 Transport)

Completing the study programme Postal Engineering is an extension of the knowledge, skills, and competences acquired in the first degree of study in the study programme Distribution Technologies and Services or in another programme in the field of transport. Graduates of the study programme Distribution Technologies and Services are professionals with unique knowledge, skills, and competences in the field of postal and distribution logistics. They can analyse the problems and options determining the development of postal and logistics enterprises, as well as trends in the postal market, and participate in the elaboration of proposals, concepts, and strategic tasks. They have a broad cross-sectional knowledge of logistics, postal technological and logistic processes, and postal networks; they understand the elements of process automation and digitisation and can model and optimise postal and distribution systems and networks using automatic identification and smart devices. They know how to effectively use the tools and applications of information and communication technologies. Graduates can find employment at the middle management level of logistics companies, in companies dealing with insurance and banking services, as well as in public administration institutions, especially in the field of regulation of postal services and networks, where they are able to manage, coordinate, control, and be responsible for the area entrusted to them. Graduates are also well prepared to run their own businesses in the market for distribution and logistics services.

FORWARDING AND LOGISTICS

(Field of study 3772 Transport)

Graduates will find employment in freight forwarding, logistics, and transport organisations as department managers, logistics project managers, and technical specialists for logistics and transport services. They can also work as logistics department managers in large manufacturing and distribution organisations dealing with transportation service ordering. Graduates have knowledge of how to start their own company with a focus on freight forwarding and logistics and meet the requirements for professional education in the regulated trade of freight forwarding. Graduates have professional knowledge according to the updated international standards of the FIATA International Federation of Freight Forwarders Associations and therefore have the opportunity to work in managerial positions in multinational logistics companies abroad.

ECONOMICS AND MANAGEMENT OF ENTERPRISE

(Field of study 6213 Economics and Management)

A graduate of the engineering study programme Economics and Management of Enterprise is a highly qualified professional with a unique set of knowledge, skills, and competences. With a high degree of creativity and independence, he/she is able to analyse complex contexts of economic processes and managerial activities in an enterprise, propose and adopt complex managerial decisions, and ensure their implementation. He/she is qualified to perform upper-middle and top economic and managerial functions in the enterprise. He/she can work with complex information systems and demonstrates a high degree of mastery over the organisation of managerial work and managerial communication. He/she is able to solve complex economic and managerial decision-making problems of a strategic nature in the enterprise, he/she has the knowledge necessary to lead complex teams of employees and independently manage large projects, he/she is able to perform top managerial functions in the enterprise as a manager universalist but also to formulate corporate policy and functional strategies as a specialist manager. The content of the study consists of subjects focused on sociological and behavioural aspects of managerial work, strategic management and marketing, financial management of the enterprise, innovation management, project management, and enterprise value management. The graduate ‘s profile is created during the study on the basis of a selection from a portfolio of compulsory optional and optional subjects. The cross-sectional nature of the

scientific disciplines forming the core of the study programme ensures the universality of education of this type, creates the prerequisites for the competitive advantages of the graduate on the labour market, and provides wide opportunities for its application in economic practice, especially at the top management levels in manufacturing companies, service companies, monetary and insurance institutions, as well as institutions of state and public administration. The acquired knowledge, skills, and competences qualify a high degree of creativity and independence of the graduate.

ELECTRONIC BUSINESS AND MANAGEMENT

(Field of study 6213 Economics and Management)

Graduates of the study programme Electronic Business and Management are able to make decisions and solve problems (everyday situations) in the activities of various types of trade and service enterprises using information and communication technologies. They are prepared to successfully perform the full range of process tasks related to the activities of the enterprise management, the preparation and practical implementation of business functions within a trade and service enterprise, with activities to ensure the operation of the enterprise in relation to the market environment, as well as managerial decisions in a specific regional context. Graduates have a wide range of knowledge and skills in the field of using information and communication technologies and services in business processes. Graduates are able to analyse, creatively design, organize, and manage the business activities and entities that form the structure of the trade and services sector. They are able to carry out research activities as a basis for strategic decision-making in the fields of marketing, innovation activities, etc. They can evaluate the economic efficiency and manage a trade and service enterprise with a high degree of independence and creativity. Graduates acquire knowledge about all the facts that determine the social effectiveness of the functioning of the trade and services sectors in the specific national economic environment of the Slovak Republic and in the EU environment. The knowledge is supported by good language and communication skills. They have sufficient knowledge in the fields of business ethics and social responsibility, which they can implement in business practice. Graduates of engineering study are profiled in two directions: economic-managerial and technical, with an orientation towards IT solutions in the environment of a trade and service enterprise.

FINANCIAL MANAGEMENT

(Field of study 6213 Economics and Management)

A graduate of the engineering study programme Financial Management is a qualified professional who is ready to perform managerial functions, especially of a financial nature, at the level of top and middle management of enterprises with high-quality interdisciplinary knowledge of economic reality in the field of financial management and financing of enterprises. During the study, the student will acquire knowledge about the fundamental problems of financial management, which will enable him/her to perform relevant managerial functions in a sound manner, in particular those related to financial management and the efficient financing of business activities. He/she will also acquire the knowledge necessary for the positions of financial manager and chief accountant of non-profit organisations and of auditing, consulting, advisory, and brokerage companies. The graduate also acquires basic knowledge and skills in the fields of methods and models of strategic financial management of the enterprise, quantification of the cost of capital, quantification and diversification of risks, enterprise value management, methods of evaluating budget-capital decisions, methods and models of evaluating the financial health and performance of the enterprise, advanced and international accounting, international companies, financial innovations on financial markets, etc. The content of the study consists of subjects focused on financial management in the national and international environment, advanced accounting, budgeting, controlling, financial, accounting and tax law, financial modelling, investment management, forensic activities, and valuation of the enterprise and its parts, econometric analysis, and international aspects of financial management, accounting, and taxation. In addition, social sciences and humanities are included in the study plan. Individually, the graduate can profile himself/herself on the basis of a wide range of optional compulsory subjects also in related areas of financial management, or he/she can choose to deepen his/her knowledge of some of the content areas of financial management, such as accounting.

The graduate of the engineering degree of the study programme Financial Management understands the theories, methods, and procedures that are used in solving elementary but also complex and robust tasks in various areas of financial management of enterprises, state and local government bodies, as well as in solving financing through EU projects and grants.