



Description of the study programme

Source: SAAVŠ

Name of the higher education institution: University of Zilina

Address of the higher education institution: Univerzitná 8215/1, 01026 Žilina

Identification number of the higher education institution: XXX

Name of the faculty: Faculty of Operation and Economics of Transport and Communications

Address of the faculty: Univerzitná 8215/1, 01026 Žilina

Institution body for approving the study programme: UNIZA Accreditation Board

Date of the study programme approval or the study programme modification:

Date of the latest change¹ in the study programme description: new study program

Reference to the results of the latest periodic review of the study programme by the institution: XXX

Reference to the assessment report of the application for accreditation of the study programme under § 30 of Act no. 269/2018 Coll.:

https://www.portalvs.sk/sk/morho?unitype%5B0%5D=1&unitype%5B1%5D=2&unitype%5B2%5D=3&suspende d=1&denied=0&order=name&order_dir=a&fid=x9va

1. Basic information about the study programme				
a	Name of the study program	Distribution technologies and services	Number according to the register of study programmes	21496
b	Degree of higher education	master	ISCED-F education degree code	767
c	Place(s) of delivery of the study programme	Univerzitná 8215/1, 010 26 Žilina		
d	Name of the field / Combination of two fields of study	transport	Number of the field of study	3772T00
			ISCED-F codes of the field/fields	1041 Transport services
e	Type of the study programme	academically oriented (for master studies)		
f	Awarded academic degree	engineer (Ing.)		
g	Form of study	full-time		
h	Cooperating institutions and the range of study obligations the student fulfils at each of the given institutions	no		
i	Language or languages in which the study programme is delivered	English		
j	Standard length of the study expressed in academic years	2 years		
k	Capacity of the study programme (planned number of students)	20		

¹ If the change is not a modification of the study programme according to § 30 of Act no. 269/2018 Coll.



Actual number of applicants	<i>Year of study</i>	2017/ 2018	2018/ 2019	2019/ 2020	2020/ 2021	2021/ 2022	2022/ 2023	2023/ 2024
	<i>I. year</i>	22	10	1	5	7	1	3
Actual number of applicants and students	<i>Year of study</i>	2017/ 2018	2018/ 2019	2019/ 2020	2020/ 2021	2021/ 2022	2022/ 2023	2023/ 2024
	<i>I. year</i>	22	10	10	4	6	1	3
	<i>II. year</i>	32	20	0	1	4	6	0

2. Graduate profile and learning objectives	
<p>Learning objectives of the study programme such as student's abilities at the time of completion of the programme and the main learning outcomes</p> <p>a</p>	<p>GRADUATE PROFILE</p> <p><i>Graduates of the 2nd cycle of university studies in the study programme Distribution Technologies and Services are highly qualified professionals with unique knowledge, skills and competences. They are able to manage, coordinate, control and be responsible for the area entrusted to them. They are able to analyse the problems and opportunities determining the development of postal and logistics enterprises as well as trends in the postal market, they participate in the elaboration of proposals, concepts and strategic tasks.</i></p> <p><i>They have a broad cross-cutting knowledge of logistics, postal technological and logistics processes, postal networks, they are familiar with the elements of automation and digitalisation of processes and are able to model and optimise postal and distribution systems and networks.</i></p> <p><i>They have knowledge of business, legislation, organisation and financial management, quality management and marketing of postal enterprises. They know the principles, contexts and understand the patterns, which they can apply in the construction of simulation models for decision-making and management of processes, postal operations and the enterprise. They are well versed in business and distribution models for e-commerce. They are familiar with methods and models for pricing in national and international postal services. They are familiar with the methods of analysing customer requirements in the postal market, have knowledge of the technological and qualitative characteristics of traditional postal and logistics services, new electronic postal services, their collection and distribution, the application of elements of automatic identification and smart devices in the postal network, and have a basic overview of international postal issues and related legislation. They are capable of managing human resources at the level of a section, department, unit or enterprise, and are proficient in the relevant administrative, personnel and other agency activities of a postal enterprise. They know how to make effective use of information and communication technology tools and applications. Have advanced presentation skills, including communication in a foreign language.</i></p> <p><i>Completion of the second level of study is an extension of the foundations of knowledge, skills and competences acquired in the first level of study in the study programme Distribution Technologies and Services or in another programme in the field of transport. The graduate is prepared for further education for the</i></p>



needs of practice but also to continue in the third level of higher education.

OBJECTIVES OF EDUCATION

OE1 By studying, the graduate acquires extensive cross-cutting knowledge of the technological, legal, logistical and economic characteristics of the postal services and logistics sector, which enables him/her:

- to propose solutions to complex and non-standard tasks of conceptual importance,*
- to cooperate with departmental and non-departmental bodies,*
- to participate in the elaboration and submission of proposals for technological and legislative changes*
- to provide lecturing and consultancy services.*

OE2 Understands the concepts, principles and contexts applied in managing, planning, coordinating, controlling postal operations/department/enterprise, technological systems and chains with emphasis on ensuring and controlling the safety of persons and property, compliance with service quality requirements and the use of ICT with regard to digital transformation

OE3 By studying, the student acquires the ability to analyse problems and processes in postal operations, specify requirements for their solution and seek solutions in conjunction with the development of other areas by applying appropriate methods and tools of statistical analysis, diagnostics, design, quality management, operations research, modelling and simulation.

OE4 Acquires the ability to perform tasks in the field of human resources management and to carry out activities aimed at their fulfilment (performance of the personnel and payroll agenda) in relation to immediately subordinate employees (motivate, plan, manage, control and evaluate)

OE5 Is able to propose innovative strategic solutions, to take and defend major decisions and to be responsible for the creation of communication programmes for cooperation with customers, contractual partners and other stakeholders (public administration).

OE6 Can apply economic principles and mechanisms of pricing, distribution, exchange and consumption of economic goods and develop current knowledge, design and implement new solutions following distribution trends resulting from e-commerce.

OE7 The graduate knows the legislative environment of the provision of regulated and unregulated postal services and distribution of mail, is able to perform professional and specialized activities in the regulation and state supervision of postal services, is able to apply the requirements arising from international agreements in the field of postal operations and transport, requirements from commercial and postal contracts in technological procedures and processes.

OE8 The graduate can effectively use ICT tools and applications in the processes of digital transformation of the enterprise.

OE9 The graduate can apply the principles of construction and management of distribution networks in the context of e-



commerce, both in forward and reverse distribution, can create and implement communication campaigns in the digital environment to support both physical and digital distribution.

LEARNING OUTCOMES

LO1 The graduate has the ability and knows how to apply knowledge from the technological, legal, logistical and economic areas of the postal services sector to solve new complex, standard and non-standard tasks in the field of postal operations and transport of national and international importance and in the field of economics and business management

LO2 The graduate is able to analyse the problems and opportunities determining the development of postal and logistics enterprises, of the postal sector as well as trends in the postal market, is ready to develop own business activity directly in the area of providing postal distribution or in mediation and ordering of postal and logistics services.

LO3 Can apply methods and tools of managerial decision-making for effective planning, management, coordination and control of postal operations/department/company with emphasis on occupational health and safety, requirements for the quality of services provided as well as the performance of tasks related to the creation of an anti-corruption environment in the company.

LO4 Can analyse problems and processes of postal operation/department/enterprise, specify requirements for their solution and seek solutions by applying appropriate methods and tools of statistical analysis, diagnostics, designing, quality management, operational research, modelling and simulations.

LO5 Can apply appropriate methods and procedures to address the design of standard technological procedures for collection and distribution and propose new solutions and participate in the development of distribution and postal technologies, new electronic postal services, applications and smart devices in the context of I4.0

LO6 The graduate knows the methods and principles of design and optimization of postal transport networks, allocation of access and trading points, can manage the optimization of logistics processes even in a large-scale logistics system (both forward and reverse flow) and can evaluate the efficiency of the logistics process, monitor and assess the development trends arising from the needs of practice (especially e-commerce).

LO7 Can apply economic principles, observe the principles of budgeting and choose the correct mechanisms of price formation in the regulated and unregulated part of the postal market, the principles of distribution, exchange and consumption

LO8 Can manage directly subordinate employees, but also has the ability to manage subordinate organizational units. Is able to clearly formulate objectives, tasks, options for their solution, communicate results as well as formulate own ideas and attitude. He/she is prepared to argue and debate and to take responsibility for the results achieved.

LO9 Is proficient in operational regulations, participates in commenting on them and can propose new administrative or operational policies, procedures and techniques. Can apply



requirements arising from international agreements in the field of postal operations and transport, requirements from commercial and postal contracts in technological procedures and processes. Provides consultancy and lecturing services. The graduate is familiar with the legislative environment for the provision of regulated and unregulated postal services and mail distribution, including in international relations, and is able to carry out professional and specialised activities in the regulation and performance of state supervision of postal services, including analytical activities, evaluation of results and in the preparation of documents for decision-making.

LO10 Knows the ways and methods of communication, can create contacts and communicate with business partners, customers, is able to communicate business and postal conditions and in cooperation with employees of postal operations and employees of organizational units of trade and marketing, enter into business relationships and apply tools for building and managing relationships with customers and marketing communication tools applicable in the digital environment to support the electronic form of commerce.

LO11 The graduate can effectively use ICT tools and applications of various agency information systems, communication and database systems resulting from the trends of digital transformation of the enterprise.

The qualification of a graduate after graduation is determined by the acquired knowledge, skills and competences, which are set out in the learning objectives. The acquired knowledge, skills and competences are based on the specific learning objectives of the individual subjects of the study programme and are listed in the learning outcomes in the subject information sheets.

Year	Sem.	Profile Subject	Learning Outcomes										
			LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10	LO11
Objective of education (OE 1)													
1.	1.	Logistics	x	x			x						
1.	1.	Express and Courier Services	x	x			x					x	
1.	1.	Intermodal Transportation	x	x			x						
1.	1.	Managerial Economics	x		x							x	
1.	2.	Project and Process Management	x	x			x						
2.	3.	Automation of Technological and Logistical Processes	x	x			x						
2.	3.	Labour Law	x									x	
2.	4.	Legislation in Post and in Electronical Communication	x									x	
2.	4.	Electronic Support of Managerial Decision	x	x									
2.	4.	Transport of Dangerous Goods	x	x			x					x	
2.	4.	Professional Practice	x	x			x					x	
2.	4.	Final Thesis	x	x			x					x	
Objective of education (OE 2)													
1.	1.	Logistics		x	x								x
1.	1.	E-commerce		x	x								x
1.	1.	Quality Management			x								
1.	1.	Intermodal Transportation		x	x								x
1.	1.	Managerial Economics		x	x								
1.	1.	Market with Information and Communication Technologies											x
1.	2.	Transport Economics		x	x								
1.	2.	Project and Process Management		x	x							x	x
1.	2.	Informatization of Enterprise											x
1.	2.	Database Design		x	x								x
2.	3.	Application of Information Technologies			x								x
2.	3.	Automation of Technological and Logistical Processes			x								x
2.	3.	International Economics		x	x							x	
2.	3.	Diagnostic Systems in Quality Management in Services			x							x	x
2.	4.	Electronic Support of Managerial Decision		x	x							x	x
2.	4.	Professional Practice		x	x							x	x
2.	4.	Transport of Dangerous Goods		x	x							x	x
2.	4.	Final Thesis		x	x							x	x
Objective of education (OE 3)													
1.	1.	Express and Courier Services		x	x	x							
1.	1.	Operational Analysis 1			x	x							
1.	1.	Quality Management			x	x							
1.	1.	Managerial Economics			x	x	x						
1.	2.	Transport Economics		x									
1.	2.	Operational Analysis 2			x	x							
1.	2.	Project and Process Management		x	x	x							
2.	3.	Application of Information Technologies		x									
2.	3.	Projecting of Technological Processes		x	x	x							
2.	3.	Diagnostic Systems in Quality Management in Services			x	x							
2.	3.	Modelling of Systems			x								
2.	4.	Professional Practice		x	x	x							
2.	4.	Final Thesis		x	x	x							



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education (OE 5)</td></tr> <tr><td>1.</td><td>2.</td><td>Project and Process Management</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td>x</td><td>x</td></tr> <tr><td>1.</td><td>2.</td><td>Database Design</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td>x</td><td>x</td></tr> <tr><td>2.</td><td>3.</td><td>Digital Marketing</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td></tr> <tr><td>2.</td><td>3.</td><td>Projecting of Technological Processes</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td></tr> <tr><td>2.</td><td>4.</td><td>Legislation in Post and in Electronical Communication</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td>x</td><td>x</td></tr> <tr><td>2.</td><td>4.</td><td>Electronic Support of Managerial Decision</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td>4.</td><td>Customers Relations Management</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td></tr> <tr><td>2.</td><td>4.</td><td>Final Thesis</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td>x</td><td>x</td></tr> <tr><td colspan="13">Objective of education (OE 6)</td></tr> <tr><td>1.</td><td>1.</td><td>Managerial Economics</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td></tr> <tr><td>1.</td><td>1.</td><td>Quality Management</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td></tr> <tr><td>1.</td><td>2.</td><td>Transport Economics</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td></tr> <tr><td>1.</td><td>2.</td><td>Banking and Insurance</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td></tr> <tr><td>1.</td><td>2.</td><td>Budgeting and Pricing</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td>3.</td><td>Digital Marketing</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td>3.</td><td>International Economics</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td>4.</td><td>Legislation in Post and in Electronical Communication</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td>4.</td><td>Professional Practice</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td>4.</td><td>Final Thesis</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td>x</td><td>x</td></tr> <tr><td colspan="13">Objective of education (OE 7)</td></tr> <tr><td>1.</td><td>1.</td><td>Express and Courier Services</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td>x</td><td></td></tr> <tr><td>1.</td><td>2.</td><td>Transport Economics</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td></tr> <tr><td>1.</td><td>2.</td><td>Budgeting and Pricing</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td>x</td><td></td></tr> <tr><td>2.</td><td>3.</td><td>International Economics</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td>3.</td><td>Labour Law</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td>4.</td><td>Legislation in Post and in Electronical Communication</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td>x</td><td></td></tr> <tr><td>2.</td><td>4.</td><td>Transport of Dangerous Goods</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td></tr> <tr><td>2.</td><td>4.</td><td>Final Thesis</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td>x</td><td>x</td></tr> <tr><td colspan="13">Objective of education (OE 8)</td></tr> <tr><td>1.</td><td>1.</td><td>E-Commerce</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td></tr> <tr><td>1.</td><td>1.</td><td>Market with Information and Communication Technologies</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td></tr> <tr><td>1.</td><td>2.</td><td>Informatization of Enterprise</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td></tr> <tr><td>1.</td><td>2.</td><td>Database Design</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td></tr> <tr><td>2.</td><td>3.</td><td>Digital Marketing</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td></tr> <tr><td>2.</td><td>3.</td><td>Application of Information Technologies</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td></tr> <tr><td>2.</td><td>3.</td><td>Projecting of Technological Processes</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td></tr> <tr><td>2.</td><td>4.</td><td>Final Thesis</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td></tr> <tr><td colspan="13">Objective of education (OE 9)</td></tr> <tr><td>1.</td><td>1.</td><td>Logistics</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td><td>x</td><td></td><td></td></tr> 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Diagnostic Systems in Quality Management in Services								x		x		x	2.	3.	Labour Law										x		x	2.	4.	Professional Practice								x				x	2.	4.	Customers Relations Management								x				x	2.	4.	Final Thesis								x			x	x	Objective of education (OE 5)													1.	2.	Project and Process Management								x			x	x	1.	2.	Database Design								x			x	x	2.	3.	Digital Marketing								x				x	2.	3.	Projecting of Technological Processes								x				x	2.	4.	Legislation in Post and in Electronical Communication								x			x	x	2.	4.	Electronic Support of Managerial Decision								x					2.	4.	Customers Relations Management								x				x	2.	4.	Final Thesis								x			x	x	Objective of education (OE 6)													1.	1.	Managerial Economics								x					1.	1.	Quality Management								x					1.	2.	Transport Economics								x					1.	2.	Banking and Insurance								x					1.	2.	Budgeting and Pricing								x					2.	3.	Digital Marketing								x					2.	3.	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b	<p>Indicated professions for which the graduate is prepared at the time of completion and the potential of the study programme from the point of view of graduate's employability</p>	<p><i>The list of indicated occupations in which graduates can be employed is based on the Register of Occupations (qualification level SKKR7) and the qualification cards of the National System of Qualifications (qualification level SKKR7). For example:</i></p> <p>2149021 Technical Specialist in the Postal Services (available from: https://www.sustavapovolani.sk/karta_zamestnania-7030-28)</p> <p>1324009 Management Officer (Manager) in the Postal Services (available from: https://www.sustavapovolani.sk/karta_zamestnania-7031-28)</p> <p>1324008 Manager in logistics (available from: https://www.sustavapovolani.sk/karta_zamestnania-7024-28)</p> <p>2149020 Technical specialist in logistics (available from: https://www.sustavapovolani.sk/register-zamestnani/pracovna-oblast/karta-zamestnania/24001-technicky-specialista-v-logistike/28-logistika-skladovanie-a-postove-sluzby/)</p> <p>2421003 Project specialist (project manager) (available from: https://www.sustavapovolani.sk/karta_zamestnania-5553-1%20Projektov%C3%BD%20C5%A1pecialista%20(Projektov%C3%BD%20mana%C5%BE%C3%A9r))</p> <p><i>Based on the portal Internet guide to the labor market (https://www.worki.sk/), the following occupations were also identified (corresponding to SKKR qualification level 7):</i></p> <ul style="list-style-type: none"> • Logistics and postal services technician • Transport and postal services manager • Postal and forwarding services specialist • Logistics specialist • Administrative worker in transport and logistics • Project manager 																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													



		<p><i>The graduate of the study programme Distribution Technologies and Services is ready to find employment in other professions requiring acquired knowledge, skills and competences resulting from the profile of these professions, e.g. In the executive functions, but also as a specialist in the field of management of postal and logistics systems, especially in the departments of operations, logistics in postal, freight forwarding and logistics companies, in the executive functions of postal operators and in the functions of specialists, dispatchers, administrators and managers, brokers and consolidators, as well as in the field of e-business, state administration and state supervision. Graduates have an understanding of the postal, transportation and freight forwarding business and are prepared to operate and manage a business.</i></p> <p><i>On the basis of the acquired knowledge, skills and competences, the graduate of the study programme Distribution Technologies and Services is prepared to continue with further doctoral studies in study programmes in the field of transport.</i></p> <p><i>The potential of the study programme "Distribution Technologies and Services" in terms of graduates' application on the labour market is supported by the long-term active cooperation of the Department of Communications with major employers in the field of postal services and logistics, as well as state administration institutions. These are mainly Slovak Post, a.s. (scholarship program for students, SP, a.s. provides assistance throughout the education, the student participates in the solution of projects, completes professional practice, the final thesis is solved at the workplace of SP, a.s., after graduation has a guaranteed job at the position of a specialist), Czech Post, s.p., Direct Parcel Distribution SK s.r.o., Amazon, UPS, the Office for the Regulation of Electronic Communications and Postal Services, the Ministry of Transport of the Slovak republic, and others.</i></p>
c	Relevant external stakeholders who have provided the statement or a favourable opinion on the compliance of the acquired qualification with the sector-specific requirements for the profession	<p><i>The study programme does not prepare for a profession requiring an opinion on the compliance of the acquired qualification with the sector-specific requirements for the exercise of the profession.</i></p>

3.	Employability	
a	Evaluation of the study programme graduates employability	<p><i>Completion of the second level of study is an extension of the knowledge and outlook acquired in the first level of study in the study programme Distribution Technologies and Services or in another programme in the field of transport. The graduate is prepared for further education for the needs of practice, but also to pursue a third level of higher education in the field of transport.</i></p> <p><i>Graduates of the study programme Distribution Technologies and Services find employment in managerial functions of postal and logistics companies of various types, in companies providing cross-cutting activities of logistics systems (transport and transportation), in institutions providing services both in the</i></p>



private and in the public sphere. They will be employed in executive management functions or as tactical and operational level managers in postal, freight forwarding and transport organisations in the departments of operations, logistics, postal operators, specialists, dispatchers and administrators. They will also be employed as operations managers and mail order executives in large manufacturing and distribution companies. Graduates have knowledge of business in the postal sector, transport and freight forwarding and are ready to manage their own company and are able to implement new knowledge, technologies into practice as well as participate in their development and implementation. They find employment as project managers, product specialists, marketing executives. The acquired knowledge, skills and competences predetermine the graduates to pursue a profession in public administration institutions, especially as specialists for regulation and state supervision of postal services or in the position of specialists for the creation of strategies and concepts for the development of postal services, in private sector jobs in the field of financial, banking, insurance and consultancy services.

Since 2008, the Faculty of Operations and Economics of Transport and Communications has been conducting its own monitoring of graduates' employment on the basis of a questionnaire survey, which is available from: <https://fpedas.uniza.sk/~dotaznik/> and the results are published in the annual report. The results, broken down by year, degree and study programme, are also available in the archives of the Department of Communications (the department providing the degree programme Distribution Technologies and Services, formerly Postal Engineering).

Since 2014, the PEDAS faculty has been cooperating with the Labour, Social Affairs and Family Office based in Bratislava, which annually reports data on unemployed graduates broken down into bachelor's, engineering and doctoral graduates, which the faculty also publishes in the Annual Report on the activities of the faculty in chapter 2.7 Graduates and their employment. Annual reports for each year are available on the Faculty's website:

2023
https://fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2023.pdf

2022
https://fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2022.pdf

2021
https://fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2021.pdf

2020
https://fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2020.pdf

2019
https://fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2019.pdf



	<p>2018 https://fpedas.uniza.sk/images/uradna_tabula/vyrocna_sprava_fpedas_2018.pdf</p> <p>2017 https://fpedas.uniza.sk/images/uradna_tabula/vyrocna_sprava_fpedas_2017.pdf</p> <p>2016 https://fpedas.uniza.sk/images/uradna_tabula/vyrocna_sprava_fpedas_2016.pdf</p> <p>2015 https://fpedas.uniza.sk/images/uradna_tabula/vyrocna_sprava_fpedas_2015.pdf</p> <p>Since 2013, within the framework of the Internal Quality Assurance System of Education at the Faculty of Operation and Economics of Transport and Communications of the University of Žilina, the fulfillment of the quality indicator of education has been evaluated:</p> <ul style="list-style-type: none">- Coefficient of graduate unemployment <p>The results of the evaluation are available on the website of the Faculty of Operation and Economics of Transport and Communications:</p> <p>2021 https://fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2021.pdf</p> <p>2020 https://fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2020.pdf</p> <p>2019 https://fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2019.pdf</p> <p>2018 https://fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2018.pdf</p> <p>2017 https://fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2017.pdf</p> <p>2016 https://fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2016.pdf</p> <p>2015 https://fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2015.pdf</p> <p>According to data from www.uplatnenie.sk (for 2018 and 2019), graduates of the Distribution Technology and Services study programme are most likely to be employed in the following sectors:</p>
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		<ul style="list-style-type: none">- wholesale and retail trade,- transport and warehousing,- financial and insurance activities, with positions mainly in the following areas:- technicians and technical specialists in transport, - managers in transport, logistics and postal services,- counter workers and similar workers (postal, financial and insurance services).
b	Successful graduates of the study programme	<p>The Faculty of Operations and Economics of Transport and Communications has been dedicated to education in the field of postal technologies and services for 60 years. The study programme Distribution Technologies and Services represents an innovative form of the original study programmes in terms of the requirements of social, economic and scientific-technical development, today especially the digital transformation. It was created as a successor study programme from two programmes, namely Postal and Telecommunication Operations and, before that, Operations and Economics of Communications. During this period, a number of successful graduates have graduated from the study programme, who have found employment in important positions in many public and commercial institutions in Slovakia, the Czech Republic and other foreign countries, as well as in the private and academic spheres. For example, the following graduates can be mentioned for the commercial sphere:</p> <ul style="list-style-type: none">- Ing. Radka Mazúrová - Specialist of National and International Operations, Slovenská pošta, a.s.- Ing. Peter Šturdík - International Relations Expert, Slovenská pošta, a.s.- Ing. Rastislav Kulich, PhD. - Head of the Program Management Office, Slovenská pošta, a.s.- Ing. Miroslav Bat'ka, PhD. - Specialist of Electronic Postal Services, Slovenská pošta, a.s.- Ing. Jozef Vrábek - Head of Financial Transaction Settlement Section, Slovenská pošta, a.s.- Ing. Martin Šutek - Director of Branch Network Section, Slovenská pošta, a.s.- Ing. Martina Verešpejová - Director of Distribution Activities Section, Slovenská pošta, a.s.- Ing. Danko Trávníková - Director of the Regional Directorate Žilina, Slovenská pošta, a.s.- Ing. Agáta Gajdošíková - Director of Regional Directorate Nitra, Slovenská pošta, a.s.- Ing. Pavol Dydňanský, PhD. - team leader "digital transformation and operation", T-Systems Slovakia for Deutsche Telekom IT Solutions Slovakia- Ing. Tomáš Komorník - project manager, Tatra banka, a.s.- Ing. Katarína Ivánková, PhD. - Quality engineer at Tsubaki Nakashima Co., Ltd- Ing. Peter Kolarovszki, PhD. - project manager GS1 Slovakia- Ing. Vladimír Matuščin - Managing Director of INSIA SK s.r.o.- Ing. Roman Súlovec - Managing Director of rois, s.r.o- Ing. Ľuboš Magát - Managing Director of MAURIT, s.r.o.



		<p>- Ing. Jozef Štefunko, PhD. - Control System Validator, Siemens</p> <p>- Ing. Miroslava Švadlenková, PhD. - Project Manager at K2 invest s.r.o., Pardubice Czech Republic</p> <p>- Ing. Emília Bobková - Director of Postal Technology Section, Česká pošta, s.p.</p> <p>- Ing. Rastislav Gira - Segment Marketing Manager, Slovak Telekom</p> <p>- Ing. Barbora Vopalecká, PhD. - product development specialist Stredoslovenská energetika, a.s.</p> <p>- Ing. Peter Černek, PhD. - Senior Business Development Manager at Unlimint, London, England, United Kingdom</p> <p>- Ing. Michal Valušek - Chief Operating Officer at BTL Slovakia s.r.o.</p> <p>- Ing. Jakub Čvikota - Supply chain specialist at IBM, Bratislava</p> <p>- Ing. Sláva Gašparová - Logistics Administration Quality at Brose Group</p> <p>- Ing. Martin Šmehýl - Information Technology Specialist at Stredoslovenská distribučná, a. s.</p> <p>- Ing. Juraj Zeman - Quality manager, Mubea Automotive Slovakia s.r.o.</p> <p>- doc. Ing. Dagmar Vidříková, PhD. - Head of Safety Management Department, Národná diaľničná spoločnosť, a. s.</p> <p>For international institutions:</p> <p>- Ing. Ján Bojnanský - Transport Programme Manager, Universal Postal Union</p> <p>Successful graduates in public administration:</p> <p>- Ing. Ján Flák, PhD - Vice-President of the Office for Regulation of Electronic Communications and Postal Services</p> <p>- Ing. Matejková Eva - Director of the Department of Postal Services, Ministry of Transport and Communications of the Slovak Republic</p> <p>In the academic and research sphere successful graduates are:</p> <p>- Dr.h.c. prof. Ing. Tatiana Čorejová, PhD. - professor, University of Žilina (winner of many important awards)</p> <p>- doc. Ing. Jozef Habánik, PhD. - Associate Professor, Rector University of Trenčín Alexander Dubček</p> <p>- Assoc. Ing. Katarína Haviernikova, PhD. - associate professor Trenčín University of Alexander Dubček</p> <p>- Ing. Katarína Hrbáňová, PhD. - eTwinning, NSS at the University of Žilina</p> <p>- Ing. Alena Chenková, PhD. - eTwinning project manager</p> <p>- Ing. Zuzana Kolarovszká, PhD. - eTwinning project manager</p>
c	Evaluation of the study programme quality by employers (feedback)	<p>The Department of Communications regularly monitors the satisfaction of employers with the preparation of graduates for the profession with an annual periodicity (Internal Quality Assurance System of Education - indicator U2). The survey is conducted in the form of primary research on a sample of respondents - employers of graduates of the Distribution Technologies and Services (DTS) and Electronic Commerce and Management (EOaM) study programmes. The aim of the research is to identify the university's contribution to practice through the production of career-ready graduates. Inputs to determine the indicator are collected from employers in the field. The opinion of</p>



major employers who recruited graduates of the DTS (EOaM) programme during the study period is evaluated. The evaluation only covers graduates who are employed in a position requiring a university degree. The value of the U2 perception indicator is ascertained by the question: "In your opinion, to what extent are graduates of the DTS (EOaM) programme prepared to perform job tasks appropriate to their level of education in your organisation?"

Table: Trend of indicator U2: Employers' satisfaction with graduates' preparation for the profession for the years 2014-2021

Indicator	Year						
	2015	2016	2017	2018	2019	2020	2021
Employer satisfaction (%)	90,0	98,7	95,00	96,9	95,45	92,00	93,75

Employers' satisfaction with the preparation of graduates for the profession maintains a stable trend (90.0 - 98.75%). Employers are satisfied with the preparation of graduates of the DTS (EOaM) study programme for the profession, graduates are initiative, proficient in working with ICT, come up with their own opinions and suggestions. The slight decrease in the value of the indicator in 2020 was due to lower satisfaction rates (85%, 75%) among employers who have specific requirements for graduates' qualifications. The jobs held by graduates with these employers (auditor, specialist programmer, analyst) require additional training, training and courses (e.g. obtaining a certificate) related to the graduates' job description that are not part of the curricula of the study programme.

Major employers and their evaluation:

Major employers	Graduate employment area	Satisfaction in %
Slovenská pošta, a. s.	Department of Project and Process Management IT, Department of Programme Office, HSS Žilina	93,33
Amazon	area manager, digital marketing	75
Hyundai	logistics	95
MIP services	transport, courier services	100
TRW Automotive (Slovakia), s.r.o.		70
Úrad pre reguláciu elektronických komunikácií a poštových služieb	Department of Frequency Spectrum Management	95
AT&T GlobalNetworkServicesCzechRepublic		100
IKEA - zákaznicke centrum	customer centre communication with customers, mass service	100
Stredoslovenská distribučná	specialist programmer, analyst,	95



	human resources - remuneration and reporting	
Deloitte Bratislava, Žilina	audit	85
Evropská databanka, a. s. Brno		100
NEBBIA SK	e-commerce, CEO	100
Tesco Mobile	marketing	98
Euromar, s.r.o.	marketing	100
Hyperia, s.r.o.	online marketing department	75
Datart	Claims specialist	100
Tatry Mountain Resorts	marketing specialist	100
PMR, s.r.o.	Purchasing Department	90
Ministerstvo financií	Eurofunds, Science and Research	95
Prima banka	Payment Services Department, Securities	70
ČSOB poisťovňa		100
OVB Allfinanz Slovensko, a.s.		100
Obecný úrad	Projects, Administration	100
Kros, Agrospol, Klinická biochémia, Úrad práce,	Economics, Accounting, Administration	92,5

In addition to the above-mentioned surveys, the level of satisfaction is part of the statements of representatives from the practice obtained during the state examinations, which are documented by the minutes of the state examinations and stored at the Department of Communications (gestor department of the study programme).

Since 2013, the Faculty of Operation and Economics of Transport and Communications has implemented the Internal Quality Assurance System for Education, the functionality of which has been regularly evaluated every year. The reports on the evaluation of the functionality of the Internal Quality Assurance System for Education also contain data on Employers' Satisfaction with the Preparation of Graduates for the Exercise of the Profession, as one of the quality indicators.

These reports are available for each year on the Faculty's website as follows:

2013

https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2013.pdf

2014

https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2014.pdf

2015

https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2015.pdf

2016

https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2016.pdf



		<p>2017 https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2017.pdf</p> <p>2018 https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2018.pdf</p> <p>2019 https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2019.pdf</p> <p>2020 https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2020.pdf</p> <p>2021 https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_z_hodnotenia_funkcnosti_vnutorneho_systemu_zabezpecovania_kvality_vzdelavania_na_fpedas_2021.pdf</p> <p>The relevant data are presented in the following table: Employers' satisfaction with the preparation of graduates for the profession:</p> <table border="1"><thead><tr><th>Year</th><th>Evaluation (%)</th></tr></thead><tbody><tr><td>2013</td><td>85 %</td></tr><tr><td>2014</td><td>72,69 %</td></tr><tr><td>2015</td><td>81,16 %</td></tr><tr><td>2016</td><td>87,85 %</td></tr><tr><td>2017</td><td>90,33 %</td></tr><tr><td>2018</td><td>88,95 %</td></tr><tr><td>2019</td><td>86,72 %</td></tr><tr><td>2020</td><td>89,84 %</td></tr><tr><td>2021</td><td>91,79 %</td></tr></tbody></table>	Year	Evaluation (%)	2013	85 %	2014	72,69 %	2015	81,16 %	2016	87,85 %	2017	90,33 %	2018	88,95 %	2019	86,72 %	2020	89,84 %	2021	91,79 %
Year	Evaluation (%)																					
2013	85 %																					
2014	72,69 %																					
2015	81,16 %																					
2016	87,85 %																					
2017	90,33 %																					
2018	88,95 %																					
2019	86,72 %																					
2020	89,84 %																					
2021	91,79 %																					

4.	Structure and content of the study programme²
	Rules for the design of study plans within the study programme
a	<p><i>The proposal for the study program Distribution Technologies and Services is prepared in accordance with the standards of the SAAVŠ and the standards of VSK UNIZA. When proposing the study program, all formalized processes of the internal quality assurance system at the University of Žilina in Žilina, all procedures in individual processes, as well as the responsibility of individual structures are respected.</i></p> <p><i>The study program Distribution Technologies and Services was prepared and submitted in full accordance with the formalized processes of the internal quality assurance system at the University of Žilina in Žilina (hereinafter "VSK UNIZA") - Directive No. 222.</i></p> <p><i>On 25.10.2024, the proposal committee prepared a proposal for the creation of a new SP in English at the master level of education in the area of distribution technologies and service, which represents a language mutation of the Slovak study program Postal Engineering/Distribution Technologies and Services. The proposal was submitted to the Dean of the Faculty on 4.11.2024. The Dean's Board discussed the proposal on 18.11.2024. The proposal was commented on by authorities from practice: the Office for the Regulation of Electronic Communications and Postal Services (7.1.2025) and the employers' association Union of Transport, Posts and Telecommunications of the Slovak Republic (10.1.2025). The Rector's Board agreed at its meeting on 13.1.2025.</i></p>

²Selected characteristics of the content of the study programme can be stated directly in the Course information sheets or supplemented by the information of the Course information sheets.



Throughout the process, the persons assessing and approving the study program (authority from practice, FPEDAS Scientific Council and UNIZA Accreditation Board) are different from the persons preparing the study program proposal for harmonization.

The nomination of members to individual structures is recorded in the minutes of the meetings of the Dean's Board (in the Dean's Secretariat), individual members were appointed by the Dean. The composition of individual structures is known and accessible.

At the university level, the policies, structures and processes related to the UNIZA Directive No. 222 Internal Quality Assurance System at UNIZA (hereinafter "VSK") define.

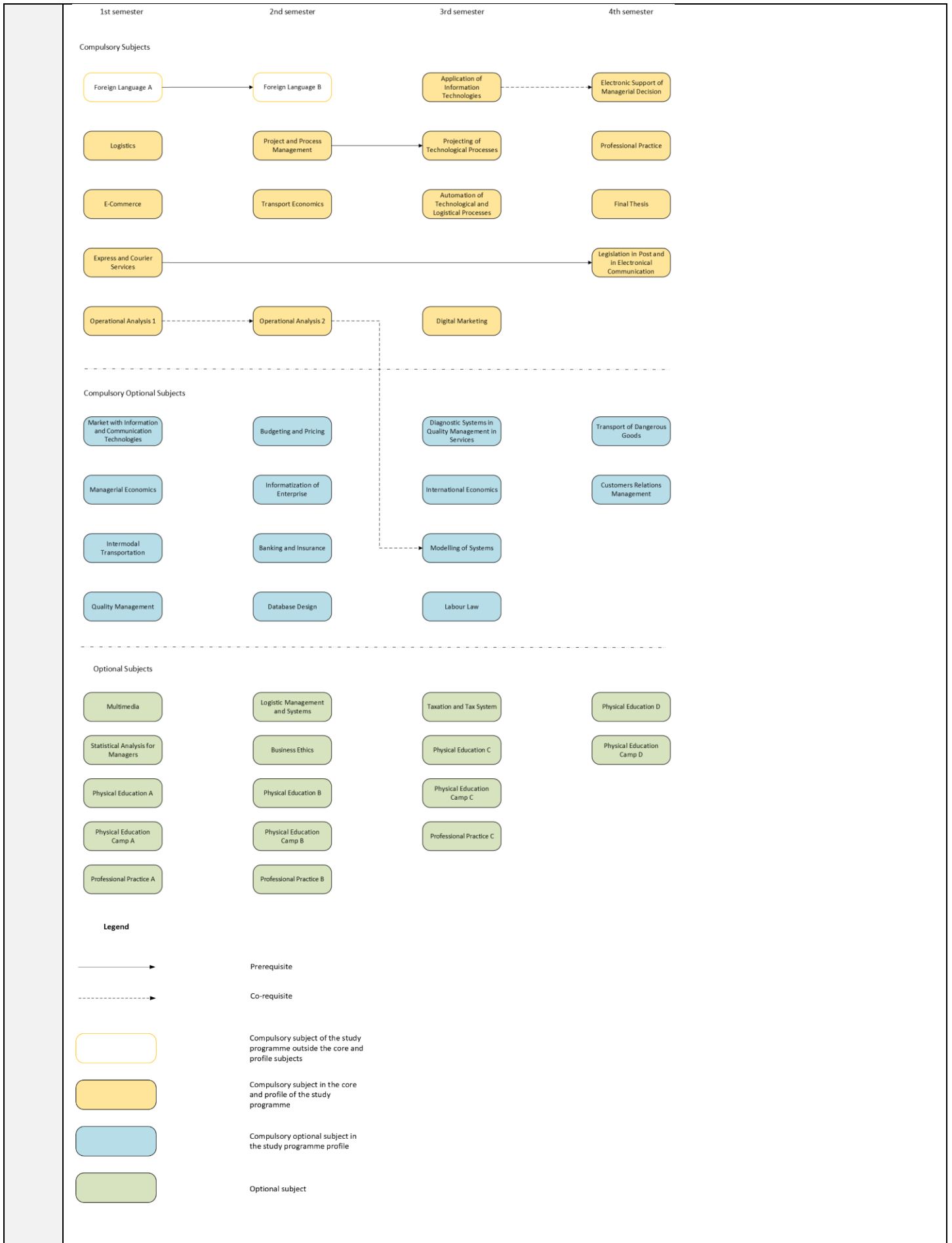
In addition to the aforementioned Directive No. 222, other procedures related to the proposal of a new study program or a proposal for the modification of a study program are defined by the following directives:

- Directive No. 203 Rules for the creation of recommended study plans of study programs at UNIZA;*
- Directive No. 204 Rules for the creation, modification, approval and cancellation of study programs at UNIZA;*
- Directive No. 205 Rules for the assignment of teachers to provide study programs at UNIZA;*
- Directive No. 212 Rules for defining the workload of creative employees of UNIZA;*
- Directive No. 217 Resources to support educational, creative and other related activities of the University of Žilina in Žilina;*
- Directive No. 218 on the collection, processing, analysis and evaluation of information to support the management of study programs;*
- Directive No. 220 Evaluation of the creative activity of employees in relation to ensuring the quality of education at UNIZA;*
- Directive No. 221 UNIZA cooperation with external partners from practice.*

b

Recommended study plans for individual study paths

The set of prerequisites and co-requisites for the study program Distribution Technologies and Services:

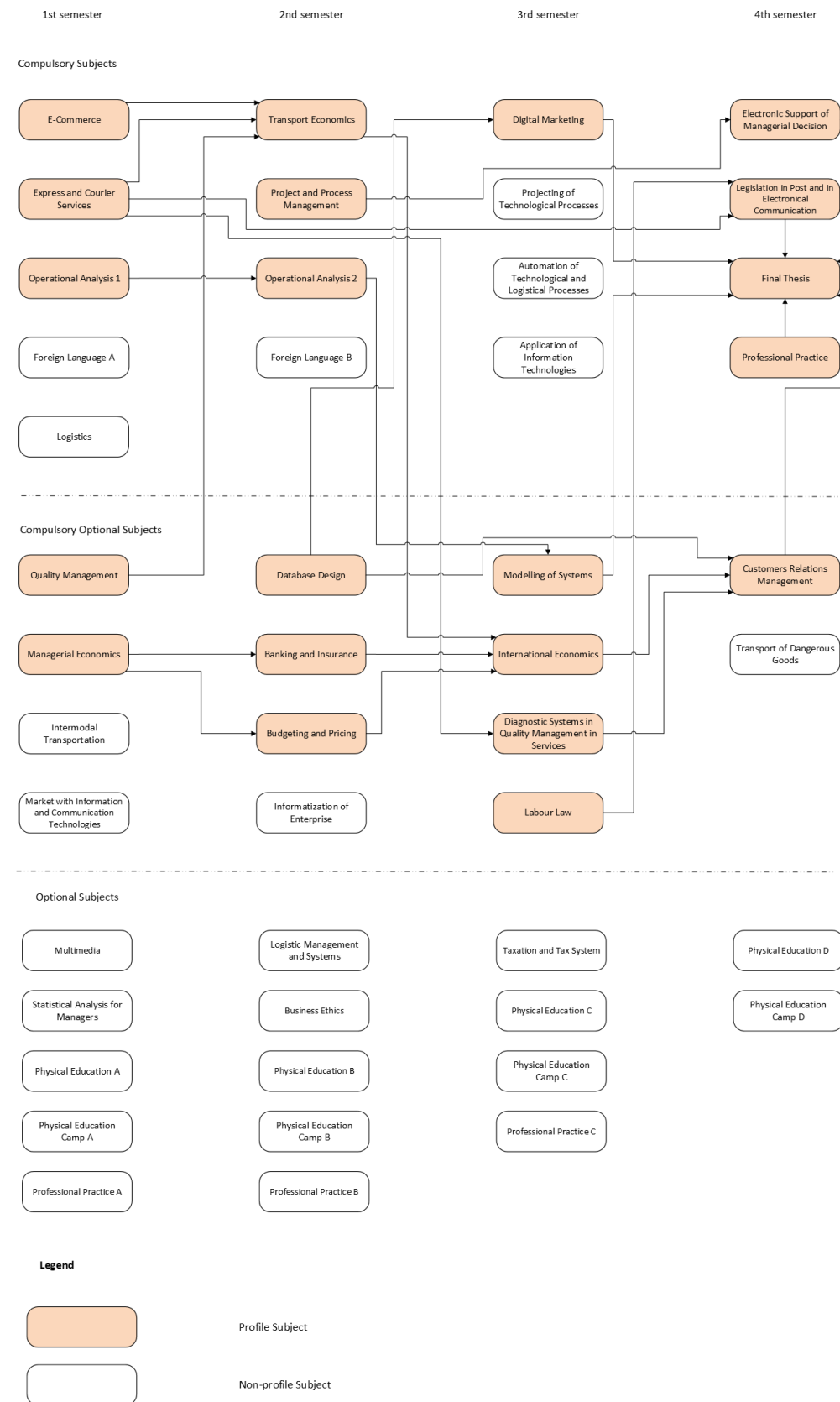




Graduate's path in the field of economic and managerial profiling:

Especially for indicated professions:

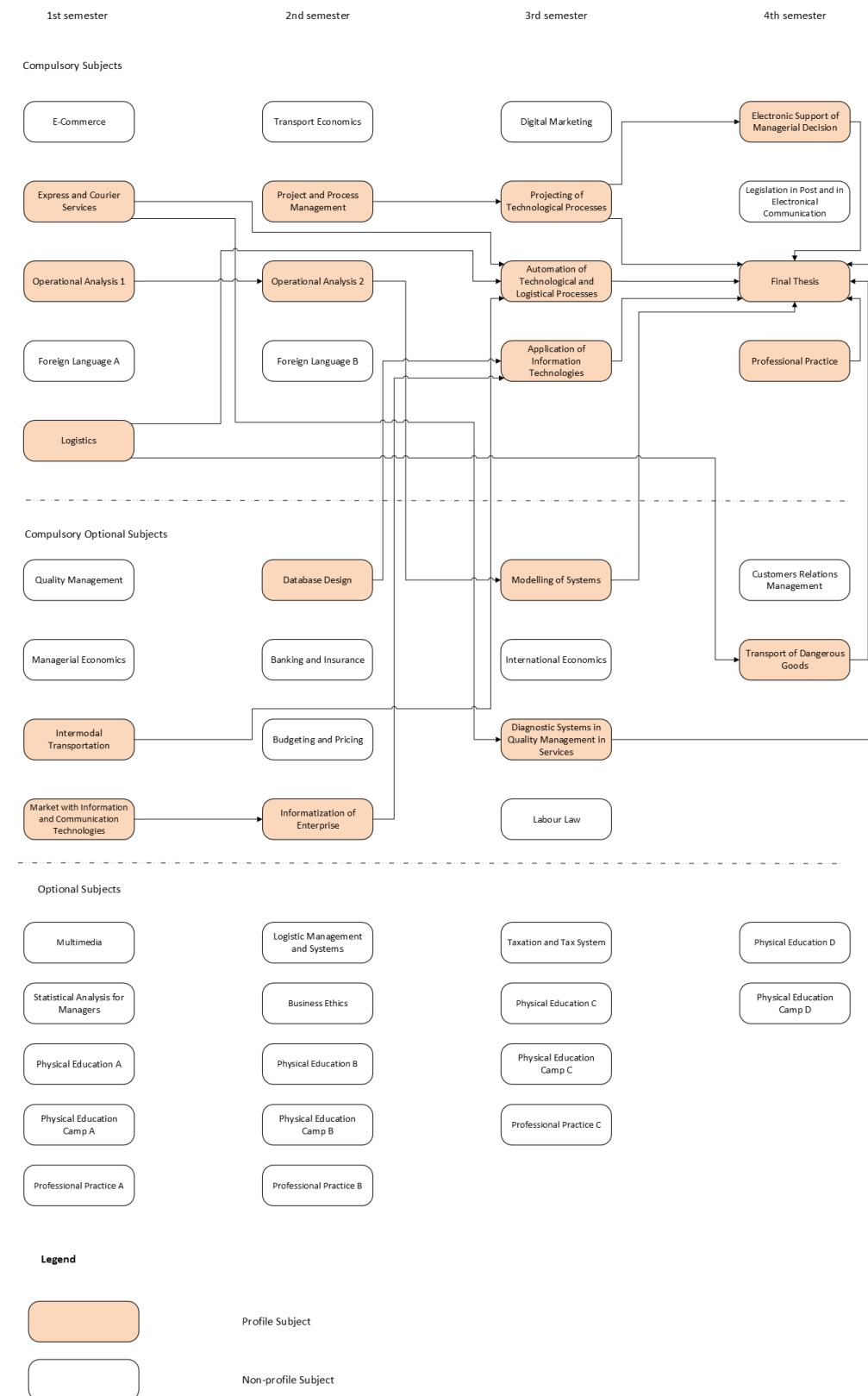
- 1324009 Manager in postal services
- 1324008 Manager in logistics
- 2421003 Project specialist (project manager)





Graduate's path in the field of operational-technical profiling:
Especially for indicated professions:

- 2149021 *Technical specialist in postal services*
- 2149020 *Technical specialist in logistics*



c, e

The study programme, in the structure of compulsory, compulsory optional and optional courses Profile courses of the relevant study path (specialization) within the study programme

The study plan for the Distribution Technologies and Services program is available at:
<https://akreditacia.uniza.sk/forms.php?id=2>



	<p>The student workload in a given subject in hours and the language in which the subject is or may be taught is part of the information sheet for each subject (https://akreditacia.uniza.sk/plany.php). The information sheet for a given subject is opened by clicking on the given subject in the study plan.</p>				
d	Number of credits, the achievement of which is a condition for proper completion of studies				
	120				
	Other requirements that the student must meet within the study programme and for its proper completion, including the requirements for state examinations, rules for re-study and rules for the extension, interruption of study				
	<p>Additional conditions that a student must meet during the study of the study program and for its proper completion, including the conditions of state exams, rules for repeating studies and rules for extending and interrupting studies, are listed in Directive No. 209 Study Regulations for the 1st and 2nd Stages of Higher Education Studies at UNIZA (https://www.fpedas.uniza.sk/images/uradna_tabula/smernica_209_2021.pdf) and as follows:</p> <ul style="list-style-type: none"> • Conditions during the study: the conditions that a student must meet during the study, when fulfilling the study plan, gradually acquiring credits and subsequently enrolling in the next year of study are listed in the information sheets of individual subjects in the section "Conditions for completing a subject" and in Directive No. 209, Art. 9 Verification of acquired knowledge, skills and competencies in the subject, assessment of study results, Art. 12 "Closing the year of study" and in Art. 13 "Enrollment in the next year of study"; • Conditions for the proper completion of studies: are set out in Directive No. 209, Art. 8 Enrollment and completion of subjects, Art. 16 "Proper completion of studies", Art. 19 State exams and Art. 22 "Course of state exams"; • Rules for repeating studies: are set out in Directive No. 209, Art. 12, para. 2 and para. 4, Art. 13, para. 9 and 10 and in Art. 23 "Repeated and substitute date of state exam"; • Rules for extension: are set out in Directive No. 209, Art. 2, para. 11 and 12, Art. 13, para. 13. <p>In individual phases of the study cycle, the study rules are implemented appropriately for the conditions of students with special needs, in particular the conditions of the admission procedure (Directive No. 209, Art. 5, Paragraph 5), the possibility of allowing an individual study plan (Directive No. 209, Art. 3, Paragraph 9) and the general conditions of study (Directive No. 209, Art. 11, Paragraph 27).</p> <p>Students with special needs have access to the UNIZA Counseling and Career Center. At FPEDAS UNIZA, the coordinator for students with special needs is Assoc. Ing. Eva Nedeliaková, PhD. (eva.nedeliakova@uniza.sk).</p>				
	<p>For individual study plans, the institution states the requirements for completing the individual parts of the study programme and the student's progress within the study programme in the given structure</p>				
	Proper completion of studies	Part of studies			
		1Y	2Y	3Y	4Y
	number of credits for compulsory courses required for proper completion of studies/completion of a part of studies	88			
	number of credits for compulsory optional courses required for the proper completion of studies/completion of a part of studies,	32			
	number of credits for optional courses required for the proper completion of studies/completion of a part of studies	-			
	number of credits required for the completion of studies/completion of a part of the studies for the common foundations and for the relevant specialization, in the case of a teaching combination study programme or a translation combination study programme	-			
	number of credits for the final thesis and the defense of the final thesis required for the proper completion of studies	15			



number of credits for professional practice required for the proper completion of studies/completion of a part of studies	3				
number of credits required for the proper completion of studies/completion of a part of the studies for project work with the indication of relevant courses in engineering study programmes	-				
number of credits required for the proper completion of studies/completion of a part of the studies for artistic performances in addition to the final thesis in art study programmes	-				
Rules for the verification of learning outcomes, students' assessment and the possibilities of appealing against the assessment					
<p><i>The rules for verifying learning outcomes and assessing students and the possibilities for corrective procedures against this assessment are set out in Directive No. 209 Study Regulations for the 1st and 2nd Cycles of Higher Education Studies at UNIZA (https://www.fpedas.uniza.sk/images/uradna_tabula/smernica_209_2021.pdf)</i></p> <p><i>The rules for verifying learning outcomes and assessing students are set out in Directive No. 209, Art. 9.</i></p> <p><i>The possibilities for corrective procedures against this assessment are set out in Directive No. 209, Art. 10.</i></p> <p><i>The rules for students of the study program Distribution Technologies and Services to access the means of remediation are:</i></p> <ol style="list-style-type: none"><i>1. The student has the right to refuse the continuous assessment and the assessment at the exam, except for the assessment FX - insufficient. Refusal of the assessment at the exam means the assessment FX, the next exam date is a correction date for him, if the student is entitled to another exam date. In such a case, the student's assessment is recorded in the AIVS UNIZA. Only the last assessment is displayed in the electronic study report.</i><i>2. If the student was assessed with the grade "FX - insufficient" at the exam, he can repeat the exam no more than twice (the first and second correction date), including the commission exam.</i><i>3. If the student was classified with the grade "FX - insufficient" at the first registration of a mandatory subject also in the second correction date, he must register for this subject again. If the student was classified with the grade "FX - insufficient" at the second registration of a mandatory subject also in the second correction date, the student is excluded from the study.</i><i>4. The student has the right, within one working day from the date of publication of the final assessment in the AIVS system for a given subject, to request a correction in writing, which consists in explaining the assessment results, while an electronic request via email is also permissible, but must be delivered to the teacher from the student's official university email address.</i><i>5. The teacher is obliged to make the result of the written exam available to the student within 3 working days, if the university educational platform is used, or to set a date for an oral consultation, usually during his/her consultation hours, at which the student will be allowed to review his/her assessed written work.</i><i>6. If the student does not pass the exam successfully even on the first retake date, he/she may request remediation again in accordance with paragraphs 1 and 2 of this article, and if he/she disagrees with the assessment, he/she may request the presence of the Vice-Dean for Education during the consultation and explanation of the assessment, or in the case of university-wide study programs, the director of the institute, who will entrust the guarantor of the relevant study program with the presence at the consultation for the assessment.</i><i>7. If the student does not pass the exam successfully even on the first retake date, he/she shall take the exam on the second retake date in the presence of two examiners, if the situation and UNIZA's capacity allow it.</i><i>8. If the student does not pass the exam successfully in a subject that he/she has registered for the second time (so-called transferred obligation) even on the first retake date, he/she shall take the exam on the second retake date in the presence of two examiners.</i><i>9. A student may request a commission exam only if the internal regulations of UNIZA have been violated during the evaluation process of a given subject, then the subject guarantor will determine the conduct of the commission exam.</i><i>10. The members of the commission exam committee are appointed by the vice-dean for education in cooperation with the subject guarantor for study programs at the faculty and the vice-rector for education in cooperation with the subject guarantor for university-wide study programs.</i>					



	<p>11. A student has the right to request correction of the student's ongoing evaluation during the semester, and shall immediately request the opinion of the teacher, who is obliged to explain the evaluation to him. If the student does not agree with this explanation, he is entitled to request the opinion of the vice-dean for education or vice-rector for education for university-wide study programs, who will provide it in cooperation with the study program guarantor within 15 calendar days.</p>
f	<p>Conditions for the recognition of studies or a part of studies</p> <p>The conditions for the recognition of studies or parts of studies are set out in Directive No. 209 Study Regulations for the 1st and 2nd Cycles of Higher Education Studies, Art. 15 and Art. 7 (https://www.fpedas.uniza.sk/images/uradna_tabula/smernica_209_2021.pdf) and in the case of foreign mobility, they are set out in Directive No. 219 Mobility of Students and Employees of the University of Žilina in Žilina Abroad (https://uniza.sk/index.php/univerzita/vseobecne-informacie/vnutorny-system-kvality).</p> <p>The following conditions apply to the recognition of studies or parts of studies (excluding completion of studies within the framework of foreign mobility):</p> <ol style="list-style-type: none">1. A change of study program to a study program carried out within the same study field at the faculty or within the university-wide study programs at the university may be permitted to a student of the same or another faculty of UNIZA or a student admitted to study from another higher education institution in accordance with the provisions of the Higher Education Act on the basis of his/her written application. The application is decided by the dean/rector after considering the faculty's capacity possibilities as well as after a prior written opinion of the guarantor of the new study program, who will assess the applicant's previous course of study. The change is usually made before the start of the semester.2. For students after a change of study program according to paragraph 1 of this article, the credits obtained by studying in the previous study program shall be recognized by the student in the new study program, if they were obtained within the previous maximum of 3 years. The decision on the recognition of credits shall be made by the guarantor of the study program after a prior positive assessment of their relevance for this study program.3. The guarantor of the relevant study program for which the student has applied for enrollment as part of the requested change will determine the student's differential exams and the dates for their implementation if the student has not completed all the exams specified in the study plan of this study program.4. A change of study program in a field other than the same field of study can only be carried out through a new admission procedure. In the new study program, based on the student's written request, fulfilled obligations from the previous study in terms of ECTS will be recognized.5. Pursuant to Section 59 of the Higher Education Act, a student of a study program may, during his/her studies, apply in writing for enrollment in a study program in the same field of study at another faculty or another higher education institution. <p>The following conditions apply to the recognition of studies or parts of studies within the framework of foreign mobility:</p> <ol style="list-style-type: none">1. A student may complete a part of the study according to the approved study plan outside the faculty or, respectively, outside UNIZA (for students of university-wide study programs), in which he/she is enrolled. The student's study plan is approved by the dean of the faculty/rector, depending on where the student is enrolled.2. Completion of a part of the study at another higher education institution is subject to:<ol style="list-style-type: none">a. an application for exchange studies and confirmation of acceptance by the partner institution (foreign mobility or internship),b. an agreement between individual partner institutions on the study (in the case of cooperation between UNIZA and another partner institution that has an accredited study program in a given field of study at the partner institution or a similar field of study at a foreign partner institution, and that has a certified/accredited internal system of higher education quality or in accordance with ESG 2015),c. an agreement between individual partner institutions on a joint study programme, which is also jointly accredited as a joint study programme in accordance with the internal system of quality assurance of higher education at UNIZA,d. a statement of study results in the case of letters a) to c) of this paragraph.3. To ensure student mobility, as well as studies in accordance with paragraph 8 letters b) and c) of this article, the faculty coordinator is designated as the main coordinator, who is the vice-dean for development and international relations: doc. Ing. Martin Bugaj, PhD. (martin.bugaj@uniza.sk).4. Courses completed at the receiving school are recognized at the faculty by the vice-dean for education or, in the case of courses completed abroad, by the vice-dean for development and international relations, to the student on the basis of an application, which will include a statement of study results, which the receiving higher education institution will prepare for the student at the end of his/her studies, as well as information sheets or syllabi of the courses completed. The course evaluation and the date of the evaluation are recorded in the AIVS.



	<p><i>The application and related documentation become part of the student's personal study documentation maintained by the Education Office.</i></p>
g	<p>Topics of final theses of the study programme (or a link to the list)</p> <p><i>Study program has no final thesis in English language.</i></p> <p><i>Here is a list of final thesis in Slovak version of study program – Postal Engineering (last 6 academic years: Academic year 2023/2024</i></p> <ul style="list-style-type: none">• - <p><i>Academic year 2022/2023</i></p> <ul style="list-style-type: none">• <i>Kritériá výberu a obľúbenosť jednotlivých spôsobov doručenia</i>• <i>Racionalizácia prepravnej siete v pôsobnosti regionálneho distribučného centra Banská Bystrica</i>• <i>Návrh motivačného systému kuriérov vybraného poštového podniku ako nástroj zvýšenia efektívnosti procesu doručovania balíkov</i>• <i>Návrh riešenia distribučného systému vo vybranom podniku</i>• <i>Návrh koncepcie riadenia ľudských zdrojov zohľadňujúcej potreby a očakávania jednotlivých generácií zamestnancov vo vybranom poštovom podniku, s ohľadom na vývojové tendencie a potrebu pracovnej sily v poštovom sektore</i> <p><i>Academic year 2021/2022</i></p> <ul style="list-style-type: none">• <i>Návrh nových možností dodávania zásielok</i>• <i>Výber poskytovateľa poštových služieb</i>• <i>Zmeny v nákupnom správaní sa zákazníka poštového podniku</i> <p><i>Academic year 2020/2021</i></p> <ul style="list-style-type: none">• <i>Štúdia skutočných tokov poštových zásielok s geografickou stratifikáciou</i> <p><i>Academic year 2019/2020</i></p> <ul style="list-style-type: none">• <i>Návrh implementácie RFID systému na dron v poštovom sektore</i>• <i>Štúdia skutočných tokov poštových zásielok s geografickou stratifikáciou riešené v hlavnom spracovateľskom stredisku Žilina.</i>• <i>Uplatnenie štatistických nástrojov riadenia kvality v prostredí poštového podniku</i>• <i>Inteligentná poštová schránka ako kontaktné miesto poštovej siete</i>• <i>Návrh poskytovania nových služieb poštového operátora obyvateľstvu vo vybranom regióne</i>• <i>Podpora predaja vybraných poštových produktov</i>• <i>Lojalita zákazníka v podmienkach vybraného poštového operátora</i>• <i>Manažment projektu a jeho využitie pri návrhu nového produktu alternatívneho poštového operátora.</i>• <i>Návrh metodiky experimentálneho testovania na vybranom pracovisku poštového podniku</i> <p><i>Academic year 2018/2019</i></p> <ul style="list-style-type: none">• <i>Brainstorming v podmienkach poštového podniku</i>• <i>Imidž poštového podniku ovplyvňujúci nákupné správanie sa vybraného typu digitálneho zákazníka</i>• <i>Návrh webovej stránky pre podporu rozvoja vzdelávania vo vybranej vzdelávacej inštitúcii</i>• <i>Možnosti a riziká franchisingových systémov v oblasti poštových služieb</i>• <i>Návrh nových elektronických služieb poskytovaných cez webový portál poštového operátora</i>• <i>Kvantifikácia vplyvu Industry 4.0 na pracovné prostredie zamestnancov pracujúcich v terciárnom sektore národného hospodárstva</i>• <i>Skúmanie závislosti vnímania kvality poštových služieb zákazníkom od charakteru jeho bydliska</i>• <i>Lokalizácia dopravných prostriedkov s využitím technológií IoT vo vybranom logistickom podniku</i>• <i>Využitie umelej inteligencie v poštových podnikoch</i>• <i>Riešenie systému tvorby frontu na poštách</i>• <i>Návrh inovácie služieb pošty pre obyvateľov vo vybranom regióne.</i>• <i>Návrh elektronickej služby pre národného poštového operátora v Slovenskej republike</i>• <i>Návrh využitia mobilných aplikácií v poštovom podniku.</i>• <i>Návrh spracovania zásielok na vybranom hlavnom spracovateľskom stredisku Slovenskej pošty, a.s.</i>• <i>Služby e-Governmentu poskytované národným poštovým operátorom v Českej republike</i>• <i>Moderná pošta</i>• <i>Možnosti poskytovania finančných služieb prostredníctvom Slovenskej pošty, a.s.</i>• <i>Návrh metodiky implementácie RFID technológie pre špecifické požiadavky logistických podnikov</i>• <i>Ponuka a dopyt poštových služieb v rámci ich dostupnosti v meste Košice</i>
h ; 7.e-f	<p>Rules for the assignment, processing, opposition, defence and evaluation of final theses in the study programme; list of the supervisors of final theses with the assignment to topics (indicating the contact details)</p>



The state exam in the study program *Distribution Technologies and Services* includes the preparation, submission and defense of the final thesis before the examination board.

The rules for assigning, processing, opposing, defending and evaluating final theses in the study program are set out at the faculty and university level in Directive No. 209 Study Regulations for the 1st and 2nd Degrees of University Studies at UNIZA –

<https://uniza.sk/images/pdf/kvalita/2023/smernica-UNIZA-c-209-dodatok-1-a-4.pdf>.

The rules for assigning, processing and opposing final theses at the faculty are:

1. The final thesis verifies the knowledge, skills and competencies that the student has acquired during his/her studies and his/her ability to use them in solving tasks and specific problems related to the field of study.

2. The final thesis and its defense form the subject of the state examination and are valued at 15 credits.

3. The topic of the final thesis is related to the content of the studies that the student completes, the study program and the study program. It is based on the scientific research activities of the department, faculty, university and the needs of practice.

4. The final thesis is a diploma thesis in the master study program in *Distribution Technologies and Services*.

5. The topic of the final thesis is chosen by the student from the topics published by the department providing the study program in *Distribution Technologies and Services* by the deadline specified in the faculty academic calendar. After this deadline, the topic of the final thesis will be assigned to the student.

6. The student can propose the topic of his/her final thesis by the deadline specified in the faculty academic calendar; the topic must meet the requirements and requirements of the final thesis.

7. The final thesis assignment will be handed over to the student by the department that provides the study program *Distribution Technologies and Services* no later than the end of October of the winter semester in the last year of study.

8. The supervisor of the final thesis specifies the solution of the final thesis topic, its scope, recommends study and information sources, guides the student in working on the topic, assesses the final thesis and the student's work, and also expresses his/her opinion on the degree of originality of the final thesis in his/her written assessment. The procedure and details are set out in Directive No. 215 on final, rigorous and habilitation theses in the conditions of the University of Žilina in Žilina (<https://www.uniza.sk/index.php/smernice-pre-vnutorny-system-kvality-uniza>).

9. The head of the department where the topic was assigned will appoint an opponent (and a consultant if necessary) for each final thesis. They will be appointed from among professors, associate professors, assistant professors working in the field of study, researchers from outside UNIZA, and experts with the necessary qualifications from practice. The opponent of the final thesis assesses and classifies the final thesis in his/her written report.

10. The principles of writing final theses, formal requirements and the method of checking originality are based on the valid *Methodological Guidelines of the Ministry of Education, Science and Technology of the Slovak Republic* on the requirements of final theses, their bibliographic registration, storage and access.

11. In the diploma thesis, the student's solution must include, in particular, a high-quality analysis of the problem under investigation, the development of alternative proposals for solving the problem in a broader context beyond the given field, supported by a high-quality analysis, the evaluation of proposals and the formulation of justifications for recommendations for a specific solution/solutions, or in the case of technical fields, the development of a recommended proposal. A student of the 2nd level of university studies must demonstrate by writing a final thesis that he or she can use the acquired knowledge and has the ability to creatively solve problems in new or unfamiliar environments, in broader contexts beyond his or her field of study. He or she has the ability to integrate knowledge and formulate decisions.

12. In accordance with the provisions of the Act on Higher Education, the student must submit the diploma thesis in electronic form to the Central Register of Final, Rigorous and Habilitation Theses (hereinafter referred to as the "CRZP") and the level of originality of the submitted thesis will be verified based on the information from the CRZP. Details are regulated by Directive No. 215 on Final, Rigorous and Habilitation Theses under the UNIZA Conditions (<https://www.uniza.sk/index.php/smernice-pre-vnutorny-system-kvality-uniza>).

13. The student shall submit the diploma thesis no later than the deadline specified in the faculty academic calendar:

<https://fpedas.uniza.sk/sk/studenti/vseobecne-informacie/akademicky-kalendar>.

The rules for organizing and conducting state exams at the faculty are:

State exams



1. State exams verify whether the student has acquired the knowledge and skills required by the study plan and whether he is prepared to perform the profession. Studies in the engineering study program in Distribution Technologies and Services are completed by a state exam.
2. State exams are held in accordance with the provisions of the Higher Education Act. The state exam consists of a final thesis and its defense in accordance with the description of the study program in Distribution Technologies and Services.
3. A student may take the state exam only after fulfilling all other study obligations prescribed by the study program.
4. A student may repeat the state exam, i.e. the final thesis, a maximum of twice, by the deadline of the longest possible period of study, which is equal to the standard length of the study program increased by two years.
5. The organization of state exams in the study program is ensured by the department that provides the study program Distribution Technologies and Services in cooperation with the Education Department. Details are determined by the faculty through methodological guidelines, which are placed on the faculty website in the INTRANET tab and which are addressed to the study advisors of individual study programs, who also communicate them with explanations to students.
6. The student must pass the state exam (including its possible repetition) no later than the deadline limited by the maximum period of study, which is equal to the standard length of the study program increased by two years.

Examination Board

1. The state exam is taken by the student in one session before the examination board for conducting state exams (hereinafter referred to as the "examination board"). The examination board is composed of a chairman and at least three other members. The examination board is appointed by the dean.
2. Only university teachers working in the positions of professor and associate professor and other experts within the meaning of the Act on Universities approved by the Faculty's Scientific Council have the right to examine in the state exam. The examination boards for conducting state exams also include prominent experts in the given field of study from other universities, from legal entities conducting research and development in the Slovak Republic or from practice, as well as prominent experts in a similar field of study from abroad who are approved by the Faculty's Scientific Council.
3. At least two members of the examination board are university teachers working in the positions of professor or associate professor.

Preparation for state exams

1. State exams are held on the dates specified in the faculty academic calendar, which is published on the faculty website
2. The head of the department that provides the study program Distribution Technologies and Services will allow the student to familiarize himself with the assessment of the supervisor and opponent of the final thesis on the date specified in the faculty academic calendar, but no later than three days before the date of the defense.
3. The student registers for the state exam at the department no later than the date specified in the faculty academic calendar.
4. The department will publish the state exam schedule no later than a week before the start of the state exams.

State Examination Procedure

1. State examinations are public.
2. The state examinations are managed by the chairman of the examination committee and the chairman of the examination committee is responsible for the activities of the examination committee.
3. State examinations are held in the presence of the chairman and at least three other members of the examination committee.
4. When defending the final thesis, the student presents the results achieved in the final thesis, comments on the assessment of the supervisor and opponent of the final thesis and answers questions about the final thesis.
5. The supervisor of the final thesis and the opponent usually also participate in the defense of the final thesis. Their participation is not a necessary condition for holding the state examination.
6. The examination committee decides on the result of the state examination and the overall result of the study.
7. The subject of the state examination is assigned credits. The number of credits for defending the final thesis is specified in the curriculum of the study program Distribution Technologies and Services, in the amount of 15 credits.
8. When classifying, the examination committee also takes into account the study results throughout the entire university study.



9. The result of the state examination is classified verbally by grades in accordance with the internal regulations of the faculty/institute: "excellent", "insufficient", "passed" - in all other cases.
10. The overall study result is classified verbally by grades: a) "passed with distinction" - if the student took the state examination with the classification "excellent" and achieved an overall weighted average grade: in the 2nd stage of study: max. 1.2 (1.4 if at least one semester of study was completed abroad), "failed" - if the student took the state examination with the classification "insufficient", "passed" - in all other cases.
11. The committee decides on the classification of the state examination, as well as the classification of the overall study result, by voting at a closed session on the day of the state examination. In the event of a tie, the vote of the committee chair shall be decisive. The classification of the final thesis defense, the overall result of the state exam and the overall study result shall be announced to the student by the committee chair on the day of the state exam.
12. A report shall be drawn up of the state exam of each student, which shall be signed by the chair and the members of the examination committee present.
13. The grade of the final thesis defense shall be entered into the student's electronic study record in the AIVS by the chair of the committee, or a person authorized by the chair - the secretary of the committee.
14. If a student fails to appear for the state exam on the specified date (regular or make-up date) and fails to justify his/her absence in writing within 5 calendar days of this date, he/she shall be classified as "insufficient".

Repeated and substitute date of the state exam

1. A student who was classified with the grade "FX - insufficient" in the state exam may repeat the state exam no more than twice, while the state exam commission shall determine in the state exam record:
- reworking of the final thesis;
 - changing the topic of the final thesis;
2. A student who was classified as "FX - insufficient" in the state exam may apply for a repeat exam at the earliest on the next state exam date set by the faculty academic calendar or the faculty dean, but not earlier than two months after the regular or first retake date in which he/she failed.
3. In the event that the faculty dean sets the state exam date, the state exam date is set by the faculty academic calendar or the faculty dean. The date must be announced by the head of department no later than 30 calendar days before the state exam.
4. A student who was classified as "FX - insufficient" in the state exam on the second retake date will be expelled from the study by the faculty dean for failure to meet the requirements arising from the study program and the study regulations of the university and faculty; the date of completion of studies is the date on which the decision becomes legally binding.
5. For a student who has not arrived on the specified date to take the state exam or to repeat it and whose absence has been excused no later than 5 calendar days after the state exam, the dean of the faculty will determine an alternative date for the state exam and will notify the student through the head of the department no later than 30 calendar days before its date.
6. A student who has postponed state exams or is repeating state exams must register for the next exam date. If these are not in the given academic year, he must register for the next year of study and pay tuition. He may interrupt his studies for the period until the state exams are taken.

Complete documentation is stored at the Education Department of FPEDAS UNIZA:

- Records of the course of study, records of the state exam
- Records of the student's life cycle - student folder
- Records of the completion of studies and the issuance and submission of documents on the completion of studies - graduate book
- Records of other than the proper completion of studies - abandonment, interruption of studies.

i	<p>Opportunities and procedures for participation in student mobility</p> <p>At the university level, these procedures are listed in Directive No. 219 – Mobility of students and employees of the University of Žilina abroad https://uniza.sk/images/pdf/kvalita/2021/smernica-UNIZA-c-219.pdf.</p> <p>Within the study program Distribution Technologies and Services, the following options and procedures for participating in student mobility are created:</p> <p>1. The study program allows for appropriate education outside the university in domestic and foreign academic institutions, as well as recognition of results achieved at these institutions. All necessary documents are available to students on the UNIZA and FPEDAS websites: Information for students about studying abroad: https://www.fpedas.uniza.sk/sk/studenti/vseobecne-informacie/studium-v-zahranici</p>
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and Information about Erasmus mobility:

<https://www.fpedas.uniza.sk/sk/studenti/vseobecne-informacie/erasmus>

2. Completing part of the study at another university is conditional on:

- a) an application for exchange studies and confirmation of acceptance by the partner institution (foreign mobility or internship),
- b) an agreement between individual partner institutions on studies (in the case of cooperation between UNIZA and another partner institution that has an accredited study programme in a given field of study at the partner institution or a similar field of study at a foreign partner institution, and that has a certified/accredited internal quality system for higher education or in accordance with ESG 2015),
- c) an agreement between individual partner institutions on a joint study programme, which is also jointly accredited as a joint study programme in accordance with the internal quality assurance system for higher education at UNIZA,
- d) a statement of study results in the case of letters a) to c) of this paragraph.

3. To ensure student mobility and study in the faculty study program, the main coordinator is the faculty coordinator, who is the vice-dean for development and foreign relations.

4. The coordinator's role is to organize partnership, mostly international cooperation in the educational field, solve tasks related to sending and accepting students, and provide advisory services on study options.

5. When studying at another university in the Slovak Republic or abroad, a contract is concluded between the student, the relevant UNIZA faculty or UNIZA and the partner institution that provides the study. Details are set out in the Decree of the Ministry of Education, Science and Technology of the Slovak Republic on the Credit System of Study. The contract is concluded before the student enters the receiving university.

6. The courses completed at the receiving school are recognized at the faculty by the Vice-Dean for Education or, in the case of courses completed abroad, by the Vice-Dean for Development and Foreign Relations, to the student based on an application, which will include a statement of study results, which the receiving higher education institution will prepare for the student at the end of his/her studies, as well as information sheets or syllabi of the completed courses. The evaluation of the course is recorded in the AIVS. The application and the related documentation become part of the student's personal study documentation maintained by the Education Office.

7. To properly complete studies in a bachelor's study program, a minimum of 180 credits is required, in the case of a standard study length of four years, 240 credits, in an master study program, 120 credits.

8. Credits obtained for successfully completing a course may be included in the total number of credits within 3 years from the date of completion of this course.

Responsible persons:

prof. Ing. Radovan Madleňák, PhD. – guarantor of the study program (radovan.madlenak@uniza.sk)

doc. Ing. Katarína Valášková, PhD. – vice-dean for education (katarina.valaskova@uniza.sk)

The following employees are assigned to FPEDAS for students, who provide consultations on mobility:

- doc. Ing. Martin Bugaj, PhD. - faculty Erasmus+ coordinator: tel.: +421/41/513 34 56, e-mail: martin.bugaj@uniza.sk

- Ing. Vladimír Šalaga, PhD. - mobility coordinator at FPEDAS: tel.: +421/41/513 30 62, e-mail: vladimir.salaga@uniza.sk

Rules for adherence to academic ethics and rules for drawing consequences

Students of the Distribution Technologies and Services study program are guided to adhere to the principles of academic ethics as part of their education:

UNIZA has a formalized code of ethics for employees through Directive No. 207 Code of Ethics of the University of Žilina in Žilina:

- principles for UNIZA students are set out in Art. 7. Directive No. 207. This directive expresses the basic moral and ethical requirements for the academic community and other university employees in accordance with the Constitution of the Slovak Republic, Act No. 131/2002 Coll. on Higher Education Institutions, as amended, the University Statute and other regulations.
- Any violation of academic ethics and subsequent measures are resolved by the University Ethics Committee, which is appointed by the Rector.
- In connection with compliance with the Code of Ethics, every member of the academic community and university employee has the right to submit a complaint to the Chairman of the Ethics Committee.
- A complaint about a violation of the Code of Ethics may be filed by any UNIZA employee, faculty employee, UNIZA student or any other person who has learned about the actions of a student or employee of UNIZA that could be a violation of the Code of Ethics, by submitting it to the Chairman of the Ethics Committee.
- In the event of a violation of the Code of Ethics, the opinion of the Ethics Committee will contain a recommendation or a proposal for corrective measures for further action by the bodies responsible for decision-



making, which are the rector, dean or other head of the UNIZA component in accordance with the UNIZA Organizational Regulations.

The result of the discussion of the Ethics Committee may also be a recommendation for action in accordance with Section 108f et seq. of Act No. 131/2002 Coll. on Higher Education, as amended, i.e. the invalidation of the state examination or its component by the rector of the university.

• Student conduct against the principles of academic ethics, violation of the principles set out in Article 7 of Directive No. 207, in particular plagiarism in final theses, seminar papers, use of unauthorized practices during examinations, etc. may lead from the assessment of the study of a given subject with a grade of "FX" to disciplinary proceedings pursuant to Directive No. 201 Disciplinary Procedure for Students of the University of Žilina in Žilina, which defines a "disciplinary offence" as a culpable violation of legal regulations or internal regulations of UNIZA and its components, or public order and at the same time defines actions that constitute a disciplinary offence (Directive No. 201, Article 2).

The rules for observing academic ethics and drawing consequences at UNIZA are therefore regulated by:

• Directive 207 – Code of Ethics of the University of Žilina in Žilina:

https://www.uniza.sk/images/pdf/uradna-tabula/smernice-predpisy/2024/03062024_S-207-2021-Eticky-kodex-UNIZA-v-zneni-Dodatku-c-1.pdf

• Directive 201 – Disciplinary Rules for Students of the University of Žilina in Žilina:

https://www.uniza.sk/images/pdf/uradna-tabula/smernice-predpisy/2021/02092021_S-201-2021-Disciplinarny-poriadok-pre-studentov-UNIZA.pdf

• Disciplinary Committee of FPEDAS:

<https://fpedas.uniza.sk/sk/fakulta/vseobecne-informacie/organy-fakulty>

• Directive No. 215 on final, rigorous and habilitation theses in the conditions of the University of Žilina in Žilina:

<https://www.uniza.sk/images/pdf/kvalita/2021/smernica-UNIZA-c-215.pdf>

• Directive No. 226 on authorial ethics and the elimination of plagiarism in the conditions of the University of Žilina in Žilina:

<https://www.uniza.sk/images/pdf/kvalita/2021/smernica-UNIZA-c-226.pdf>

Procedures applicable to students with special needs

At the university level, the above procedures are defined by Directive No. 198 Support for applicants for study and students with special needs at the University of Žilina in Žilina and Directive No. 209 Study Regulations for the 1st and 2nd cycle of higher education at UNIZA.

UNIZA and the faculty provide individualized support and create appropriate conditions for students with special needs in the study program

In individual phases of the study cycle, the study rules are appropriately applied to the conditions of students with special needs, in particular the conditions of the admission procedure, the possibility of allowing an individual study plan and the overall conditions of study.

The procedures applicable to students with special needs of a given study program are:

- In the case of study programs, the dean may allow students with special needs or serious health problems to study according to an individual study plan (hereinafter referred to as "ISP").

- The ISP is prepared by the student in cooperation with the guarantor of the study program and approved by the dean or vice-dean for education in cooperation with the guarantor of the study program.

- The conditions of study according to the ISP must be agreed with the teachers, if possible, no later than the first week of the relevant semester. The ISP must enable the student to acquire the same knowledge in the subjects of study as the standard study plan when using other forms and methods of teaching.

- If an applicant for studies with special needs is obliged to take an entrance exam, based on his/her request and after evaluating his/her specific needs in accordance with §100, paragraph 9, letter b) of the Higher Education Act, the dean or vice-dean The Vice-Dean for Education shall determine the form of the entrance examination and the method of its implementation, taking into account his specific needs and in accordance with Directive No. 198 Support for Applicants for Study and Students with Specific Needs at the University of Žilina in Žilina.

- In justified cases, the Dean may, at the student's request, allow an individual form of study organization for students with specific needs and students from disadvantaged social backgrounds in accordance with Directive No. 198 Support for Applicants for Study and Students with Specific Needs at the University of Žilina in Žilina.

- A student may apply for inclusion in the register of students with specific needs if he agrees to the assessment of specific needs. The application shall be submitted to the relevant faculty coordinator at the beginning of the academic year.

The application shall be accompanied by relevant documents, which are:

a) a medical certificate not older than three months, which is mainly a medical finding, a report on the course and development of the disease and disability or an extract from the medical documentation, or



b) a statement from a psychologist, speech therapist, school psychologist, school speech therapist or special educator.

- The Dean issues, based on the recommendation of the Special Needs Assessment Committee, a decision to grant the status of a student with special needs for the entire duration of the study program at a given level. This document is used by the student to identify himself in communication with university teachers and other university employees as needed.

- In some cases, upon the recommendation of the Special Needs Assessment Committee, a decision to grant the status of a student with special needs for one academic year may be issued, for students with special needs whose health is expected to improve.

- A student with specific needs is entitled to support services at the university, depending on the extent and type of specific need, pursuant to Section 100, paragraph 4 of the Higher Education Act. Reasonable adjustments and support services are provided for the entire period of study of the given study program.

Students have the opportunity to familiarize themselves with their rights, information on the provision of support services and the necessary forms on the university and faculty website (<https://uniza.sk/index.php/studenti/vseobecne-informacie/studenti-so-specifickymi-potrebami>).

Students with special needs have access to the UNIZA Counselling and Career Centre, as well as psychological counseling (<https://www.uniza.sk/index.php/studenti/prakticke-informacie/poradenske-a-karierne-centrum-uniza>).

At FPEDAS UNIZA, the coordinator for students with special needs is Assoc. Ing. Eva Nedeliaková, PhD., eva.nedeliakova@uniza.sk, tel.: +421 41 513 3409

Procedures for filing complaints and appeals by students

At the university level, these procedures are defined in Directive No. 209 Study Regulations for the 1st and 2nd Degrees of Higher Education at UNIZA <https://uniza.sk/images/pdf/kvalita/2023/smernica-UNIZA-c-209-dodatok-1-a-4.pdf>.

Students of a given study program have sufficient mechanisms for reviewing complaints in order to assert their rights:

- the existence of a box for submitting anonymous complaints,
- complaints submitted to their representative in the Academic Senate of FPEDAS at the Department for Education, the pedagogical secretary, the head of the department, the vice-dean for education and the dean. The Dean of the Faculty deals with every suggestion, whether it is an anonymous or non-anonymous suggestion,
- students can submit their suggestions at a meeting with the Dean, which is regularly organized by the student part of the FPEDAS academic senate, the proceedings of which are published on the faculty Facebook or website: <https://fpedas.uniza.sk/sk/studenti/vseobecne-informacie/oznamy>.
- students can also write their criticisms and suggestions as part of the quality research, which is carried out at the faculty in the e-learning application after each teaching part of the semester, where students can anonymously express their opinion on the quality of the teacher's approach and the quality of the teaching itself using a rating scale of 1-5, and at the same time by providing a comment on the evaluated area,
- students will also be able to address their suggestions to their representatives in the Council of the study program Distribution Technologies and Services for Master Studies.

The examination of the suggestions is transparent and is carried out with the participation of student representatives. <https://uniza.sk/images/pdf/kvalita/2023/smernica-UNIZA-c-209-dodatok-1-a-4.pdf>.

On an informal level, students can also take advantage of a meeting with the faculty management, information is available at: <https://fpedas.uniza.sk/sk/studenti/vseobecne-informacie/oznamy/kava-s-dekanom>

Results of research on the quality of teaching and the approach of the teacher:

<https://fpedas.uniza.sk/sk/fakulta/vseobecne-informacie/kvalita-vzdelavania>

5. Course information sheets of the study programme (In the structure according to Decree no. 614/2002 Coll)

The list of subjects of the study program Distribution Technologies and Services is published at <https://akreditacia.uniza.sk/index.php>.

The information sheets of the subjects are at: <https://akreditacia.uniza.sk/plany.php>



in the section "curriculum plans", where after clicking on the given study course the relevant information sheet will open.

List of subjects of study program Distribution Technologies and Services:

1. year

winter semester

[1I2M102 Operational Analysis 1](#)

[1I2P106 Foreign Language A](#)

[1I2S106 Express and Courier Services](#)

[1I2S107 E-Commerce](#)

[1I2V101 Logistics](#)

[1I2C102 Quality Management](#)

[1I2S105 Market with Information and Communication Technologies](#)

[1I2S207 Managerial Economics](#)

[1I2Z109 Intermodal Transportation](#)

[1I2E107 Statistical Analysis for Managers](#)

[1I2P001 Physical Education A](#)

[1I2P002 Physical Education Camp A](#)

[1I2S110 Professional Practice A](#)

[1I2S204 Multimedia](#)

summer semester

[1I2L158 Transport Economics](#)

[1I2M151 Operational Analysis 2](#)

[1I2P157 Foreign Language B](#)

[1I2S152 Project and Process Management](#)

[1I2S153 Banking and Insurance](#)

[1I2S155 Database Design](#)

[1I2S156 Budgeting and Pricing](#)

[1I2S159 Informatization of Enterprise](#)

[1I2C156 Logistic Management and Systems](#)

[1I2E162 Business Ethics](#)

[1I2P003 Physical Education B](#)

[1I2P004 Physical Education Camp B](#)

[1I2S158 Professional Practice B](#)

2. year

winter semester

[1I2S203 Digital Marketing](#)

[1I2S208 Application of Information Technologies](#)

[1I2S212 Projecting of Technological Processes](#)

[1I2V202 Automation of Technological and Logistical Processes](#)

[1I2L213 Labour Law](#)

[1I2S104 International Economics](#)

[1I2S206 Diagnostic Systems in Quality Management in Services](#)

[1I2S214 Modelling of Systems](#)

[1I2E210 Taxation and Tax system](#)

[1I2P005 Physical Education C](#)

[1I2P006 Physical Education Camp C](#)

[1I2S216 Professional Practice C](#)

summer semester

[1I2S255 Electronic Support of Managerial Decision](#)

[1I2S256 Legislation in Post and in Electronical Communication](#)

[1I2S259 Professional Practice](#)

[1I2S260 Final Thesis](#)

[1I2C251 Transport of Dangerous Goods](#)



1I2S251 Customers Relations Management 1I2P007 Physical Education D 1I2P008 Physical Education Camp D

6. Current academic year plan and current schedule	
Current academic year plan 2024/2025	https://fpedas.uniza.sk/images/studium/akademicky_kalendar_fpedas_2024_2025.pdf
Current schedule 2024/2025	https://vzdelavanie.uniza.sk/vzdelavanie/rozvrh2.php

7. Persons responsible for the study programme			
A	A person responsible for the delivery, development, and quality of the study programme (indicating the position and contact details) <i>Name, surname, titles: Radovan Madleňák, prof. Ing., PhD.</i> <i>Position: professor</i> <i>Function: Deputy Head of the Department of Communications, Head of the Department of Electronic Communications and Services</i> <i>Contact (e-mail, tel.): radovan.madlenak@uniza.sk; 041/513 3124</i>		
b – c	List of persons responsible for the profile courses of the study programme		
	Name, Surname, titles on the position of the associated professor or professor	Profile course name	Additional information
	<i>prof. Ing. Radovan Madleňák, PhD.</i>	<i>E-Commerce</i> <i>Database Design</i> <i>Digital Marketing</i> <i>Final Thesis</i>	
	<i>Dr. h. c. prof. Ing. Tatiana Čorejová, PhD.</i>	<i>International Economics</i>	
	<i>prof. Ing. Anna Tomová, CSc.</i>	<i>Transport Economics</i>	
	<i>prof. Ing. Jana Štofková, CSc.</i>	<i>Banking and Insurance</i>	
	<i>prof. Ing. Juraj Vaculík, PhD.</i>	<i>Application of Information Technologies</i>	
	<i>prof. Ing. RNDr. Karol Achimský, CSc.</i>	<i>Modelling of Systems</i>	
	<i>doc. Ing. Andrej Dávid, PhD.</i>	<i>Logistics</i>	
	<i>doc. Ing. Dr. Margita Majerčáková</i>	<i>Professional Practice</i>	
	<i>doc. Ing. Iveta Kremeňová, PhD.</i>	<i>Market with Information and Communication Technologies</i> <i>Project and Process Management</i> <i>Informatization of Enterprise</i> <i>Projecting of Technological Processes</i>	
	<i>doc. Ing. Juraj Jagelčák, PhD.</i>	<i>Transport of Dangerous Goods</i>	



	<i>doc. Ing. Lucia Madleňáková, PhD.</i>	<i>Express and Courier Services</i>		
		<i>Electronic Support of Managerial Decision</i>		
		<i>Legislation in Post and in Electronical Communication</i>		
	<i>doc. Ing. Mariana Strenitzerová, PhD.</i>	<i>Diagnostic Systems in Quality Management in Services</i>		
		<i>Customers Relations Management</i>		
	<i>doc. Ing. Martin Jurkovič, PhD.</i>	<i>Automation of Technological and Logistical Processes</i>		
	<i>doc. Ing. Miriam Jankalová, PhD.</i>	<i>Managerial Economics</i>		
		<i>Budgeting and Pricing</i>		
	<i>doc. Ing. Vladimír Klapita, PhD.</i>	<i>Intermodal Transportation</i>		
	<i>doc. Ing. Vladimír Konečný, PhD.</i>	<i>Quality Management</i>		
	<i>doc. JUDr. Ing. Alena Novák Sedláčková, PhD.</i>	<i>Labour Law</i>		
	<i>RNDr. Oľga Blažeková, PhD.</i>	<i>Operational Analysis 1</i>		
		<i>Operational Analysis 2</i>		
D	List of teachers of the study programme (including doctoral students) with the assignment to the course			
	Name, Surname and titles	Profile course name	Organizational form provided by teacher	Additional information
	<i>prof. Ing. RNDr. Karol Achimský, CSc.</i>	<i>Modelling of Systems</i>	<i>lectures</i>	
	<i>Ing. Martin Baláž</i>	<i>Multimedia</i>	<i>lab.exercises</i>	
	<i>Ing. Dominik Benčo</i>	<i>Logistic Management and Systems</i>	<i>seminars</i>	
	<i>RNDr. Oľga Blažeková, PhD.</i>	<i>Operational Analysis 1</i>	<i>lectures, lab.exercises</i>	
	<i>RNDr. Oľga Blažeková, PhD.</i>	<i>Operational Analysis 2</i>	<i>lectures, lab.exercises</i>	
	<i>Ing. Viktória Cvacho</i>	<i>Digital Marketing</i>	<i>lab.exercises</i>	
	<i>Ing. Viktória Cvacho</i>	<i>Customers Relations Management</i>	<i>lab.exercises</i>	
	<i>Dr. h. c. prof. Ing. Tatiana Čorejová, PhD.</i>	<i>International Economics</i>	<i>lectures</i>	
	<i>doc. Ing. Andrej Dávid, PhD.</i>	<i>Logistics</i>	<i>lectures</i>	
	<i>doc. Ing. Pavol Ďurana, PhD.</i>	<i>Statistical Analysis for Managers</i>	<i>lab.exercises</i>	
	<i>doc. RNDr. Lucia Ďuricová, PhD.</i>	<i>Statistical Analysis for Managers</i>	<i>lectures, lab.exercises</i>	
	<i>Ing. Peter Fabian</i>	<i>Transport of Dangerous Goods</i>	<i>lab.exercises</i>	



<i>Ing. Juraj Fabuš, PhD.</i>	<i>Market with Information and Communication Technologies</i>	<i>lectures, seminars</i>	
<i>Ing. Juraj Fabuš, PhD.</i>	<i>E-Commerce</i>	<i>lab.exercises</i>	
<i>Ing. Daniel Gachulinec</i>	<i>E-Commerce</i>	<i>lab.exercises</i>	
<i>Ing. Daniel Gachulinec</i>	<i>Electronic Support of Managerial Decision</i>	<i>lab.exercises</i>	
<i>Ing. Miriam Garbárová, PhD.</i>	<i>International Economics</i>	<i>seminars</i>	
<i>Ing. Miriam Garbárová, PhD.</i>	<i>Project and Process Management</i>	<i>lectures, seminars</i>	
<i>Mgr. Zuzana Gavorová, PhD.</i>	<i>Foreign Language A</i>	<i>seminars</i>	
<i>Mgr. Jana Gazdíková, PhD.</i>	<i>Operational Analysis 1</i>	<i>lab.exercises</i>	
<i>Mgr. Jana Gazdíková, PhD.</i>	<i>Operational Analysis 2</i>	<i>lab.exercises</i>	
<i>PaedDr. Marián Hrabovský, PhD.</i>	<i>Physical Education B</i>	<i>seminars</i>	
<i>PaedDr. Marián Hrabovský, PhD.</i>	<i>Physical Education C</i>	<i>seminars</i>	
<i>PaedDr. Marián Hrabovský, PhD.</i>	<i>Physical Education D</i>	<i>seminars</i>	
<i>Mgr. Ivona Chupaň Kunertová</i>	<i>Express and Courier Services</i>	<i>lab.exercises</i>	
<i>Mgr. Ivona Chupaň Kunertová</i>	<i>Customers Relations Management</i>	<i>lab.exercises</i>	
<i>doc. Ing. Juraj Jagelčák, PhD.</i>	<i>Transport of Dangerous Goods</i>	<i>lectures, lab.exercises</i>	
<i>doc. Ing. Miriam Jankalová, PhD.</i>	<i>Managerial Economics</i>	<i>lectures, lab.exercises</i>	
<i>Ing. Denis Juračka</i>	<i>Business Ethics</i>	<i>seminars</i>	
<i>doc. Ing. Martin Jurkovič, PhD.</i>	<i>Automation of Technological and Logistical Processes</i>	<i>lectures, lab.exercises</i>	
<i>doc. Ing. Vladimír Klapita, PhD.</i>	<i>Intermodal Transportation</i>	<i>lectures, seminars</i>	
<i>doc. Ing. Vladimír Konečný, PhD.</i>	<i>Quality Management</i>	<i>lectures, lab.exercises</i>	
<i>Ing. Kristína Kováčiková, PhD.</i>	<i>Transport Economics</i>	<i>seminars</i>	
<i>Ing. Martina Kováčiková, PhD.</i>	<i>Banking and Insurance</i>	<i>lectures, seminars</i>	
<i>Ing. Martina Kováčiková, PhD.</i>	<i>Projecting of Technological Processes</i>	<i>lab.exercises</i>	
<i>doc. Ing. Iveta Kremeňová, PhD.</i>	<i>Market with Information and Communication Technologies</i>	<i>lectures</i>	
<i>doc. Ing. Iveta Kremeňová, PhD.</i>	<i>Project and Process Management</i>	<i>lectures</i>	
<i>doc. Ing. Iveta Kremeňová, PhD.</i>	<i>Projecting of Technological Processes</i>	<i>lectures</i>	



<i>doc. Ing. Iveta Kubasáková, PhD.</i>	<i>Logistic Management and Systems</i>	<i>lectures</i>	
<i>Ing. Veronika Labošová</i>	<i>Statistical Analysis for Managers</i>	<i>lab.exercises</i>	
<i>prof. Ing. Radovan Madleňák, PhD.</i>	<i>E-Commerce</i>	<i>lectures</i>	
<i>prof. Ing. Radovan Madleňák, PhD.</i>	<i>Database Design</i>	<i>lectures</i>	
<i>prof. Ing. Radovan Madleňák, PhD.</i>	<i>Digital Marketing</i>	<i>lectures, lab.exercises</i>	
<i>doc. Ing. Lucia Madleňáková, PhD.</i>	<i>Express and Courier Services</i>	<i>lectures</i>	
<i>doc. Ing. Lucia Madleňáková, PhD.</i>	<i>Electronic Support of Managerial Decision</i>	<i>lectures</i>	
<i>doc. Ing. Lucia Madleňáková, PhD.</i>	<i>Legislation in Post and in Electronic Communication</i>	<i>lectures, lab.exercises</i>	
<i>doc. Ing. Lucia Madleňáková, PhD.</i>	<i>Professional Practice</i>	<i>lab.exercises</i>	
<i>Ing. Emília Madudová, PhD.</i>	<i>Final Thesis</i>	<i>seminars</i>	
<i>doc. Ing. Dr. Margita Majerčáková</i>	<i>Professional Practice A</i>	<i>lab.exercises</i>	
<i>doc. Ing. Dr. Margita Majerčáková</i>	<i>Professional Practice B</i>	<i>lab.exercises</i>	
<i>doc. Ing. Dr. Margita Majerčáková</i>	<i>Professional Practice C</i>	<i>lab.exercises</i>	
<i>PaedDr. Ľudmila Malachová</i>	<i>Physical Education Camp B</i>	<i>seminars</i>	
<i>PaedDr. Ľudmila Malachová</i>	<i>Physical Education Camp C</i>	<i>seminars</i>	
<i>PaedDr. Ľudmila Malachová</i>	<i>Physical Education Camp D</i>	<i>seminars</i>	
<i>Ing. Jakub Malik</i>	<i>Tax System</i>	<i>lab.exercises</i>	
<i>doc. Ing. Andrea Maternová, PhD.</i>	<i>Logistics</i>	<i>lectures, seminars</i>	
<i>Ing. Veronika Michelčíková, PhD.</i>	<i>Modelling of Systems</i>	<i>lab.exercises</i>	
<i>doc. JUDr. Ing. Alena Novák Sedláčková, PhD.</i>	<i>Labour Law</i>	<i>lectures, seminars</i>	
<i>doc. Ing. Adela Poliaková, PhD.</i>	<i>Tax System</i>	<i>lectures</i>	
<i>Ing. Natália Stalmašeková, PhD.</i>	<i>Managerial Economics</i>	<i>seminars</i>	
<i>doc. Ing. Mariana Strenitzerová, PhD.</i>	<i>Diagnostic Systems in Quality Management in Services</i>	<i>lectures, lab.exercises</i>	
<i>doc. Ing. Mariana Strenitzerová, PhD.</i>	<i>Customers Relations Management</i>	<i>lectures</i>	
<i>prof. Ing. Jana Štofková, CSc.</i>	<i>Banking and Insurance</i>	<i>lectures</i>	
<i>MUDr. Ing. Zuzana Štofková, PhD.</i>	<i>Business Ethics</i>	<i>seminars</i>	
<i>Ing. Lucia Šujanská</i>	<i>Tax System</i>	<i>lab.exercises</i>	
<i>Ing. Jiří Tengler, PhD.</i>	<i>Database Design</i>	<i>lectures, seminars</i>	



	prof. Ing. Anna Tomová, CSc.	Transport Economics	lectures	
	Ing. Karolína Ujlacká	Quality Management	lab.exercises	
	prof. Ing. Juraj Vaculík, PhD.	Multimedia	lectures, lab.exercises	
	prof. Ing. Juraj Vaculík, PhD.	Application of Information Technologies	lectures, lab.exercises	
	doc. Ing. Katarína Valášková, PhD.	Statistical Analysis for Managers	lab.exercises	
	Mgr. Marek Valica	Foreign Language B	seminars	
	doc. Ing. Katarína Zvaríková, PhD.	Business Ethics	lectures	
G	Student representatives representing the interests of students of the study programme			
	Name, Surname and titles		Contact details	
	Bc. Daniela Hlušeková - Member of the Council of the 2nd degree study program Distribution Technologies and Services - 2nd year of study		Mail: hlusekova@stud.uniza.sk	
	Members of the student part of the Academic Senate of FPEDAS: <ul style="list-style-type: none">• Sofia Halasová• Ing. Marek Nagy• Robin Bednářik• Mária Sitárová• Petra Cáderová• Samuel Slezák• Sauli Alex Hakkarainen		Academic Senate of FPEDAS: https://fpedas.uniza.sk/sk/fakulta/vseobecne-informacie/organy-fakulty/akademicky-senat	
H	Study advisor of the study programme			
	Study advisors at FPEDAS are also published with contacts at: https://www.fpedas.uniza.sk/sk/studenti/vseobecne-informacie/studijni-poradcovia			
	The study advisor for the study program Distribution Technologies and Services is: Name and surname: Ing. Martina Kováčiková, PhD., e-mail: martina.kovacikova@uniza.sk tel.: +421 41 513 3132 Consultation schedule: Monday from 9:00 a.m. to 11:00 a.m.			
I	Other supporting staff of the study programme – assigned study officer, career counsellor, administration, accommodation department, etc.			
	The study program Distribution Technologies and Services has sufficient support staff that meets the needs of students and teachers: <ul style="list-style-type: none">• study officer: Ing. Dagmara Brosová, dagmara.brosova@uniza.sk• other study officers (they are mutually replaceable): studref@uniza.sk• head of the UNIZA Education Department: PhDr. Renáta Švarcová, renata.svarcova@uniza.sk• study advisor: Ing. Martina Kováčiková, PhD., martina.kovacikova@uniza.sk• coordinator for Erasmus and student mobility: Ing. Vladimír Šalaga, PhD., vladimir.salaga@uniza.sk• coordinator of psychological counseling for students and employees: Mgr. Michaela Žiaková, michaela.ziakova@uniza.sk- Counseling and Career Center, which also includes psychological counseling: https://uniza.sk/index.php/studenti/prakticke-informacie/poradenske-a-karierne-centrum-uniza• contact person for UNIZA catering facilities: Anna Ďatková, datkova@uniza.sk. Information about catering: https://www.fpedas.uniza.sk/sk/uchadzaci/studenti-zivot/moznosti-stravovania• contact person for UNIZA accommodation facilities for FPEDAS students: Anna Kačiaková, anna.kaciakova@uniza.sk. Information about student accommodation is available at: https://www.fpedas.uniza.sk/sk/uchadzaci/studenti-zivot/moznosti-ubytovania• contact person for social scholarships: Bc. Jana Závodská, jana.zavodska@uniza.sk. Information about scholarships: https://www.uniza.sk/index.php/studenti/vseobecne-informacie/stipendia• Faculty coordinator for students with special needs: doc. Ing. Eva Nedeliaková, PhD., eva.nedeliakova@fpedas.uniza.sk. Information for students: https://www.uniza.sk/index.php/studenti/vseobecne-informacie/studenti-so-specifickymi-potrebami			



- *Coordinator for study abroad: Ing. Lucia Pijaková, lucia.pijakova@uniza.sk. Information about study abroad: <https://www.uniza.sk/index.php/studenti/vseobecne-informacie/studium-v-zahranici>*
- *Coordinator for Erasmus+ mobility: Ing. Lucia Pijaková, lucia.pijakova@uniza.sk. Information about Erasmus+: <https://www.uniza.sk/index.php/studenti/vseobecne-informacie/erasmus>*
- *Tuition and Fees Coordinator: Bc. Jana Závodská, jana.zavodska@uniza.sk. Information about tuition and fees: <https://www.uniza.sk/index.php/studenti/prakticke-informacie/skolne-a-poplatky>*
- *University Library Staff: <http://ukzu.uniza.sk/kontakt/>*
- *E-Learning Advisors: Ing. Peter Fraňo, peter.frano@uniza.sk, Ing. Peter Malacký, peter.malacky@uniza.sk. Information about e-learning: <https://www.uniza.sk/index.php/studenti/prakticke-informacie/e-vzdelavanie>*

Students of the study program Distribution Technologies and Services have plenty of options for extracurricular activities:

- *options for using students' free time are available at the link: <https://www.fpedas.uniza.sk/sk/uchadzaci/studenti-zivot/volny-cas>*
- *opportunities to work in university student organizations in the field of sports and culture: <https://www.uniza.sk/index.php/studenti/studenti-zivot/studenti-organizacie>*

8.	Spatial, material, and technical provision of the study programme and support
A	<p>List and characteristics of the study programme classrooms and their technical equipment with the assignment to learning outcomes and courses (laboratories, design and art studios, studios, workshops, interpreting booths, clinics, priest seminaries, science and technology parks, technology incubators, school enterprises, practice centres, training schools, classroom-training facilities, sports halls, swimming pools, sports grounds).</p> <p><i>At the level of FPEDAS and UNIZA, sufficient spatial, material, and technical resources of the study program are provided, which are a guarantee of achieving the set goals and outcomes of education. These are the following resources:</i></p> <p>Classrooms and laboratories</p> <p><i>The faculty is located in the BF building, Univerzitná 1, Žilina. To provide teaching, it uses classrooms that are managed by the Rectorate of the University of Žilina in Žilina according to the schedule - university-wide classrooms, faculty classrooms and laboratories, and departmental laboratories. The operability of these spaces is ensured in terms of hygiene, fire prevention, safety and health protection at work, and it is assumed that the space is sufficient for the planned number of students.</i></p> <p><i>University-wide classrooms:</i></p> <ul style="list-style-type: none">• <i>12 lecture halls with a capacity of 117 to 280 seats,</i>• <i>38 classrooms with a capacity of 25 to 97 seats.</i> <p><i>The list of university-wide classrooms is available at:</i> https://vzdelavanie.uniza.sk/vzdelavanie/download/doc/UNIZA-ucebne-nazvy.pdf</p> <p><i>Virtual tours of university-wide classrooms are located at:</i> https://vzdelavanie.uniza.sk/vzdelavanie/rozvrh2.php</p> <p>Faculty classrooms and laboratories:</p> <ul style="list-style-type: none">• <i>18 classrooms and laboratories (internet is available in all areas).</i> <p><i>The list of classrooms and laboratories at the faculties is available at:</i> https://vzdelavanie.uniza.sk/vzdelavanie/download/doc/UNIZA-ucebne-nazvy.pdf</p> <p><i>The following specialized classrooms and laboratories are used to provide professional courses for the study program Distribution Technologies and Services:</i></p> <p>Experimental classroom BF110 is a workplace serving primarily for providing teaching of technical and economic subjects, which is provided by the Department of Communications. The classroom is also available to students for the needs of solving projects and final theses. At the same time, the classroom serves to support the scientific and research activities of teaching and research staff as well as doctoral students conducting research, but also for improving professional skills and for further education of teachers.</p> <p><i>Classroom description: This is a spacious specialized classroom with multimedia equipment with a capacity of 28 seats for students. Teaching in this classroom is focused on acquiring skills using elements of information and communication technologies. The classroom is equipped with 25 desktop PCs with Internet connection (with 1 allocated as a teacher's workplace). Another 4 places are allocated as workplaces for students who use their</i></p>



own portable PCs with the ability to connect to the Internet directly via a fixed connection or a wireless university network. The educational process in this classroom is supported by the use of commercial software products, open source software products, as well as the possibility of using additional software packages that are in the university offer and available at: <https://ikt.uniza.sk/uniza-wiki/category/software/>.

Technical equipment:

25 PCs HP 258 G MT (R-A2400/8GB/256GBSSD)

1 Server HP proliant 350 ML

1 Data projector + projection screen REFLECTA

1 Magnetic writable board Premium plus 120 x 240 cm

1 Network device - router (for wireless connection of students, via wi-fi)

1 Network device - hub (for connecting students to the Internet using wired LAN),

1 digital camera

1 Microphone

Software equipment: the computer classroom is equipped with basic software equipment MS WINDOWS 10 Education, MS OFFICE 365, and special software from KROS (ALFA and OMEGA) for managing the economic agenda of companies (accounting and budgeting). For simulation and management of customer relations, students have access to economic products from SunSoft (CRM). For the needs of teaching subjects focused on project process management, the classroom has MS PROJECT software. The classroom is equipped with software to support database teaching (software support by ORACLE products - ORACLE APPLICATION EXPRESS), software for creating simulations and creating multimedia content, e.g. for video editing and processing (Davinci Resolve, kdenlive), etc.

Experimental classroom BF106 is a specialized classroom for teaching professional subjects focused on the implementation and use of forms of electronic commerce, IT and research support. Students can also use the classroom for project work and solving final theses.

Classroom description:

This is a specialized classroom with multimedia equipment with a capacity of 20 seats for students. The classroom has 20 desktop computers for students and one workstation for the teacher. The educational process in this classroom is supported by the use of commercial software products, open source software products, as well as the possibility of using additional software packages that are in the university offer and available at: <https://ikt.uniza.sk/uniza-wiki/category/software/>.

Technical equipment:

21 PCs

1 MacBook PRO notebook,

1 EPSON data projector + SMARTBOARD 660 interactive whiteboard

1 ACER multimedia projector with short projection distance + projection screen.

1 Premium plus magnetic writable whiteboard 120 x 240 cm

1 Network device - router (for wireless connection of students, via wi-fi)

1 Network device - hub (for connecting students to the Internet using LAN cables),

1 Canon desktop scanner

Software equipment: the computer classroom is equipped with basic software equipment MS WINDOWS 10 Education, MS OFFICE 365. The classroom is connected to remote installations of SW MS OS COMMERCE SERVER and CRM SERVER. Students have the opportunity to use a separate web hosting space for testing e-commerce applications. The classroom is equipped with specialized software from KROS (ALFA and OMEGA) for managing the economic agenda of companies (accounting and budgeting). For simulation and management of customer relations, students have access to economic products from SunSoft (CRM). For the needs of teaching subjects focused on project process management, the classroom has MS PROJECT software. The classroom is equipped with software to support database teaching (software support by ORACLE products - ORACLE APPLICATION EXPRESS). MS Excel solvers Vehicle routing problem and Facility location problem allow students to solve practical problems associated with the creation and optimization of e-commerce distribution networks. QGIS - a geographic information system used to support subjects focused on the design and visualization of distribution and logistics networks.

The Automatic Identification Laboratory (AIDC lab) in the room AES11, enables the use of automatic identification technologies, in terms of equipment it is primarily the use of RFID technology.

Laboratory description:

The laboratory provides practical teaching of technical subjects, and also serves as a significant support for solving research tasks of national and international projects and final theses of students at all levels of higher



education. Education and scientific research activities are focused on the use of automatic identification elements, primarily in the field of transport, logistics and physical distribution of goods, shipments, etc. Teaching in the laboratory is focused on acquiring skills related to the use of automatic identification elements and tools, with measurement, collection and processing of data. Activities are focused on monitoring postal shipments, optimizing postal, logistics and transport processes, monitoring their security and standardized use of identifiers. The laboratory actively participated in solving research tasks in the field of identification and monitoring of transport units of postal companies, identification of assembly parts in automotive companies, as well as in the field of identification and monitoring of stored and shipped medicines. With the support of the laboratory, conferences, workshops and trainings and activities related to the popularization of the study of transport, logistics and e-commerce with the popularization of science and technology are organized (Researcher's Night, Žilina Children's University, Study Transport, ITEXPO, etc.).

Laboratory equipment: This is a spacious laboratory, divided into 4 parts (rooms), the use of which is mutually independent, which allows for independent and undisturbed work of several study groups or research teams.

The basic equipment of the laboratory consists of:

2 Data projectors

1 Magnetic writing board

1 Interactive board

8 PC stations

Special equipment of the laboratory: dozens of reading devices with different designs (gates, Motorola readers, Alien, Intermec, Gaben) and with different frequency bands (LF, HF, NFC and UHF), sets of RFID identifiers for various practical needs, testing support devices such as a linear track for testing processes and monitored elements in motion, three RFID printers enabling printing of 2D codes and programmed RFID identifiers themselves (Toshiba, Zebra, Datamax). The laboratory is also equipped with active Lyngsoe systems technology used in AMQM applications for monitoring the quality of postal services.

The expert research workplace **HMI lab** is part of the University Science Park, located in the premises VA306, VA 307. It is a specialized laboratory focused on researching human interaction with machines and devices in virtual and real environments.

Laboratory description: The laboratory enables user testing using eye tracking (eye movement tracking), EEG (brain activity measurement) and BIOHARNESS (biosignal measurement) technologies in laboratory and real conditions. The laboratory equipment is used to support subjects focused on marketing, e-commerce and distribution technologies. In addition to use in the pedagogical process, the laboratory is used to solve the final theses of bachelor's, engineering and doctoral students. The laboratory has been actively involved in solving national and international grant research tasks in the field of research on visual smog near roads, ergonomics of the vehicle cabin and driver interaction with vehicle controls, customer purchasing behavior in the electronic store environment, optimization of forms of marketing communication using eye tracking and EEG technologies. With the support of the laboratory, conferences, workshops, trainings and activities related to the popularization of the study of transport, logistics and e-commerce, marketing and the popularization of science and technology are organized (Researcher's Night, Žilina Children's University, ITEXPO, etc.).

Laboratory equipment: The laboratory is equipped with static and mobile eyetrackers (eye cameras) from SMI Tobii and PupilLabs, EEG headsets from EMOTIV and BIOPAC, sensors for measuring skin conductivity and respiratory rate from MindField (eSence respiration biofeedback and eSence Skin response). For the analysis of data obtained from HW, the laboratory has the following software tools available: Tobii, SMI BEGAZE, SMI Scientific Center and iMotions (evaluating data from the eye camera), EMOTIV Enterprise and EMOTIV EPOC Brain activity (evaluating and visualizing EEG data), MUSE 2 and MP36R Enterprise system (evaluating data from biosensors).

In addition to these specialized laboratories of the Department of Communications, laboratories of other departments of the faculty are also available, including university-wide and faculty-wide.

- **University Science Park:**

Students of the study program Distribution Technologies and Services have the opportunity to collaborate on project activities under the guidance of teachers and scientific staff in the Smart City laboratory and the Human-Machine Interaction laboratory, which are part of the University Science Park, as well as in other scientific research workplaces of UNIZA. Research areas of the University Science Park: <https://uvp.uniza.sk/oblasti-vyskumu/>

-**Technological incubators:**

Students of the study program Distribution Technologies and Services have the opportunity to participate in a new incubation program, which is intended for students, young researchers and other people interested in



	<p>creating innovations from various areas from the commercial environment. They also have the opportunity to attend a unique university-wide course focused on the development of entrepreneurial and innovative thinking: <i>Entrepreneurial Profession – Startup Program</i>: https://uniza.sk/index.php/studenti/studentsky-zivot/povolanie-podnikatel-startup-program</p> <p>At the university level, the structures and processes of spatial, material and technical provision of study programs are defined by Directive No. 217 Resources to support educational, creative and other related activities of the University of Žilina in Žilina: https://www.uniza.sk/images/pdf/kvalita/2021/smernica-UNIZA-c-217.pdf</p>
B	<p>Characteristics of the study programme information management (access to study literature according to Course information sheets, access to information databases and other information sources, information technologies, etc.)</p> <p>Students of the study program <i>Distribution Technologies and Services</i> have access to study literature, information databases and other information sources as follows:</p> <ul style="list-style-type: none">• Access to study literature: The University Library of the University of Žilina in Žilina (UK UNIZA http://ukzu.uniza.sk/) is a central workplace providing comprehensive library and information activities within the profiling of UNIZA, its individual study fields and study subjects through the acquisition and provision of access to professional monographs, textbooks, scripts, standards, journals, legislative documents, periodical literature, statistical reviews and yearbooks, language and professional dictionaries, encyclopedias, electronic information carriers, electronic information resources, electronic books. The university publishes its own journals: https://www.uniza.sk/index.php/vedci-a-partneri/vyskumne-zazemie/vedecke-casopisy• Access to information databases: Students can use databases subscribed to by the university, such as: WOS, SCOPUS, Springer Online, Oxford Publishing, Science Direct, Wileys, etc.• Access to other information sources: 1. UNIZA Academic Information and Education System (AIVS) The basic information system for the education and teaching process at ŽU is the Academic Information and Education System. AIVS is available to students from the university domain and from the Internet. It covers the university's remote workplaces. The university WiFi network supports EDUROAM. Currently, AIVS covers the entire life cycle of a university student with its services, from application submission to the final exam and activities related to completing studies at the university. AIVS supports the management of the study agenda at faculties and other parts of the university, in all levels, forms and types of higher education, as well as decision-making at the faculty management level. It serves to register applicants for study, students and graduates, to monitor study results, to support the credit system of study in accordance with Section 62 of Act 131/2002 Coll., to support the creation of a timetable, to record the pedagogical workload of teachers and workplaces, the provision of social benefits, scholarships and accommodation. It supports the generation of ECTS information packages (Section 20, paragraph 1, letter e), activities related to the completion of studies (certificates, diplomas), as well as the processing of diploma supplements (Section 68, paragraph 1, letter c). AIVS consists of subsystems: a) Subsystem "Admissions Procedure" - processing of applications (electronic/classic), results and their evaluation, communication with applicants (invitations, announcements and statements), processing of statistics for kindergartens. b) Subsystem "Education" - which consists of the following modules:<ul style="list-style-type: none">• student register• study administration (study programs, study plans, subject information sheets)• study registration• processing of teaching schedules and resource management (classrooms, technical equipment)• exam administration (announcing exam dates, registering for exams)• study progress, recording of study results, ongoing assessment of study results (internal directive No. 113 Internal system for ensuring the quality of education at the University of Žilina in Žilina)• study stays (mobility), data are part of the student register and are exported to the central student registerc) Subsystem "Completion of studies" consists of the modules "final theses" and "state exams". - The "final theses" module is focused on supporting the following activities:



- assignment of final theses topics by the department or teacher;
- selection of final theses topics by students;
- approval and confirmation of the topic and student by the department;
- export of basic data from AIVS to the local repository of final theses IS – EZP (Internal Directive No. 103/2018 on final theses under UNIZA conditions);
- submission of the finished work to UNIZA; import of data on the status of the work and the compliance protocol from EZP.

- The “state exams” module allows:

- formation of state examination committees by the department;
- definition of state examination subjects;
- registration of state examination subjects – graduating students;
- distribution of students by days and committees;
- registration of exam results for individual state examination subjects, registration of the final thesis assessment, online printing of the State Examination Record (signed by the state examination committee);
- printing of the diploma is carried out at the study departments.

Internal Directive No. 103 applies to the preparation of the thesis, its submission to the EHR and subsequent steps.

AIVS is integrated with other information systems that are part of the university intranet, such as the university library (records of final theses, verification of final theses for originality), accommodation (advisor, accommodation, records of payments, etc.), student ID issuance and student ID management, access system, user management (identity management), attendance system (attendance of doctoral students). AIVS is connected to the university student email address system and to applications for digital certificates and electronic signatures in selected AIVS services - logging into the system, signing documents (e.g. exam reports, final theses, etc.).

The UniApps application allows access to AIVS data and services from mobile devices with Android OS, in accordance with the university's concept of introducing mobile technologies. The university supports students in using their own mobile devices. UniApps enables access to information regardless of location and time using a mobile device for full-time students at the 1st and 2nd levels. The following functionalities are currently available: schedule, user profile, exam dates, exam registration, exam results.

Subprocesses I and II. Level of higher education supported by AIVS: determining the conditions of the admission procedure; processing applications; admission, appeal procedure; study statuses (enrollments, interruptions, transfer from another university, completion); selection of elective subjects; study control and enrollment in a higher year; incentive scholarship; listing of final thesis topics and selection of topics; official assignment of final thesis topics; preparation of state exams; submission of final theses (EZP); state exams; archiving of documents; export to the CRŠ.

2. e-learning

In UNIZA, e-learning is based on the LMS Moodle. The organization of courses is based on guided study with the support of information and communication technologies in close connection with the Academic Educational and Information System. E-learning has been used at the university since the academic year 2004/2005. (<https://uniza.sk/index.php/studenti/prakticke-informacie/e-vzdelavanie>).

• Internet access:

All classrooms and laboratories where students of the study program Distribution Technologies and Services are taught have unlimited access to the Internet via the university network. UNIZA operates its own Wi-Fi network. By connecting to the university Wi-Fi network, which is accessible in all UNIZA premises, students gain free access to the UNIZA and FPEDAS websites and access to the Internet, and therefore also to the faculty FB. The university WiFi network supports EDUROAM. UNIZA students also have access to the Microsoft Office 365 software package. The student license allows them to use the web and desktop applications of the Office 365 package throughout the entire period of study. The University of Žilina is also the owner of the Total Academic Headcount (TAH) license for MATLAB & Simulink - <https://ikt.uniza.sk/uniza-wiki/category/software/matlab/>. The University of Žilina in Žilina is the owner of the license for engineering and simulation software from Ansys.

At the university level, the structures and processes of information security of the study program are defined by Directive No. 218 on the collection, processing, analysis and evaluation of information to support the management of study programs: <https://www.uniza.sk/images/pdf/kvalita/2022/smernica-UNIZA-c-218-dodatok-1.pdf>



C	<p>Characteristics and extent of distance education applied in the study programme with the assignment to courses. Access, manuals of e-learning portals. Procedures for the transition from contact teaching to distance learning.</p> <p><i>The study program Distribution Technologies and Services is provided in person. Nevertheless, due to the emergency situation to prevent the spread of COVID-19, it has been provided remotely since March 2020 via the MS Teams application, of which students were informed in advance by orders from the rector and dean and via e-mail communication with teachers.</i></p> <p><i>Each study subject has and has a separate team prepared, in which students and teachers are assigned via assigned addresses. For quality control reasons, superior employees are also assigned to the teams - guarantor, head of department, vice-dean for education, dean. Within each subject, separate channels have been created for lectures and exercises for individual study groups.</i></p> <p><i>Selected lectures by specialists and practitioners are also supported by the MS Teams platform.</i></p> <p><i>Teachers provide students with study materials in electronic form, primarily via e-mail, and the MS Teams and Moodle platforms.</i></p>
D	<p>Institution partners in providing educational activities for the study programme and the characteristics of their participation.</p> <p><i>The Department of Communications, which provides the study program Distribution Technologies and Services, has a long-term cooperation in the field of education support in the form of elective lectures and workshops, cooperation in organizing excursions, professional practice, guidance, consulting and reviewing final theses, participation in final exams, but also in the field of scientific research activities in which students are involved in the form of projects. This cooperation creates a significant package of support for students in acquiring skills and acquiring competencies and at the same time bonuses their applicability in practice.</i></p> <p><i>Selected partner institutions:</i></p> <p><i>Partner: Slovak Post, a.s.</i></p> <p><i>Characteristics of participation: elective lectures, excursions, professional practice, final theses, final exams, projects, scholarship program</i></p> <p><i>Partner: Czech Post, s.p.</i></p> <p><i>Characteristics of participation: elective lectures, excursions, professional practice, final theses, final exams, projects</i></p> <p><i>Partner: Direct Parcel Distribution SK s.r.o.</i></p> <p><i>Characteristics of participation: elective lectures, excursions, professional practice, final theses, final exams, projects</i></p> <p><i>Partner UPS:</i></p> <p><i>Characteristics of participation: elective lectures, excursions, workshops, professional practice, final theses,</i></p> <p><i>Partner: Ministry of Transport of the Slovak Republic:</i></p> <p><i>Characteristics of participation: elective lectures, excursions, professional practice, final theses, final exams, projects</i></p> <p><i>Partner: Regulatory Authority for Electronic Communications and Postal Services</i></p> <p><i>Characteristics of participation: elective lectures, excursions, professional practice, final theses, final exams, projects</i></p> <p><i>Partner: KROS a.s.</i></p> <p><i>Characteristics of participation: elective lectures</i></p> <p><i>Partner: Deloitte Audit s.r.o.</i></p> <p><i>Characteristics of participation: elective lectures; workshop for students (Deloitte College)</i></p> <p><i>Partner: Oracle</i></p> <p><i>Characteristics: Oracle Academy</i></p> <p><i>In addition to the above activities, the attractiveness of the study and the employability of graduates is also underlined by the connection between study and practice, which results in significant support for students in acquiring practical skills. Proof is the multinational company Deloitte, which annually organizes workshops for bachelor's (Deloitte Junior) and engineering (Deloitte College) students in cooperation with our department in the areas of audit, taxes, risk management, with an emphasis on the use of data and analytical tools in the</i></p>



	<p>subject areas. The most skillful students leave with a job offer from Deloitte in its branches in Bratislava and Žilina. Another important partner is Oracle Academy, which allows students to obtain a certificate in Database Design and Database programming with SQL.</p> <p>Kaufland Company - Retail Logistic Lab (project-based education with mentors from practice), elective lectures, professional practice</p>
E	<p>Characteristics of the possibilities for social, sports, cultural, spiritual and social activities</p> <p>The possibilities for social, sporting, cultural, spiritual and community activities are described in Directive No. 217 – especially Articles 17, 18 and 19. (Link: https://www.uniza.sk/images/pdf/kvalita/2022/smernica-UNIZA-c-217-dodatok-1.pdf)</p>
F	<p>Possibilities and conditions for participation of the study programme students in mobilities and internships, application instructions, rules for recognition of this education</p> <p>All students of the e-commerce and management study program are provided with equal and transparent access, provided they meet the conditions – criteria of the given form of mobility, in accordance with Directive No. 219.</p> <p>The given conditions are:</p> <ul style="list-style-type: none">a) application for exchange studies and confirmation of acceptance by the partner institution (foreign mobility or internship),b) agreement between individual partner institutions on the study (in the case of cooperation between UNIZA and FPEDAS with another partner institution that has an accredited study program in the given study field at the partner institution or a similar study field at a foreign partner institution, and that has a certified/accredited internal quality system of higher education or ESG 2015),c) agreement between individual partner institutions on a joint study program, which is also jointly accredited as a joint study program in accordance with the internal quality system of higher education at UNIZA. <p>Every student who has been approved by the selection committee and submits a document confirming the approval of the study stay abroad may complete part of his/her studies at a foreign university (hosting university), within the framework of the European Union programs, Erasmus+, the National Scholarship Program, SAIA, the Fulbright Commission, cross-border cooperation, bilateral programs, and others.</p> <p>The subjects completed at the host university are recognized by the guarantor of the study program in cooperation with the Vice-Dean for Education, based on his/her application, which includes a statement of study results, which the host university will prepare for the student at the end of his/her studies, as well as information sheets or syllabi of the subjects completed. (Directive No. 219)</p> <p>Responsible persons:</p> <p>doc. Ing. Martin Bugaj, PhD. vice-dean faculty Erasmus+ coordinator tel.: +421 41 513 3467 e-mail: martin.bugaj@uniza.sk</p> <p>Ing. Vladimír Šalaga, PhD. Erasmus+ mobility coordinator FPEDAS room: BF252 tel.: +421 41 513 3062 e-mail: vladimir.salaga@uniza.sk</p> <p>Every year, an average of 40 - 60 students of the faculty travel abroad to study in a standard situation (Annual reports on the activities of the faculty - https://fpedas.uniza.sk/sk/fakulta/vseobecne-informacie/uradna-tabula).</p> <p>At the university level, these processes are defined by the following directives:</p> <p>Directive No. 209 – Study Regulations for the 1st and 2nd Degrees of Higher Education at the University of Žilina https://www.uniza.sk/images/pdf/uradna-tabula/smernice-predpisy/2023/30062023_S-209-2021-Studijny-poriadok-pre-1-a-2-stupen-VS-UNIZA-v-zneni-Dodatku-c-1-a-4.pdf and Directive No. 219 – Mobility of Students and Employees of the University of Žilina in Žilina Abroad. https://www.uniza.sk/images/pdf/kvalita/2021/smernica-UNIZA-c-219.pdf</p>



9.	Required abilities and admission requirements for the study programme applicants
A	<p>Required abilities and necessary admission requirements</p> <p><i>The required skills and prerequisites for admission to study are formalized by:</i></p> <ul style="list-style-type: none">• directives: admission procedure: Directive No. 209, Art. 5: https://www.uniza.sk/images/pdf/uradna-tabula/smernice-predpisy/2023/30062023_S-209-2021-Studijny-poriadok-pre-1-a-2-stupen-VS-UNIZA-v-zneni-Dodatku-c-1-a-4.pdf and Directive No. 218, Art. 8 and 9: https://www.uniza.sk/images/pdf/kvalita/2022/smernica-UNIZA-c-218-dodatok-1.pdf• a document approved by the Academic Senate of FPEDAS: "Principles and rules of the admission procedure for studies at the Faculty of Transport Operations and Economics for the 1st level of study": https://fpedas.uniza.sk/sk/uchadzaci/vseobecne-informacie/prijimacie-konania• orders and methodological guidelines of the Dean of the Faculty on the Faculty's website <p><i>Basic condition for admission to studies</i></p> <ol style="list-style-type: none">1. The basic condition for admission to a second-level study program is obtaining a first-level university education (Act No. 131/2002 Coll. on Higher Education, as amended) within the given field of study.2. In the case of a foreign applicant or a student who completed his/her studies abroad, the student shall submit, with the application for higher education, at the latest upon enrolment for studies, a decision on the recognition of the document on completion of the first-level higher education by the relevant institution in the Slovak Republic, or shall request UNIZA to recognize the document on education.3. Written and oral proficiency in Slovak or Czech is required for studies at the faculty. <p><i>Admission to the study programme Distribution Technologies and Services without an entrance examination:</i></p> <ol style="list-style-type: none">1. Applicants are admitted without an entrance examination based on the weighted average they achieved at the first level of higher education, if the study programmes are:<ul style="list-style-type: none">• road transport (specialisation road transport, expert activity in road transport),• railway transport,• air transport (specialisation air transport, aircraft maintenance technology),• forwarding and logistics,• distribution technologies and services.2. Applicants who have achieved a weighted average of grades up to and including 2.00 during the first stage of study are admitted without an entrance exam, in the case of study programs:<ul style="list-style-type: none">• Economics and Business Management,• Financial Management,• Electronic Commerce and Management.3. Other applicants take an entrance exam. <p><i>Entrance exam:</i></p> <ol style="list-style-type: none">1. The entrance exam is conducted in the form of a knowledge test from the first stage of study of the study program.2. Individual test questions are from the following areas:<ul style="list-style-type: none">• Economics• A selected foreign language (English, Spanish, German, French and Russian).3. Applicants answer the questions by marking the answer in the test sheets for individual areas.4. An applicant can receive from 0 to 100 points for correct answers.5. For applicants with special needs, upon their request and based on the assessment of their specific needs in accordance with §100, paragraph 9, letter b) of the Higher Education Act, the Dean shall determine the form of the entrance examination and the method of its implementation, taking into account their specific needs and in accordance with Directive No. 198 Support for applicants for studies and students with special needs at the University of Žilina in Žilina.6. Applicants are obliged to present their identity card, university diploma and diploma supplement for bachelor's studies at the entrance examination. If the applicant does not have a university diploma and diploma supplement, they must submit these no later than the day of enrollment in engineering studies.
B	<p>Admission procedures</p> <p><i>Admission procedures are formalized by:</i></p> <ul style="list-style-type: none">• guidelines: admission procedure: Directive No. 209, Art. 5 https://www.uniza.sk/images/pdf/uradna-tabula/smernice-predpisy/2023/30062023_S-209-2021-Studijny-poriadok-pre-1-a-2-stupen-VS-UNIZA-v-zneni-Dodatku-c-1-a-4.pdf and Directive No. 218, Art. 8 and 9: https://www.uniza.sk/images/pdf/kvalita/2022/smernica-UNIZA-c-218-dodatok-1.pdf



- a document approved by the Academic Senate of FPEDAS: "Principles and rules of the admission procedure for studies at the Faculty of Transport Operations and Economics for the 2nd level of study": <https://fpedas.uniza.sk/sk/uchadzaci/vseobecne-informacie/prijimacie-konania>
- orders and methodological guidelines of the Dean of the Faculty on the Faculty's website.

The admission procedure is governed by the following rules:

- The application is submitted for a specific study program. If the applicant wants to participate in the admission procedure in several study programs at FPEDAS, it is necessary to submit applications for each study program separately and pay a fee for each application.
- If the applicant wants to participate in the admission procedure at several faculties of UNIZA, the application must be submitted separately to each faculty with the payment of the appropriate fee set by the faculty.
- Applicants fill out an electronic application or the form Application for Higher Education Studies – 2nd level. The electronic application can be completed via the UNIZA website <https://vzdelavanie.uniza.sk/prijimacky/index.php> or the University portal <https://prihlaskavs.sk/sk/>.
- If the application for study is incomplete, the applicant will be asked to complete it.
- In case of non-participation, or In case of failure in the admission procedure, the faculty does not refund the admission procedure fee.
- The attachments to the application for engineering studies include:
 1.
 - a. CV,
 - b. confirmation of payment of the admission procedure fee,
 - c. diploma from the 1st degree of university studies
- Electronic attachments must be sent along with the electronic application.
- The admission procedure fee (for each application) is:
 1.
 - a. €30 – EU citizens,
 - b. €50 – non-EU citizens.
- The fee must be paid to the following address:
University of Žilina, Univerzitná 1, 010 26 Žilina
Bank: State Treasury
Account number in IBAN format: SK81 8180 0000 0070 0026 9888
Constant symbol: 0308
Variable symbol: 10132 – engineering studies
- Payment can be made by bank transfer or postal order to the above account.
- When paying the fee from EU member states, EEA contracting countries, territories that are considered part of the EU (Article 299 of the Treaty of Rome) and countries that have voluntarily joined SEPA, use BIC: SPSRSKBAXXX, IBAN: SK81 8180 0000 0070 0026 9888.
- Tuition fees are set according to the Higher Education Act.
- Information on the amount of tuition fees for the relevant academic year will be published by the University of Žilina on the website by the specified dates.
- Applicants from the Czech Republic can use the form valid in the Czech Republic to submit an application for study.
- Submission of a properly completed application by the specified date and payment of the admission fee by the specified date are a condition for the applicant to be included in the admission procedure.

C Results of the admission process over the last period

The results of the admission procedure are regularly published in the Annual Report on the Faculty's Activities in the Educational Activities section: <https://fpedas.uniza.sk/sk/fakulta/vseobecne-informacie/uradna-tabula>.

For the academic years 2015/2016 - 2023/2024, the results of the admission procedure for the Distribution Technologies and Services study program are as follows:

Study program Distribution Technologies and Services	master studies full-time		
Year	Applications	Participation in the admissions process	Newly admitted students
2015/2016	23	22	21



2016/2017	42	35	32
2017/2018	22	21	21
2018/2019	12	12	10
2019/2020	1	1	0
2020/2021	5	5	4
2021/2022	7	7	6
2022/2023	1	1	0
2023/2024	3	3	3

The process of evaluating the admission procedure for the study program Distribution Technologies and Services is as follows:

Based on the admission procedure, the following are admitted to study:

- 1. applicants who have met the prerequisites for admission to study without an entrance exam,*
- 2. applicants who have passed the entrance exam and made it to the list of admitted applicants.*
- 3. When creating the list of admitted applicants who have passed the entrance exam, the order of applicants determined by the respective number of points that the applicants obtained from the knowledge test from the 1st stage of the study program, as well as the decision of the Dean of the Faculty on the final number of admitted applicants, is accepted. The Dean decides on the final number of admitted applicants based on the capacity of the given study program.*
- 4. The results of the admission procedure are informed about:*
 - applicants who have met the prerequisites for admission to study without an entrance exam - via the UNIZA website <https://vzdelavanie.uniza.sk/prijimacky/index.php>, where information about their admission is provided,*
 - applicants who have passed the entrance exam - via the UNIZA website <https://vzdelavanie.uniza.sk/prijimacky/index.php>, where information about their admission / rejection and the number of points that the applicants obtained in the entrance exam is provided.*
- 5. All accepted applicants are delivered by mail a Decision on admission to study signed by the Dean of the Faculty, Vice-Dean for Education, no later than within 30 days.*
- 6. All rejected applicants are delivered by mail a Decision on refusal to study signed by the Dean of the Faculty, or by the Vice-Dean for Education, no later than 30 days.*
- 7. The decision on admission to study delivered to the applicant also includes the procedure for enrolling the applicant for studies.*
- 8. Each applicant has the right to inspect the documentation of his/her admission procedure upon request.*
- 9. The Dean of the Faculty shall grant the applicant conditional admission (pursuant to Section 58, Paragraph 1 of the Higher Education Act) if the student had objective reasons for not meeting the basic conditions for admission to study, which are assessed individually. The right to enroll for an applicant who was conditionally admitted to study shall expire if he/she fails to demonstrate compliance with the basic conditions for admission by the date designated for enrollment at the latest.*
- 10. The admission conditions for foreign applicants shall apply to applicants from the Slovak Republic. Foreign students who study in a language other than the state language shall pay tuition fees according to the conditions specified in Section 92, Paragraph 8 of the Higher Education Act. Tuition fees are set by the UNIZA directive and published for the relevant academic year on the university website.*
- 11. Foreign students studying in the Slovak language do not pay tuition fees. Applicants who do not actively speak Slovak or Czech are required to successfully complete language training (with the possibility of completing it at UNIZA). For foreign applicants accepted on the basis of interstate agreements, bilateral treaties or for scholarship holders of the Slovak government, the conditions specified in the relevant documents apply.*

The above process is part of the document Principles and rules of the admission procedure for studies at the Faculty of Transport and Communications Operations and Economics for the 2nd level of study (for the academic year 2025/2026):



https://fpedas.uniza.sk/images/studium/Zasady_pravidla_%20prijatia_2025-2026_Inq.pdf and, <https://www.fpedas.uniza.sk/sk/uchadzaci/vseobecne-informacie/prijimacie-konania> which was approved by the Academic Senate of FPEDAS.

10. Feedback on the quality of provided education

Procedures for monitoring and evaluating students' opinions on the study programme quality

The monitoring procedures and assessment of students' opinions on the quality of the study program are regulated by Directive No. 223 Monitoring and periodic assessment of study programs: <https://www.uniza.sk/images/pdf/kvalita/2022/smernica-UNIZA-c-223-dodatok-1.pdf> and <https://fpedas.uniza.sk/sk/fakulta/vseobecne-informacie/kvalita-vzdelavania>

The faculty collects, analyzes and uses all relevant information obtained from students. This data is evaluated in the annual Annual Report on the activities of FPEDAS: <https://fpedas.uniza.sk/sk/fakulta/vseobecne-informacie/uradna-tabula>, in reports from individual surveys, and on their basis, the necessary steps are taken to manage the SP.

The faculty monitors student satisfaction with the quality of education and with the approach of teachers to students at the level of study programs, and therefore also the Distribution Technologies and Services program. The reports are published for each semester of the academic year at: <https://fpedas.uniza.sk/sk/fakulta/vseobecne-informacie/kvalita-vzdelavania>, in the section: Research results in the field of quality of education.

Reports from individual monitoring and evaluations for the last period at FPEDAS are available at the following links:

- Academic year 2010/2011 - https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_2010-2011.pdf
- Academic year 2011/2012 - https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_2011-2012.pdf
- Academic year 2012/2013 - https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_2012-2013.pdf
- Academic year 2013/2014 - https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_2013-2014.pdf
- Academic year 2016/2017 - winter semester – https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_2016-2017_zs.pdf
- Academic year 2016/2017 - summer semester – https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_2016-2017_ls.pdf
- Academic year 2017/2018 - winter semester – https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_2017-2018_zs.pdf
- Academic year 2018/2019 - winter semester – https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_2018-2019_zs.pdf
- Academic year 2018/2019 - summer semester – https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_2018-2019_ls.pdf
- Academic year 2019/2020 - winter semester – https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_2019-2020_zs.pdf
- Academic year 2019/2020 - summer semester – https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_2019-2020_ls.pdf
- Academic year 2020/2021 - winter semester – https://www.fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_2020-2021_zs.pdf
- Academic year 2020/2021 - summer semester – https://fpedas.uniza.sk/images/kvalita_vzdelavania/sprava_2020-2021_ls.pdf



	Results of student feedback and related measures to improve the study programme quality
B	<p>The faculty monitors student satisfaction with the quality of education and the approach of teachers to students at the level of study programs, and therefore also the Distribution Technologies and Services program. Reports are published for each semester at: https://fpedas.uniza.sk/sk/fakulta/vseobecne-informacie/kvalita-vzdelavania. Results of research in the field of education quality.</p> <p>The results of the evaluation of the quality of education and the approach of individual teachers are regularly discussed at the meetings of the Dean's College and subsequently the heads of departments as part of the annual evaluation of university employees based on data from e-evaluation: https://hodnotenie.uniza.sk/hbody.php discuss these results with the employees of the department, and therefore also the Department of Communications, which provides the study program Distribution Technologies and Services.</p> <p>Reports from the evaluation of employees are available upon physical inspection on site.</p>
	Results of graduate feedback and related measures to improve the study programme quality.
C	<p>The faculty monitors the opinions of graduates at the level of study programs, and therefore also of the Distribution Technologies and Services program, via the portal: https://fpedas.uniza.sk/~dotaznik/, where the results are electronically evaluated and subsequently published in the Annual Report on FPEDAS activities in part 2. 7 Graduates and their application:</p> <ul style="list-style-type: none">• for the year 2023 (p. 28) – https://fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2023.pdf• for the year 2022 (p. 30) – https://fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2022.pdf• for the year 2021 (p. 27) – https://fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2021.pdf• for 2020 (p. 30) - https://www.fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2020.pdf• for 2019 there was a very low sample – results were not published• for 2018 (p. 29) - https://www.fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2018.pdf• for 2017 (p. 20) - https://www.fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2017.pdf• for 2016 (p. 20) - https://www.fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2016.pdf• for 2015 (p. 19) - https://www.fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2015.pdf• for 2014 (p. 22) - https://www.fpedas.uniza.sk/images/uradna_tabula/vyrocná_správa_fpedas_2014.pdf <p>The results of alumni feedback are evaluated at working meetings of the Department of Communications, which provides the given program, and at meetings of the Dean's Board, where measures are taken in connection with the information obtained from alumni.</p>

11.	References to other relevant internal regulations and information concerning the study or the study programme student (e.g study guide, accommodation regulations, fee directive, guidelines for student loans, etc.).
Internal regulations and information	Link
D 236_2023 UNIZA Statute	https://www.uniza.sk/images/pdf/uradna-tabula/smernice-predpisy/2023/28022023_S-236-2023-Statut-UNIZA.pdf



<i>D 110_2013 Study Regulations for the Third Level of Higher Education at the University of Žilina in Žilina</i>	https://www.uniza.sk/images/pdf/uradna-tabula/smernice-predpisy/2022/27042022_S-110-2013-Studijny-poriadok-pre-3-stupen-VS-UNIZA-v-zneni-Dodatkov-1-az-4.pdf
<i>D 132_2015 On Free Access to Information</i>	http://uniza.sk/document/Zasady_SI_ZU_VI-2015.pdf
<i>D 149_2016 Organizational Regulations</i>	https://www.uniza.sk/images/pdf/uradna-tabula/smernice-predpisy/2025/07012025_S-149-2016-Organizacny-poriadok-UNIZA-D1-az-D26-09122024.pdf
<i>D 255_2024 Principles of UNIZA editorial activity</i>	https://www.uniza.sk/images/pdf/edicnacininnost/2024/smernica-UNIZA-c-255-zasady-edicnej-cinnosti-10102024.pdf
<i>D 250_2023 Working rules</i>	https://www.uniza.sk/images/pdf/uradna-tabula/smernice-predpisy/2024/08012023_S-250-2023-Pracovny-poriadok-01012024.pdf
<i>D 163_2018 Accommodation rules of UNIZA accommodation facilities</i>	https://www.uniza.sk/images/pdf/ubytovanie/27082018_Ubytovaci-poriadok-od-01092018.pdf
<i>D 167_2018 Rules of Procedure of the Disciplinary Committees of UNIZA</i>	https://www.uniza.sk/images/pdf/uradna-tabula/smernice-predpisy/2021/09072021_S-167-2018-Rokovaci-poriadok-disciplinarnych-komisii-UNIZA.pdf
<i>D 180_2019 Grant System of the University of Žilina</i>	04082021_S-180-2021-Grantovy-system-Zilinskej-univerzity-v-Ziline-v-zneni-Dodatku-c-2-26072021.pdf (uniza.sk)
<i>D 237_2023 Principles of the selection procedure for filling positions of university teachers, positions of researchers, positions of professors and associate professors and positions of managerial employees</i>	https://www.uniza.sk/images/pdf/uradna-tabula/smernice-predpisy/2023/02022023_S-237-2023-Zasady-vyberoveho-konania.pdf
<i>D 202_2021 Criteria for filling the positions of professors and associate professors and principles for filling the positions of visiting professors</i>	https://www.uniza.sk/images/pdf/kvalita/2021/smernica-UNIZA-c-202.pdf
<i>D 207_2021 Code of Ethics of the University of Žilina</i>	https://www.uniza.sk/images/pdf/uradna-tabula/smernice-predpisy/2024/03062024_S-207-2021-Etický-kodex-UNIZA-v-zneni-Dodatku-c-1.pdf
<i>D 208_2021 Rules for acquiring rights, harmonizing rights, adjusting and canceling rights for habilitation and inauguration proceedings at the University of Žilina</i>	https://uniza.sk/images/pdf/kvalita/2023/smernica-UNIZA-c-208.pdf
<i>D 210_2021 Statute Accreditation Board of the University of Žilina</i>	https://uniza.sk/images/pdf/kvalita/2023/smernica-UNIZA-c-210.pdf
<i>D 211_2021 Procedure for obtaining scientific and pedagogical degrees and artistic and pedagogical degrees at the University of Žilina</i>	https://www.uniza.sk/images/pdf/kvalita/2021/smernica-UNIZA-c-211.pdf
<i>D 213_2021 Quality assurance policies at the University of Žilina</i>	https://uniza.sk/images/pdf/kvalita/2022/smernica-UNIZA-c-213-dodatok-1.pdf
<i>D 214_2021 Structures of the internal quality assurance system for creating, modifying, approving and cancelling study programs at the University of Žilina</i>	https://uniza.sk/images/pdf/kvalita/2023/smernica-UNIZA-c-214.pdf
<i>D 216_2021 Quality assurance of doctoral studies at UNIZA</i>	https://uniza.sk/images/pdf/kvalita/2022/smernica-UNIZA-c-216-dodatok-1.pdf
<i>D 220_2021 Evaluation of employees' creative activity in relation to ensuring the quality of education at UNIZA ZA</i>	https://www.uniza.sk/images/pdf/kvalita/2021/smernica-UNIZA-c-220.pdf



<i>D 221_2021 UNIZA's cooperation with external partners in practice</i>	https://uniza.sk/images/pdf/kvalita/2022/smernica-UNIZA-c-221-dodatok-1.pdf
<i>D 222_2021 Internal quality assurance system at UNIZA</i>	https://uniza.sk/images/pdf/kvalita/2022/smernica-UNIZA-c-222-dodatok-1.pdf
<i>UNIZA website</i>	www.uniza.sk
<i>Internal quality assurance system at the University of Žilina in Žilina</i>	https://www.uniza.sk/index.php/univerzita/vseobecne-informacie/vnutorny-system-zabezpecovania-kvality-uniza
<i>Catering, canteen</i>	https://www.uniza.sk/index.php/studenti/prakticke-informacie/stravovanie
<i>Tuition and fees</i>	https://www.uniza.sk/index.php/studenti/prakticke-informacie/skolne-a-poplatky
<i>Freshman's guide</i>	https://www.uniza.sk/flexpapers/sprievodca-prvaka/
<i>Scholarships</i>	https://www.uniza.sk/index.php/studenti/vseobecne-informacie/stipendia
<i>Student ID</i>	https://www.uniza.sk/index.php/studenti/prakticke-informacie/preukaz-studenta
<i>Sports activities</i>	https://www.uniza.sk/index.php/studenti/studenticky-zivot/volny-cas
<i>Offer work, internships and incubator</i>	https://www.uniza.sk/index.php/studenti/studenticky-zivot/praca-staze-a-inkubator
<i>Student organizations</i>	https://www.uniza.sk/index.php/studenti/studenticky-zivot/studenticke-organizacie