**Description of the study programme**

**Name of the higher education institution:** *Technical University of Košice*

**Address of the higher education institution:** *Letná 1/9, 042 00 Košice-Sever*

**Identification number of the higher education institution:** *709000000*

**Name of the faculty:** *Faculty of Electrical Engineering and Informatics*

**Address of the faculty:** *Letná 1/9, 042 00 Košice-Sever*

Institution body for approving the study programme: *Accreditation Commission of TUKE*

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

Date of the latest change in the study programme description: *irrelevant*

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

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

1. **Basic information about the study programme**
2. Name of the study program and its number according to the register of study programmes.

*hospodárska informatika, number 4130*

1. Degree of higher education and ISCED-F education degree code.

*2. degree, ISCED code 767*

1. Place(s) of delivery of the study programme.

*at the faculty*

1. Name of the field of study in which higher education is obtained by completing the study programme, or a combination of two fields of study in which higher education is obtained by completing the study programme.

*Computer Science*

1. Type of the study programme: academically oriented, professionally oriented; translation, translation combination study programme (listing the specializations); teaching, teaching combination study programme (listing the specializations); artistic, engineering, doctoral, preparation for regulated profession, joint study programme, interdisciplinary studies.

*academically oriented*

1. Awarded academic degree.

*Ing.*

1. Form of study.

*full time*

1. In the case of joint study programmes, cooperating institutions and the range of study obligations the student fulfills at each of the given institutions (§ 54a of the Act on Higher Education Institutions).

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1. Language or languages in which the study programme is delivered.

 *slovak language*

1. Standard length of the study expressed in academic years.

*2*

1. Capacity of the study programme (planned number of students), the actual number of applicants and students.

[***https://tuke.sk/wps/portal/tuke/university/vyrocne-spravy-a-dokumenty***](https://tuke.sk/wps/portal/tuke/university/vyrocne-spravy-a-dokumenty)

1. **Graduate profile and learning objectives**
2. Characteristics of the study program.

*Business Informatics at FEI TU in Košice is an informatics-oriented study program that educates IT graduates in accordance with current trends, especially the use of data science, including big data processing to support decision-making in various types of processes. A graduate of the business informatics engineering study program is able to analyze, design, create and assess the suitability of deployment for various types of information systems. He has the practical skills necessary for the complex processing and analysis of various data samples, whether from business processes, network operations, or sensors. The graduate is able to manage IT services, operate, and innovate information systems of companies, institutions, and administrative as well as public organizations.*

1. Learning objectives.

*The study program is oriented towards the development of deep knowledge and practical skills, including knowledge of contexts and relationships to related fields. It allows students to plan and organize personal learning, develop personal and professional growth in order to fulfill the idea of ​​a knowledge society and a knowledge economy. It develops in students the skills needed to creatively solve theoretical and practical tasks in the field by applying the latest knowledge of science and technology with the support of the latest technologies. As an integral part of the graduate's portfolio, he also develops social and civic competencies, for example through discussions.
The educational goals of this study program integrate not only the strategic goals in the field of education established in the long-term plan of the Technical University in Košice but also the requirements of employers specified in the National System of Occupations and the National System of Qualifications, the EHEA qualification framework, and the National Classification Framework:
1. The student will understand and apply the process of discovering knowledge from databases and other data sources, including methods for obtaining models for more efficient management of complex economic systems. The student will also acquire the skills necessary for solving difficult analytical tasks, i.e. develop and propose own solutions to problems, creatively apply acquired knowledge, and make effective decisions when selecting and using methods and tools to analyze different types of data sets for obtaining different types of target knowledge.
2. The student will acquire basic knowledge in big data processing, methods, approaches, and technologies used in this field. The student will learn about the concepts of grid and cloud computing, distributed, NoSQL and in-memory database systems, and parallel and distributed computing methods. The student will acquire basic skills for designing and implementing applications for big data processing.
3. The student will master the methods and procedures of solving relatively extensive projects in the field of information systems in practice. It will demonstrate the ability to independently and creatively solve complex tasks, even of a research nature, following current methods and procedures used in the relevant field. Independently, creatively and critically approach the analysis of possible solutions and the creation of models. The result must contain a practical output that will be adequately documented and presented during the thesis defense.
4. The student will master advanced methods and techniques of machine learning and advanced technologies for developing information technology systems, focusing on searching, creating, and mining knowledge. He will learn to develop and propose his solutions to learning problems of classification and prediction for use in acquiring knowledge from data from various sources, emphasizing the understanding of the methods used. He will learn to creatively apply the acquired knowledge about a wide range of machine learning methods and make effective decisions when choosing and using machine learning methods, techniques and tools. The student will acquire basic knowledge of determining the quality of software products with an emphasis on optimality for the user.
5. The student will acquire theoretical knowledge of processes and technologies related to the support of knowledge management in organizations. Emphasis is placed on the means of information technology to support knowledge management, but the subject also provides basic knowledge from a managerial point of view. Students will also master the basic principles and methods for information retrieval and selected techniques for extracting knowledge from texts.
6. The student will acquire knowledge in the field of web technologies in modeling the semantic and social web. They will learn to implement modern information and network technologies and develop and propose their own solutions to problems, creatively apply the acquired knowledge, to make effective decisions when choosing and using methods and means of the social web and semantic technologies. The graduate will master and use object-oriented programming languages, database systems, computer networks, visualization products, and products for intelligent interactions. The student will also learn to design and program semantically enriched systems for economic entities, their tools, and approaches. The student will acquire the latest knowledge for mining knowledge, opinions, attitudes, and emotions in the social web with an orientation towards a deep understanding of the semantics of data of an economic and other nature.
7. The student will obtain information about selected new trends in business informatics research, the methodological foundations of research work, and the analysis of information sources.*

1. Learning outcomes.

*The graduate profile includes knowledge, skills, and competencies (covered by relevant subjects):
- can recognize problems in time and name them correctly; he analyzes them from different points of view. He knows how to use the acquired knowledge and can creatively solve problems in new, unfamiliar environments. He knows how to synthesize a new solution and looks at the result with an emphasis on originality, complexity, added value, and ethical and social responsibility.
- Has developed skills to learn independently; demonstrates the knowledge and understanding needed to apply research-related concepts, even in new situations or unfamiliar environments.
- Demonstrates knowledge and understanding beyond a first degree in obtaining and recording user requirements in software development; knows the methodologies of modeling information flows, interfaces or users. Analyzes requirements for an information system/software system and creates an analytical model using the UML language.
- Can clearly and unambiguously communicate information about the procedure and results of solving tasks, conclusions, and justifications to experts, lay recipients, or the public. Masters presentation creation according to the requirements and the situation, the ability to adapt to the audience, and answer questions.
- Demonstrates analytical and critical thinking beyond the scope of the first degree of university studies, uses internal motivation and has a creative and flexible approach to solving assigned tasks. It affects decision-making in projects related mainly to analytical tasks, goals, and solutions in broader contexts beyond the field of study.
- Actively acquires and processes information from primary and secondary sources, including mastering and using modern information technologies. She is ethically and socially responsible in the case of incomplete information or information beyond the field.
- Demonstrates advanced knowledge and understanding of procedures for working with advanced statistical tools or using appropriate scripting environments.
- Can integrate the knowledge, methods, and techniques necessary to perform analytical activities with data of various types from various sources. Can manage complexity and formulate decisions in advanced data, mathematical and statistical analysis to extract added value from disparate data.
- Can analyze, modify and design algorithms, programs, or scripts necessary for data analysis, processing, and visualization of results. At the same time, he can use and deploy tools, platforms, and algorithms for working with extensive data in broader contexts beyond the field of study - the so-called Big data.
- He knows how to use the acquired skills, how to organize his work effectively, and achieves the desired result in the agreed time individually or as a member of a project team. He is ready to handle stressful situations or obstacles. He actively approaches the fulfillment of set tasks, synthesizes new solutions, and comes up with suggestions for changes or improvements that he can communicate clearly and unambiguously.*

1. Professions.

 *Dátový expert 7
 Vývojár multimediálnych aplikácií 7
 Riadiaci pracovník (manažér) riešení informačných techn... 7*

1. **Employability**
2. Evaluation of the study programme graduates employability.

***Year: 2018
Source:*** [***https://uplatnenie.sk/?degree=V%C5%A0&vs=709000000&faculty=709040000&field=6292T00&year=2018***](https://uplatnenie.sk/?degree=V%C5%A0&vs=709000000&faculty=709040000&field=6292T00&year=2018)***Number of graduates: 40
Average salary: 1630 euros
Half of the graduates earned more than 1686 euros
TOP 3 industries in which graduates worked:
- Information and communication (66%)
- Industrial production (10%)
- Construction (7%)
TOP 3 jobs in which graduates worked:
- System administrators (14%)
- Accounting professionals (14%)
- Electrical engineers and energy specialists (10%)
Employment: 78%
Contract workers: 3%
SZČO: 8%
On maternity leave: 3%
Unemployed: 0%
Continuing studies: 0%
Others (working abroad, voluntarily unemployed): 10%

Year: 2019
Source:*** [***https://uplatnenie.sk/?degree=V%C5%A0&vs=709000000&faculty=709040000&field=6292T00&year=2019***](https://uplatnenie.sk/?degree=V%C5%A0&vs=709000000&faculty=709040000&field=6292T00&year=2019)***Number of graduates: 40
Average salary: 1272 euros
Half of the graduates earned more than 1263 euros
TOP 3 industries in which graduates worked:
- Information and communication (63%)
- Professional, scientific and technical activities (10%)
- Industrial production (7%)
TOP 3 jobs in which graduates worked:
- Software developers (20%)
- Specialists in the field of accounting and financial control (17%)
- Application programmers (13%)
Employment: 78%
Contract workers: 8%
SZČO: 8%
On maternity leave: 0%
Unemployed: 8%
Continuing studies: 0%
Others (working abroad, voluntarily unemployed): 0%***

1. If applicable, indicate the successful graduates of the study programme.

*Here are some examples of successful graduates of this study program:
• Pavol Miroššay, CEO & Chairman of the Board at Slovensko IT, a.s
• Karol Grulling, Program Director at Ness Digital Engineering
• Juraj Cichanský, Business Intelligence Developer at IT-Impulse s.r.o.
• Vladimír Gašpar, Software Engineer - Senior Analyst at Accenture
• Martin Miškuf, Developer at Gazprom Marketing & Trading. London
• Karin Baffy, Salesforce Marketing Cloud Consultant, IBM
• Peter Koncz, Senior Data Analyst at NESS Košice
• Michaela Kozelová, Head of Team at Deutsche Telekom IT Solutions Slovakia
• Cecília Havrilová, Senior Salesforce.com Consultant at IBM
• Peter Bereščák, Associate Director - Sr. MicroStrategy Developer at UBS Switzerland
• Martin Repka, Engineering Manager at Teradata
• Martin Petrík, SAP Client Capability Lead at DXC Technology
• Dominik Mesároš, Python process automation Developer at Visma Labs
• Roman Veselý, FrontEnd Technical Leader at Eleveo
• Adela Tušanová, IT Project Manager & Process Consultant at Deutsche Telekom IT Solutions Slovakia*

1. Evaluation of the study programme quality by employers (feedback).

*Completed forms "Statement of authority from practice to the SP" from two representatives of employers form an attachment to the minutes of the meeting of the SP HI Council (2nd stage) dated 6/29/2022.*

1. **Structure and content of the study programme**
2. *The institution describes the rules for the design of study plans within the study programme.*
3. *The institution compiles the recommended study plans for individual study paths.*
4. *The study plan generally states:*
* *individual parts of the study programme (modules, courses, and other relevant school and extracurricular activities, if they contribute to the achievement of the required learning outcomes and allow to obtain credits) in the structure of compulsory, compulsory optional and optional courses,*
* *profile courses of the relevant study path (specialization) within the study programme,*
* *for each learning part/course the learning outcomes, related criteria and rules of their assessment so that the learning objectives of the study programme are met (they can be stated only in the Course information sheets, in the Learning outcomes section and in the Course completion requirements),*
* *prerequisites, co-requisites and recommendations for the design of the study plan,*
* *for each learning part of the study plan/course the applied educational activities (lecture, seminar, exercise, final work, project work, laboratory work, internship, excursion, field practice, professional practice, state exam, etc. or their combinations) suitable for achieving learning outcomes,*
* *methods by which the educational activity is delivered – present, distant, combined (in accordance with the Course information sheets),*
* *outline/syllabus of the course,*
* *student workload ("extent" of individual courses and educational activities separately),*
* *credits allocated to each part based on the learning outcomes achieved and the workload involved,*
* *the person responsible for the course (or a partner organization/person) with an indication of the contact details,*
* *course teachers (or participating partner organizations/persons) (may also be mentioned in Course information sheets),*
* *places where the courses are taught (if the study programme is delivered at several workplaces).*
1. *The institution states the number of credits, the achievement of which is a condition for proper completion of studies and 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.*
2. *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:*
* *number of credits for compulsory courses required for proper completion of studies/completion of a part of studies,*
* *number of credits for compulsory optional courses required for the proper completion of studies/completion of a part of studies,*
* *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,*
* *number of credits for professional practice required for the proper completion of studies/completion of a part of studies,*
* *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.*
1. *The institution describes the rules for verification of learning outcomes, students assessment and the possibilities of appealing against the assessment.*
2. *Conditions for recognition of studies or a part of studies.*
3. *The institution states the topics of final theses of the study programme (or a link to the list).*
4. *The institution describes or refers to:*
* *rules for the assignment, processing, opposition, defense and evaluation of final theses in the study programme,*
* *opportunities and procedures for participation in student mobility,*
* *rules for adherence to academic ethics and rules for drawing consequences,*
* *procedures applicable to students with special needs,*
* *procedures for filing complaints and appeals by students.*

*The Internal Quality Assurance System of Higher Education at the Technical University of Košice:*[***https://tuke.sk/wps/portal/tuke/university/vnutorny-system-kvality/studijne-programy***](https://tuke.sk/wps/portal/tuke/university/vnutorny-system-kvality/studijne-programy)

*Basic Internal Regulations:*

[***https://tuke.sk/wps/portal/tuke/university/legislativa-univerzity/interne-predpisy-a-smernice***](https://tuke.sk/wps/portal/tuke/university/legislativa-univerzity/interne-predpisy-a-smernice)

*Study plans are available in MAIS:*

[***https://maisportal.tuke.sk/portal/studijneProgramy.mais?spsId=48670149&arksId=47507289&fakultaId=6878&lang=sk***](https://maisportal.tuke.sk/portal/studijneProgramy.mais?spsId=48670149&arksId=47507289&fakultaId=6878&lang=sk)

1. **Course information sheets of the study programme**

*Course information sheets are available in MAIS at* [***https://maisportal.tuke.sk/portal/studijneProgramy.mais?spsId=48670149&arksId=47507289&fakultaId=6878&lang=sk***](https://maisportal.tuke.sk/portal/studijneProgramy.mais?spsId=48670149&arksId=47507289&fakultaId=6878&lang=sk)

1. **Current academic year plan and current schedule** (or hyperlink).

[***https://www.fei.tuke.sk/sk/studium/bakalarske-studium/harmonogram-studia***](https://www.fei.tuke.sk/sk/studium/bakalarske-studium/harmonogram-studia)

1. **Persons responsible for the study programme**
2. A person responsible for the delivery, development, and quality of the study programme (indicating the position and contact details).

*prof. Ing. Ján Paralič, PhD., jan.paralic@tuke.sk, +421 55 6024128*

1. List of persons responsible for the profile courses of the study programme with the assignment to the course and provided with a link to the central Register of university staff and with contact details (they may also be listed in the study plan).

 *prof. Ing. Ján Paralič, PhD., jan.paralic@tuke.sk, +421 55 6024128
 doc. Ing. František Babič, PhD., frantisek.babic@tuke.sk, +421 55 6022226,+421 55 6024220
 doc. Ing. Peter Butka, PhD., peter.butka@tuke.sk, +421 55 6024280
 doc. Ing. Peter Bednár, PhD., peter.bednar@tuke.sk, +421 55 6024219
 prof. Ing. Kristína Machová, PhD., kristina.machova@tuke.sk, +421 55 6024142*

1. Reference to the research/art/teacher profiles of persons responsible for the profile courses of the study programme.

***prof. Ing. Ján Paralič, PhD.,*** [***https://res.tuke.sk/api/vupch/1665/export***](https://res.tuke.sk/api/vupch/1665/export)***doc. Ing. František Babič, PhD.,*** [***https://res.tuke.sk/api/vupch/8080/export***](https://res.tuke.sk/api/vupch/8080/export)***doc. Ing. Peter Butka, PhD.,*** [***https://res.tuke.sk/api/vupch/6083/export***](https://res.tuke.sk/api/vupch/6083/export)***doc. Ing. Peter Bednár, PhD.,*** [***https://res.tuke.sk/api/vupch/2950/export***](https://res.tuke.sk/api/vupch/2950/export)***prof. Ing. Kristína Machová, PhD.,*** [***https://res.tuke.sk/api/vupch/1367/export***](https://res.tuke.sk/api/vupch/1367/export)

1. List of teachers of the study programme with the assignment to the course and provided with a link to the central Register of university staff and with contact details (may be a part of the study plan).

*Study plans Study plans are available in MAIS* *system* [***https://maisportal.tuke.sk/portal/studijneProgramy.mais?spsId=48670149&arksId=47507289&fakultaId=6878&lang=sk***](https://maisportal.tuke.sk/portal/studijneProgramy.mais?spsId=48670149&arksId=47507289&fakultaId=6878&lang=sk)

1. List of the supervisors of final theses with the assignment to topics (indicating the contact details).

*List of final theses are available in MAIS system.*

1. Reference to the research/art/teacher profiles of the supervisors of final theses.

*Available at*[***https://at.tuke.sk***](https://at.tuke.sk)

1. Student representatives representing the interests of students of the study programme (name and contact details).

 *Lívia Muranková, livia.murankova@student.tuke.sk*

1. Study advisor of the study programme (indicating contact details and information on the access to counseling and on the schedule of consultations).

*doc. Ing. František Babič, PhD., frantisek.babic@tuke.sk, +421 55 6022226,+421 55 6024220*

1. Other supporting staff of the study programme – assigned study officer, career counselor, administration, accommodation department, etc. (with contact details).

[***https://www.fei.tuke.sk/sk/fakulta/dekanat/studijne-oddelenie***](https://www.fei.tuke.sk/sk/fakulta/dekanat/studijne-oddelenie)

1. **Spatial, material, and technical provision of the study programme and support**
2. 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 centers, training schools, classroom-training facilities, sports halls, swimming pools, sports grounds).

***Specialized laboratories: Data analytics laboratory (24 places/12 PCs), Big data processing laboratory (18/9). These laboratories provide hardware (PC) and software equipment necessary for teaching relevant profile subjects and solving diploma theses.
From the mentioned laboratories, the supporting technical and software infrastructure created and operated within the Center of Economic Informatics at the Department of Cybernetics and Artificial Intelligence of the FEI is accessible, which consists of:
1. A private cloud cluster consisting of 10 servers with a total capacity of 156 CPUs and 724 GB of RAM with a storage capacity of more than 6 TB and shared disk space with a capacity of more than 100 TB; including servers equipped with cards for GPU calculations (TESLA K-40c, Quatro RTX4000, Quatro P4000).
2. Integrated DataLab cloud environment for research and teaching, which provides tools for data analytics and big data processing technologies, including database storage and frameworks for distributed computing and deep learning:*** [***https://datalab.kkui.fei.tuke.sk***](https://datalab.kkui.fei.tuke.sk)***TECHNICOM University Science Park (***[***https://uvptechnicom.sk/sk):***](https://uvptechnicom.sk/sk%29%3A) ***Startup center, Incubator, business acceleration
The University Library (***[***http://www.lib.tuke.sk/)***](http://www.lib.tuke.sk/%29) ***provides conference rooms to arrange lectures or events of partners from practice, such as conferences, hackathons, workshops, etc.
Additional information is available at:*** [***https://hi.kkui.fei.tuke.sk/laboratoria-inzinierske-studium.html***](https://hi.kkui.fei.tuke.sk/laboratoria-inzinierske-studium.html)

1. 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.).

***Access to study literature and information databases is provided through the TUKE University Library:*** [***http://www.lib.tuke.sk/Library/Home/DigitalLibrary***](http://www.lib.tuke.sk/Library/Home/DigitalLibrary)***Access to information technology is ensured through the Institute of Computing Technology TUKE:*** [***https://uvt.tuke.sk/wps/portal/uv/software***](https://uvt.tuke.sk/wps/portal/uv/software)***In addition, within the Center for Business Informatics at the FEI Department of Cybernetics and Artificial Intelligence, we operate:
1. A private cloud cluster consisting of 10 servers with a total capacity of 156 CPUs and 724 GB of RAM with a storage capacity of more than 6 TB and shared disk space with a capacity of more than 100 TB; including servers equipped with cards for GPU calculations (TESLA K-40c, Quatro RTX4000, Quatro P4000).
2. Integrated DataLab cloud environment for research and teaching, which provides tools for data analytics and big data processing technologies, including database storage and frameworks for distributed computing and deep learning:*** [***https://datalab.kkui.fei.tuke.sk***](https://datalab.kkui.fei.tuke.sk)

1. 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.

*Distance education is a full-fledged substitute for face-to-face education. The scope of distance learning is determined by the relevant situation and the measures taken that limit the face-to-face form of study.
As part of distance education, suitable active learning methods are used to provide students with interactive, compelling, and interesting teaching.
As a rule, distance education takes place through a software platform supporting educational activities and collaborative study Microsoft Teams. Lectures and other educational activities take place within this platform, respecting the requirements and possibilities of students.
Access to the Microsoft Teams platform is free for both TUKE employees and students.*

***Study materials are available through the Microsoft Teams software platform supporting educational activities and collaborative study or the Moodle e-learning portal, which is also used to verify students' knowledge and the level of achievement of planned educational outcomes. Lectures, exercises or consultations with students also take place via the CISCO Webex communication platform. Access to these tools is free for both TUKE employees and students.***[***https://uvt.tuke.sk/wps/portal/uv/software/microsoft-office365***](https://uvt.tuke.sk/wps/portal/uv/software/microsoft-office365)[***https://uvt.tuke.sk/wps/portal/uv/sluzby/webex/prihlasenie-sa-do-webex***](https://uvt.tuke.sk/wps/portal/uv/sluzby/webex/prihlasenie-sa-do-webex)[***http://moodle.tuke.sk/***](http://moodle.tuke.sk/)[***https://kkui.fei.tuke.sk/chi/moodle/***](https://kkui.fei.tuke.sk/chi/moodle/)

*The procedure of transition from full-time to distance learning is determined by the situation and conditions under which this procedure must be implemented. A transition to complete distance education is considered, i.e. lectures, computational or laboratory exercises, and seminars in online form without difference in the number of graduating students. The transition to a hybrid form means online lectures due to higher numbers of students and exercises or seminars in face-to-face form while respecting the relevant measures and restrictions. The decision on the appropriate procedure takes place at the level of the faculty college of the dean and then the department management.

In cases where the situation does not allow the defense of final theses to be carried out in a standard way, the FEI Dean's Instruction for ensuring the availability of materials to the committee for the defense of bachelor's, engineering and doctoral theses through audiovisual transmission (PD/FEITUKE/05/20) is applied to FEI TUKE.*

1. Institution partners in providing educational activities for the study programme and the characteristics of their participation.

*External partners participate in the provision of educational activities in the business informatics engineering study program in several ways:
1. By providing a group of elective subjects that appropriately complement the profile of the graduate. These are 6 subjects within the SAP academy (teaching provided by members of the IT Valley Košice association), which are divided into two triads of related subjects. In addition, it is a subject of Skills for Success, where several companies associated with the Business Service Center of the Forum under the banner of the American Chamber of Commerce in Slovakia are involved.
- Deutsche Telekom IT Solutions Slovakia: transferable competences – verbal and non-verbal communication (seminar), transferable competences – time management (seminar).
- IBM Košice: transferable competences – feedback (seminar), transferable competences – teamwork (seminar).
- NIDEC Global Appliance Košice: transferable competences – conflict management (seminar).
- AT&T Košice: transferable competences – presentation skills (seminar).
2. In the form of invited lectures from practice, usually in the scope of one, maximum two lectures per semester. More invited lectures from practice are within the subject Current trends in business informatics.
3. Review and support of teaching materials for the subject Discovering knowledge in databases (IBM Košice).
4. Definition and cooperation on the solution of diploma theses.
5. Participation in the commission for state final exams.*

1. Characteristics of the possibilities for social, sports, cultural, spiritual and social activities.

[***https://studium.tuke.sk/wps/portal/studium/univerzita/info-boxy-texty/studentsky-zivot***](https://studium.tuke.sk/wps/portal/studium/univerzita/info-boxy-texty/studentsky-zivot)

[***https://ktv.tuke.sk/wps/portal***](https://ktv.tuke.sk/wps/portal)

1. Possibilities and conditions for participation of the study programme students in mobilities and internships (indicating contact details), application instructions, rules for recognition of this education.

[***https://www.tuke.sk/wps/portal/tuke/university/usek-pre-zahranicne-vztahy/referat-mobilitnych-programov***](https://www.tuke.sk/wps/portal/tuke/university/usek-pre-zahranicne-vztahy/referat-mobilitnych-programov)

[***https://erasmus.tuke.sk***](https://erasmus.tuke.sk)

1. **Required abilities and admission requirements for the study programme applicants**
2. Required abilities and necessary admission requirements.

[***https://www.fei.tuke.sk/sk/studium/pre-uchadzacov/podmienky-prijatia***](https://www.fei.tuke.sk/sk/studium/pre-uchadzacov/podmienky-prijatia)

1. Admission procedures.

[***https://www.fei.tuke.sk/sk/studium/pre-uchadzacov/podmienky-prijatia***](https://www.fei.tuke.sk/sk/studium/pre-uchadzacov/podmienky-prijatia)

1. Results of the admission process over the last period.

[***https://www.fei.tuke.sk/sk/studium/inzinierske-studium/v%C3%BDsledky-prij%C3%ADmacieho-konania***](https://www.fei.tuke.sk/sk/studium/inzinierske-studium/v%C3%BDsledky-prij%C3%ADmacieho-konania)

1. **Feedback on the quality of provided education**
2. Procedures for monitoring and evaluating students' opinions on the study programme quality.

*Organizational guideline Education H1*

[***https://legislativa.tuke.sk/legislativa/sekcia-pre-zamestnancov/organizacne-smernice/hlavne-procesy/h1-vzdelavanie/os\_tuke\_h1\_01\_vzdelavanie\_vyd03.pdf/view***](https://legislativa.tuke.sk/legislativa/sekcia-pre-zamestnancov/organizacne-smernice/hlavne-procesy/h1-vzdelavanie/os_tuke_h1_01_vzdelavanie_vyd03.pdf/view)

1. Results of student feedback and related measures to improve the study programme quality.

[***https://www.tuke.sk/wps/portal/tuke/studies/studentske-ankety***](https://www.tuke.sk/wps/portal/tuke/studies/studentske-ankety)

1. Results of graduate feedback and related measures to improve the study programme quality.

*We are currently developing a system for collecting and evaluating alumni feedback.*

1. **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.).

*The Internal Quality Assurance System of Higher Education at the TUKE:*[***https://tuke.sk/wps/portal/tuke/university/vnutorny-system-kvality/studijne-programy***](https://tuke.sk/wps/portal/tuke/university/vnutorny-system-kvality/studijne-programy)

*Study Related Legislation:*

[***https://www.tuke.sk/wps/portal/tuke/studies/legislativa-studia***](https://www.tuke.sk/wps/portal/tuke/studies/legislativa-studia)

*Basic Internal Regulations:*

[***https://tuke.sk/wps/portal/tuke/university/legislativa-univerzity/interne-predpisy-a-smernice***](https://tuke.sk/wps/portal/tuke/university/legislativa-univerzity/interne-predpisy-a-smernice)