**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 Manufacturing Technologies*

**Address of the faculty:** *Bayerova 1, 080 01 Prešov*

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.

*Computer Aided Manufacturing Technologies, number 104688*

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

*3. degree, ISCED code 864*

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.

*Mechanical Engineering*

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.

*PhD.*

1. Form of study.

*part 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.

*4*

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.

*Graduates of the third degree of the study program "Computer support of production technologies" in the Mechanical Engineering field of study analyze, complete and then independently apply a range of acquired scientific knowledge focused on the areas of CAx technologies, reverse engineering, advanced computer analyzes and mixed reality to the solution of complex and innovative projects.
 They are able to carry out individual scientific activities with the aim of developing the scientific field as well as solving practical tasks requiring new approaches and methods. During their studies, they will acquire knowledge in the field of application of existing scientific procedures and experimental research with the aim of educating independently scientific thinking graduates of the third level of university studies.*

1. Learning objectives.

*The aim of the third stage of the study program "Computer support of production technologies" in the field of Mechanical Engineering is to continuously build on and develop the knowledge acquired in the second stage of university studies, so that the graduate acquires complex knowledge during his studies by systematic study of current scientific publications and experimental activities with the aim of educating highly specialized experts and scientific -researchers.
The graduate must be able to independently solve complex scientific and research tasks focused on the areas of CAx systems, advanced scientific analyzes and simulations, reverse engineering, as well as the implementation of elements of mixed reality in their solution. automation of technological processes and production management with measurement of current trends in the engineering industry.

Based on the above, the knowledge, skills and competences of graduates correspond to the relevant level of the Qualification Framework in the European Higher Education Area.

Knowledge (level 8):
The graduate has a systematic, comprehensive and comprehensive set of knowledge in a specialized field, including knowledge and understanding of the relationships to other parts of the field, and to related fields, he has a deep knowledge of theories, sophisticated methods and procedures of science and research at a level corresponding to international criteria.

Skills (Level 8):
The graduate can actively acquire new knowledge and information, critically analyze and reevaluate them, and use them in theory and practical applications for the development of the field. scientific and innovative development in the field and in related fields and use it in the direction and development of the field, with the integration of knowledge from different areas.

Competencies (level 8):
The graduate is able to plan and initiate the solution of complex problems/projects, including the formulation of goals, means and methods in the field of development in the field. He is able to assess and modify his own professional activity in a wider context, in relation to the long-term impact in the given field and from the point of view of social, ethical, environmental and of other criteria, he is ready to formulate information about the outputs and conclusions of scientific, research and development work at the international level and to manage large-scale research tasks and teams.

Link to the relevant level of the formal education system:
Completion of the study program of the third level of higher education.

Proof of education obtained at the given level of the qualification framework
University diploma and diploma supplement obtained after completing the study program of the third level of higher education.*

1. Learning outcomes.

*Graduates of the third degree of the study program "Computer support of production technologies" are able to apply for executive and managerial positions with a broad focus on all areas of engineering branches in industry. The acquired knowledge in the field of solving complex tasks and the most up-to-date scientific methods and procedures predisposes them to lead research teams with their own benefit for the business sphere, but also for non-manufacturing enterprises and research institutions.
The study subjects are systematically organized into individual semesters of teaching, where in the first semesters the student will acquire knowledge of the application of scientific methods to solve individual tasks according to the nature of the dissertation topic, by completing which he will acquire a wide portfolio of scientific knowledge and procedures for solving tasks. The main part of the study is oriented towards the doctoral student's own scientific research activity, the result of which is the dissertation itself.*

1. Professions.

 *Výskumný a vývojový pracovník v R&D vo výrobných podnikoch
 Riadiaci pracovník (manažér) výskumu, vývoja a technického rozvoja v moderných výrobách
 Vedeckovýskumný pracovník v oblasti CAE
 CAD konštruktér strojov a zariadení
 Projektový manažér procesov automatizovaných výrob*

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

***Graduates of this study program can work in the research and development departments of manufacturing companies using cutting-edge computing technology, in higher management positions, in the management of departments using computing technology for the development of new products and their production, in the institutes of the Slovak Academy of Sciences, in the faculties of technical universities and technical universities as independent researchers. They can also be applied in companies and enterprises focused on the sale and use of computer production support systems, where a higher level of technical education is required.

Year: 2018
Source:*** [***https://uplatnenie.sk/?degree=V%C5%A0&vs=709000000&faculty=709080000&field=2307V06&year=2018***](https://uplatnenie.sk/?degree=V%C5%A0&vs=709000000&faculty=709080000&field=2307V06&year=2018)***Due to the low number of graduates, no application data is available.

Year: 2019
Source:*** [***https://uplatnenie.sk/?degree=V%C5%A0&vs=709000000&faculty=709080000&field=2307V06&year=2019***](https://uplatnenie.sk/?degree=V%C5%A0&vs=709000000&faculty=709080000&field=2307V06&year=2019)***Due to the low number of graduates, no application data is available.***

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

*Ing., Dušan Paulišin, PhD. - production director of Spinea-Technologies s.r.o., Prešov
Ing. Jaroslav Petrus, PhD. - technical adviser to GRUMAT. sro, Prague
Ing. Jozef Mikita, PhD. - executive director of Regada s.r.o., Prešov*

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

*The opinion of the employers&#39; representatives is part of the Minutes of the RŠP meeting.*

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=49292203&arksId=47507289&fakultaId=6873&lang=sk***](https://maisportal.tuke.sk/portal/studijneProgramy.mais?spsId=49292203&arksId=47507289&fakultaId=6873&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=49292203&arksId=47507289&fakultaId=6873&lang=sk***](https://maisportal.tuke.sk/portal/studijneProgramy.mais?spsId=49292203&arksId=47507289&fakultaId=6873&lang=sk)

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

[***https://www.fvt.tuke.sk/studenti/harmonogram-studia***](https://www.fvt.tuke.sk/studenti/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).

*Dr. h. c. mult. prof. Ing. Jozef Zajac, CSc., jozef.zajac@tuke.sk, +421 55 6026377*

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).

 *Dr. h. c. mult. prof. Ing. Jozef Zajac, CSc., jozef.zajac@tuke.sk, +421 55 6026377
 prof. Ing. Katarína Monková, PhD., katarina.monkova@tuke.sk, +421 55 6026370
 prof. Ing. Marek Kočiško, PhD., marek.kocisko@tuke.sk, +421 55 6026354
 doc. Ing. Petr Baron, PhD., petr.baron@tuke.sk, ${guarantee.phone}
 doc. Ing. Jozef Dobránsky, PhD., jozef.dobransky@tuke.sk, +421 55 6026350*

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

***Dr. h. c. mult. prof. Ing. Jozef Zajac, CSc.,*** [***https://res.tuke.sk/api/vupch/2773/export***](https://res.tuke.sk/api/vupch/2773/export)***prof. Ing. Katarína Monková, PhD.,*** [***https://res.tuke.sk/api/vupch/1702/export***](https://res.tuke.sk/api/vupch/1702/export)***prof. Ing. Marek Kočiško, PhD.,*** [***https://res.tuke.sk/api/vupch/4254/export***](https://res.tuke.sk/api/vupch/4254/export)***doc. Ing. Petr Baron, PhD.,*** [***https://res.tuke.sk/api/vupch/1764/export***](https://res.tuke.sk/api/vupch/1764/export)***doc. Ing. Jozef Dobránsky, PhD.,*** [***https://res.tuke.sk/api/vupch/7036/export***](https://res.tuke.sk/api/vupch/7036/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=49292203&arksId=47507289&fakultaId=6873&lang=sk***](https://maisportal.tuke.sk/portal/studijneProgramy.mais?spsId=49292203&arksId=47507289&fakultaId=6873&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).

 *Lukáš Štafura, lukasstafura@gmail.com*

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. Martin Pollák, PhD., martin.pollak@tuke.sk, +421 55 6026460*

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

[***https://www.fvt.tuke.sk/kontakt/zoznam-kontaktov***](https://www.fvt.tuke.sk/kontakt/zoznam-kontaktov)

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).

***FVT TUKE is located in Prešov in two separate complexes. The first complex houses modern laboratories, computer rooms and lecture rooms, including an auditorium for 280 students.
• Department of automotive and production technologies,
• Department of computer support for production technologies,
• Department of design and monitoring of technological systems,
• Department of Process Technology.

In this separate building, there are specialized classrooms for the teaching of basic natural sciences and social sciences, a lecture room for 64 students as well as other top laboratories of the following departments:
• Department of Industrial Engineering and Informatics,
• Department of Natural Sciences and Humanities.***[***https://www.fvt.tuke.sk/studenti/infrastruktura***](https://www.fvt.tuke.sk/studenti/infrastruktura)

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 information resources is also possible through the TUKE computer network. The TUKE computer network and the basic network services operated on it form the TUNET (Technical University Network) communication infrastructure. TUNET is implemented by an infrastructure that connects all relevant TUKE buildings, as well as workplaces within Košice and Prešov (FVT TUKE).

Library services are concentrated in the University Library (UK) of the Technical University in Košice, which includes all activities from searching in the library fund to searching for information in the online catalog and available databases (WoS, Scopus, Springer Link, etc.) to making available specific documents in printed or electronic form in the UK TUKE fund (the total number of documents is 186,966, of which 64,228 books, 40,046 textbooks, 7,779 anthologies, 6,341 bound periodicals, 7,718 electronic documents, 31,846 final and qualifying theses). UK also provides: loan services; consulting services; reference services; digital services; MVS and MKVS service; education and training for writing theses.

• University library:*** [***http://www.lib.tuke.sk/***](http://www.lib.tuke.sk/)***• Digital library and lending services:*** [***http://www.lib.tuke.sk/Library/Home/DigitalLibrary***](http://www.lib.tuke.sk/Library/Home/DigitalLibrary)***• Online catalogs:*** [***https://opac.lib.tuke.sk/tukeopac?fn=\*searchform***](https://opac.lib.tuke.sk/tukeopac?fn=*searchform)***• Online repository of electronic books:*** [***https://ebooks.lib.tuke.sk/login***](https://ebooks.lib.tuke.sk/login)***• Final theses:*** [***https://portal.lib.tuke.sk/#/login***](https://portal.lib.tuke.sk/#/login)***• Database of evidence of publication activity:*** [***https://portal.lib.tuke.sk/#/login***](https://portal.lib.tuke.sk/#/login)***The IS MAIS university information system (***[***https://mais.tuke.sk/)***](https://mais.tuke.sk/%29) ***is used to support comprehensive education in all three levels of higher education.***

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.

*The distance form of teaching at FVT TUKE is sufficiently prepared, supported, tested and can be implemented in the entire scope of the subject or in combination (part of teaching in face-to-face and part in distance form).
The content of the subject, the conditions for its successful completion and the necessary study literature are contained in the information sheet of the subject published on the website of the faculty and in the IS MAIS university information system. The necessary study literature is also available through the TUKE University Library.
Study materials (pdf documents, presentations, videos) for students are available through the university's LMS Moodle TUKE system, which also enables students to communicate directly with teachers, consult on the subject and take tests. Teaching can also be carried out using the Webex and Microsoft Teams platforms. In the FVT TUKE building on Štúrová street no. 31 in Prešov, there is a secure room with complete multimedia equipment for conference transmission.*

***Information on distance education, instructions and overviews are available on the university website:***[***https://mais.tuke.sk/***](https://mais.tuke.sk/)[***https://uvt.tuke.sk/wps/portal/uv/sluzby/informacne-systemy***](https://uvt.tuke.sk/wps/portal/uv/sluzby/informacne-systemy)[***https://mail.tuke.sk/***](https://mail.tuke.sk/)[***https://moodle.tuke.sk/***](https://moodle.tuke.sk/)[***https://tuke.webex.com/***](https://tuke.webex.com/)[***https://uvt.tuke.sk/wps/portal/uv/sluzby/webex***](https://uvt.tuke.sk/wps/portal/uv/sluzby/webex)[***https://www.microsoft.com/sk-sk/microsoft-teams/log-in***](https://www.microsoft.com/sk-sk/microsoft-teams/log-in)[***https://uvt.tuke.sk/wps/portal/uv/software/microsoft-office365***](https://uvt.tuke.sk/wps/portal/uv/software/microsoft-office365)***www.lib.tuke.sk***

*Teaching at FVT TUKE takes place in a face-to-face format, but teaching staff are fully prepared to switch to a distance (online) or combined format if necessary (e.g. a situation similar to the COVID-19 pandemic). In this case, teaching will be carried out using Webex, Microsoft Teams platforms and through the LMS Moodle TUKE university portal according to the valid schedule for individual degrees and years of study in the current semester of the academic year. Student and staff e-mails, the IS MAIS university information system, faculty websites and social networks (Facebook, Instagram, YouTube) will also be used to provide information about teaching. Students will be informed about this step by the vice dean for education via student email and announcements on the faculty website.*

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

***Cooperation in the pedagogical field:
• Cooperation in the implementation of professional - production and technical practice for students of the ŠP (Spice project).
• Cooperation in the application of SP students during and after their studies.
• Creation of joint research teams from educators, researchers, undergraduate, engineering and doctoral students and practical staff.
• Cooperation in the creation of teaching texts, scripts, university textbooks and in reviewing publications.
• Cooperation in consulting and opposing bachelor's, diploma and dissertation theses.
• Common or mutual use of laboratories of participating workplaces and companies in solving research projects, preparing bachelor's, diploma and doctoral theses.
• Mutual participation in state commissions and commissions for doctoral examinations and in opposing bachelor's, diploma and doctoral theses.
• Design and implementation of models for the presentation of the function of taught knowledge within the framework of increasing the quality and clarity of the teaching process.

Partners:*** [***https://www.fvt.tuke.sk/sluzby/zmluvni-partneri***](https://www.fvt.tuke.sk/sluzby/zmluvni-partneri)

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.fvt.tuke.sk/uchadzaci/dokumenty***](https://www.fvt.tuke.sk/uchadzaci/dokumenty)

1. Admission procedures.

[***https://www.fvt.tuke.sk/uchadzaci/dokumenty***](https://www.fvt.tuke.sk/uchadzaci/dokumenty)

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

[***https://www.fvt.tuke.sk/uchadzaci/dokumenty***](https://www.fvt.tuke.sk/uchadzaci/dokumenty)

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)