**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.

*elektroenergetika, number 105112*

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

*1. degree, ISCED code 645*

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.

*Electrical and Electronics 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.

*Bc.*

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.

 *english language*

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

*3*

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.

*A graduate of the bachelor's study program in electrical engineering has knowledge in the field of natural sciences, which is followed by knowledge of theoretical electrical engineering as well as professional subjects focused on electrical engineering, electrical machines, lighting technology, electrical engineering materials, high-voltage technology, classical sources of electricity and renewable sources of electricity.
He is able to describe the processes taking place in electrical engineering and electric power engineering during the acquisition, modification, transformation, transport, accumulation, distribution, and consumption of various forms of energy based on the use of fossil fuels, nuclear fuels, and renewable energy sources.
He is able to perform jobs that do not require a second-level university education. He will be employed as an electric power equipment technician in companies whose activities are related to electricity production, construction, operation, designing, increasing efficiency, and reducing the energy consumption of electric power equipment and systems.*

1. Learning objectives.

*A graduate of the bachelor's study program in electrical engineering will acquire knowledge and skills in the field of technical and natural science disciplines, in the field of electrical engineering, electric power engineering, production, transmission and distribution of electrical energy, high voltage technology, industrial electrical engineering, electronics and the Internet of Things (IoT), measurement technology, lighting techniques, materials and technologies for electrical engineering and electronics, theoretical electrical engineering and circuit theory.
FEI TUKE respects the diversity of students by allowing the student to choose the topics of semester assignments and projects, as well as the topic of the final thesis, the option of choosing mandatory elective subjects, choosing the place of implementation of the internship, creating solution teams when processing projects and assignments, while students themselves create a function in the solving team. FEI TUKE creates a closer link between the study program and the requirements of the labour market by defining educational outcomes, which enables students to make an informed choice, mandatory, and optional subjects are equivalent subjects and profile the knowledge and competencies of a graduate of the bachelor's study program in Electrical Engineering.
The main goal of the study in the first degree of the study program is to acquire abilities, skills, and competencies to graduate.
- met the expectations of practice, the labour market, and society,
- acquired the necessary educational basis for continuing education at the second level and his personal and social development,
- met the expectations for the performance of the profession,
- acquired the necessary habits that will allow him to quickly adapt to the needs of the labour market, which will enable him to apply to a wide range of professions related to the field.*

1. Learning outcomes.

*Graduate of the bachelor's study program Electrical Power Engineering:
- He has general knowledge in the field of technical and scientific disciplines, in the field of electrical engineering, electric power engineering, production, transmission, and distribution of electrical energy, high voltage technology, industrial electrical engineering, electronics, and the Internet of Things (IoT) system, measurement technology, lighting technology, materials and technologies for electrical engineering and electronics, theoretical electrical engineering and circuit theory and their understanding in a way that indicates a professional approach to work and to the profession and has competencies usually demonstrated by putting and defending arguments and solving problems, specific tasks in the field of study Electrical Engineering, in the study program Electrical Energy.
- He has skills in the field of measuring electrical quantities and designing electrical equipment with the support of relevant software tools. He can use information about the coordination of the work of specialists in the participating disciplines and will use them to an appropriate extent when processing his own proposals. He has sufficient knowledge for the analysis of problems and their subsequent specification for the relevant participating profession. When designing, he uses knowledge about methods and techniques of measuring electrotechnical quantities, and about methods of creating projects with computer support.
- Is able to obtain and interpret relevant data and facts in the Electrical Engineering field of study, in the Electrical Power Engineering study program, and based on them to make ethical and socially responsible decisions. He knows how to communicate information, concepts, principles, problems, and solutions to professional and lay audiences. Has the developed educational skills necessary to continue further studies with a high degree of independence.*

1. Professions.

 *Energetik technológ 6
 Špecialista elektrokonštruktér 6
 Technológ káblovej výroby 6
 Technik automatizovaných riadiacich systémov energetick... 6
 Technik ochrany v riadiacom centre v jadrovej elektrárn... 6
 Technik rozvoja distribučnej sústavy a rozvodu plynu 6
 Špecialista riadenia bezpečnosti v energetickej prevádz... 6
 Technik havarijného plánovania a pripravenosti v jadrov... 6
 Technik prevádzky vodných elektrární 6
 Technik automatizovaných riadiacich systémov energetick... 6
 Technik automatizovaných riadiacich systémov energetick... 6
 Technik ochrany v riadiacom centre v jadrovej elektrárn... 6*

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=2675R02&year=2018***](https://uplatnenie.sk/?degree=V%C5%A0&vs=709000000&faculty=709040000&field=2675R02&year=2018)***Number of graduates: 29
Employed: 3%
Contract workers: 0%
SZČO: 3%
On maternity leave: 0%
Unemployed: 24%
Continuing studies: 66%
Others (working abroad, voluntarily unemployed): 3%

Year: 2019
Source:*** [***https://uplatnenie.sk/?degree=V%C5%A0&vs=709000000&faculty=709040000&field=2675R02&year=2019***](https://uplatnenie.sk/?degree=V%C5%A0&vs=709000000&faculty=709040000&field=2675R02&year=2019)***Number of graduates: 35
Employed: 3%
Contract workers: 0%
SZČO: 0%
On maternity leave: 0%
Unemployed: 0%
Continuing studies: 97%
Others (working abroad, voluntarily unemployed): 0%***

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

***Graduate Year of completion Position achieved
Ing. Jozef Dudiak, PhD. 2011 Head of the department of collection and administration of measured data, Východoslovenská distribučná, a.s. (***[***https://www.linkedin.com/in/jozef-dudiak-381423155/)***](https://www.linkedin.com/in/jozef-dudiak-381423155/%29)***Ing. Jozef Király, PhD. 2009 Head of the projection and innovation department, Montin s.r.o. (***[***https://www.linkedin.com/in/jozef-kiraly-195bb453/)***](https://www.linkedin.com/in/jozef-kiraly-195bb453/%29)***Ing. Mário Turčík, PhD. 2008 Executive Director of the Trade Section, Slovenská elektrizačná prenosová sústava, a.s. (***[***https://www.linkedin.com/in/mario-turcik-858981b/)***](https://www.linkedin.com/in/mario-turcik-858981b/%29)

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

***Based on the submitted documents and the knowledge gained during the discussion within the meeting of the ŠP Elektroenergetika Council, representatives of external parties from practice welcome and support the existence and development of the study program of Elektroenergetika, which is characterized not only by a narrow focus on specialization in the field of electric power but also by a certain degree of interdisciplinarity within the field electrical engineering. Interdisciplinarity and thus also the production of graduates, who can find employment in various fields of electrical engineering and other job positions and specializations in electrical engineering, is enhanced by the fact that the pedagogical activity is covered by several departments of the faculty. From their point of view, employers were, are and will be interested in applying graduates of the mentioned study program in practice. There is already a serious lack of qualified experts in this field, which is starting to cause problems with filling vacant positions and which, to some extent, hinders the faster development of the industry in the field of electric power and related areas of electrical engineering in Slovakia and especially in the eastern Slovak region. Employers, therefore, see a high need for the aforementioned study program for practice and guarantee employment for all successful graduates if they are interested in working in the given field.
According to the official material from 1.6. 2022 from the Sector-driven Innovation project provided by Trexima, the education in the Electrical Engineering study program is the 5th best out of 209 technical in Slovakia related to the Sector Council for Energy, Gas, and Electricity. The project is implemented in cooperation with the Republican Union of Employers, the Association of Employers' Unions of the Slovak Republic, the Association of Industrial Unions and Transport, the Ministry of Labour, Social Affairs and the Family, the Association of Cities and Towns of Slovakia, the Confederation of Trade Unions.
Rank School Department Overall rating
1 STU in Bratislava - Faculty of Electrical Engineering and Informatics, Electrical Power Engineering 100
2 STU in Bratislava - Faculty of Electrical Engineering and Informatics Cybernetics - Robotics and Cybernetics 99.5192
3 STU in Bratislava - Faculty of Electrical Engineering and Informatics automation - automation and control 99.0384
4 University of Applied Sciences in Žilina - Faculty of Electrical Engineering, high-current electrical engineering 98.5576

5 TU in Košice - Faculty of Electrical Engineering and Informatics, Electrical Power Engineering 98.0769

6 STU in Bratislava - Faculty of Electrical Engineering and Informatics electrical engineering - electrical energy 97.5961
7 STU in Bratislava - Faculty of Electrical Engineering and Informatics of Telecommunications 97,1153
8 STU in Bratislava - Faculty of Electrical Engineering and Cybernetics 96.6346
9 STU in Bratislava - Faculty of Materials Technology based in Trnava automation - applied informatics and automation in industry 95,673
10 STU in Bratislava - Faculty of Materials Technology based in Trnava automation - applied informatics and automation in industry 95,673

Statements of authorities from practice are available in the Appendices to the study program folder in the system*** [***https://res.tuke.sk/forms/osp/sp/21131***](https://res.tuke.sk/forms/osp/sp/21131)

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=48669728&arksId=47507289&fakultaId=6878&lang=en***](https://maisportal.tuke.sk/portal/studijneProgramy.mais?spsId=48669728&arksId=47507289&fakultaId=6878&lang=en)

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

*Course information sheets are available in MAIS at* [***https://maisportal.tuke.sk/portal/studijneProgramy.mais?spsId=48669728&arksId=47507289&fakultaId=6878&lang=en***](https://maisportal.tuke.sk/portal/studijneProgramy.mais?spsId=48669728&arksId=47507289&fakultaId=6878&lang=en)

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

[***https://www.fei.tuke.sk/uploads/e8/b8/e8b8cd8efffd065993c3737e174d53d1/Casovy\_rozvrh\_studia\_FEI\_2021\_2022.pdf***](https://www.fei.tuke.sk/uploads/e8/b8/e8b8cd8efffd065993c3737e174d53d1/Casovy_rozvrh_studia_FEI_2021_2022.pdf)

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. Juraj Kurimský, PhD., juraj.kurimsky@tuke.sk, +421 55 6023563*

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. Juraj Kurimský, PhD., juraj.kurimsky@tuke.sk, +421 55 6023563
 prof. Ing. Roman Cimbala, PhD., roman.cimbala@tuke.sk, +421 55 6023557
 doc. Ing. Zsolt Čonka, PhD., zsolt.conka@tuke.sk, +421 55 6023559
 doc. Ing. Jaroslav Džmura, PhD., jaroslav.dzmura@tuke.sk, +421 55 6023556
 doc. Ing. Jaroslav Petráš, PhD., jaroslav.petras@tuke.sk, +421 55 6023553*

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

***prof. Ing. Juraj Kurimský, PhD.,*** [***https://res.tuke.sk/api/vupch/1613/export***](https://res.tuke.sk/api/vupch/1613/export)***prof. Ing. Roman Cimbala, PhD.,*** [***https://res.tuke.sk/api/vupch/1402/export***](https://res.tuke.sk/api/vupch/1402/export)***doc. Ing. Zsolt Čonka, PhD.,*** [***https://res.tuke.sk/api/vupch/40765/export***](https://res.tuke.sk/api/vupch/40765/export)***doc. Ing. Jaroslav Džmura, PhD.,*** [***https://res.tuke.sk/api/vupch/1815/export***](https://res.tuke.sk/api/vupch/1815/export)***doc. Ing. Jaroslav Petráš, PhD.,*** [***https://res.tuke.sk/api/vupch/3111/export***](https://res.tuke.sk/api/vupch/3111/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=48669728&arksId=47507289&fakultaId=6878&lang=en***](https://maisportal.tuke.sk/portal/studijneProgramy.mais?spsId=48669728&arksId=47507289&fakultaId=6878&lang=en)

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).

 *René Viliam Lupták, rene.viliam.luptak@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. Jaroslav Džmura, PhD., jaroslav.dzmura@tuke.sk, +421 55 6023556*

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).

***The department has 14 specialist laboratories*** [***https://kee.fei.tuke.sk/?page\_id=15***](https://kee.fei.tuke.sk/?page_id=15)***most important:
Laboratory of renewable energy sources (distribution network model with the possibility of simulating island operation, simulated photovoltaic panel, battery storage, monitoring of electrical quantities with the PQube 3 device, Siemens Simatic system, external network analyzers).
• Power plants - (basic knowledge about the operation of powering the building from the distribution network and island operation, about the production of electricity from classic and renewable sources)
• Malfunctions in the electrical system (basic knowledge about changes in electrical parameters of external lines and their effect on short-circuit ratios, types of short-circuits and ground connections)

SmartIndustryLab laboratory (analyzers of electrical quantities of class A PQube, AC Power Monitor, P-Q devices, SCADA system allowing to model the distribution system, including electric car chargers)
• Measurement in the electric power industry (basic knowledge of the theory of measurement and metrology, determination of measurement uncertainties, practical skills in the implementation of measurements in the electric power industry and processing of measurement documentation)
• Non-traditional sources of energy (Basic knowledge in the area of ​​influence of photovoltaic systems on the distribution system, data processing in the SCADA environment and their evaluation),
• Malfunctions in the electrical system (basic knowledge of the methods of operation of electrical networks, calculations of short-circuit ratios and their analysis in ES)
• Conversions of electrical energy (basic knowledge of convers***

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.)***The library fund of UK TUKE consists of its funds (books, scripts, anthologies, magazines, theses and electronic media). In 2022, the library fund consisted of 172,878 libraries. units. The annual addition to the library is over 3,000 kj. The study room contains basic and supplementary study literature, magazines, anthologies, encyclopedias, language and academic dictionaries, users have free access to them. As part of the lending services, users borrow approximately 5,000 books per year. units.

The library has barrier-free access to 2 elevators and 2 barrier-free toilets. There are 650 study places and over 300 places with electricity. socket for charging laptops and mobile phones. The library also has 32 desktop computers with Internet connection, intranet, Wi-Fi network and access to databases of electronic periodicals.

Through libraries. At the Copycenter, students have access to printing and reprographic services provided on 12 printers, of which 3 are large-capacity for oversized printing. The library also has its own digitization workplace with a scanning robot, as well as a book scanner for the public located in the study room. Currently, the library fund is being built not only on a physical level (print and electronic media - USB, CD, DVD), but also a digitalization repository is being developed. books from the library fund on the MediaINFO platform, containing over 600 titles.

Access to information technologies is ensured through the Institute of Computing Technology TUKE:*** [***https://uvt.tuke.sk/wps/porta***](https://uvt.tuke.sk/wps/porta)

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 scope of distance education is determined by the relevant situation and measures taken at the level of university or faculty management, which limits the face-to-face form of study.

Study materials are available through the software platform supporting the educational activities of the Moodle e-learning portal. Lectures, exercises, or student consultations also take place via the CISCO Webex communication platform. Access to these tools is free for both TUKE employees and students. 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.***[***https://www.fei.tuke.sk/en***](https://www.fei.tuke.sk/en)

***Access to the Moodle e-learning portal, which is used to support education, is at*** [***https://moodle.tuke.sk/moodle/course/index.php?categoryid=129***](https://moodle.tuke.sk/moodle/course/index.php?categoryid=129)***The rules for working with the Moodle TUKE system are published for students after self-login at*** [***https://moodle.tuke.sk/moodle/login/index.php?lang=en***](https://moodle.tuke.sk/moodle/login/index.php?lang=en)***The applicant for the creation of a course is obliged to send a request for the creation of a course to the address moodle@helpdesk.tuke.sk, where he must indicate:  the full name of the course,  the place where the course should be located - (sub)category,  the list of TUKE employees who will have the role of the teacher in the given course.
The user must place the video files outside the Moodle system on the TUKE stream server and link them to the Moodle system. Access to the TUKE stream server must be requested and agreed to its terms of use. Instructions on how to register can be found at*** [***https://moodle.tuke.sk/moodle/course/view.php?id=1429.***](https://moodle.tuke.sk/moodle/course/view.php?id=1429.)***Requests for new add-ons/plugins are consulted/suggested via the helpdesk at moodle @helpdesk.tuke.sk

A user of the Moodle system can be:
- Internal user - a TUKE employee or student assigned a unique login. An internal user becomes a Moodle user after the first login.
- External user - person outside TUKE. An external user will be introduced to the Moodle system by the administrator in justified cases. The course teacher requests the creation of an account for an external user by sending a request to the address moodle@helpdesk.tuke.sk

The data server supporting the sharing of study materials at the Department of Electric Power is available at*** [***https://147.232.26.123/.***](https://147.232.26.123/.) ***It serves employees to record and back.***

***The study program Electrical Engineering, 1st degree is taught only in face-to-face form, as long as circumstances allow. In case of adverse circumstances, such as the COVID-19 pandemic, it is also possible to teach remotely if the fulfillment of the set educational outcomes is ensured.

The order of the rector and the order of the dean determines the characteristics and scope of the distance education applied in the study program Electrical Energy.

The scope and method of teaching and the distribution of the audience (lectures, practical exercises, seminars, and consultations) are determined based on the current epidemiological or other noteworthy situation and are monitored and updated as necessary.

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

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

*The following partners participate in the provision of educational activities in the study program Electrical Power Engineering at the bachelor's level of study in the assignment of bachelor theses topics, cooperate in solving them, peer review, and participation in commissions for state final exams:
Východoslovenská distribučná, a.s.
Slovenská elektrizačná prenosová sústava, a.s.
Slovenské elektrárne, a.s.
ABB s.r.o. Brno
Kuenz SK, s.r.o.
Linxon Slovakia Engineering s.r.o.
Via electra s.r.o.
Eplan Engineering CZ, s.r.o.
Heating plant Košice, a. with.
Montage Čakovice s.r.o. Prague
Schweitzer Engineering Laboratories, Inc.
ELKO EP, s.r.o., Czech Republic
ELKO EP SLOVAKIA s.r.o.
ABB Slovakia s.r.o.
Siemens
Schneider Electric Slovakia, s.r.o.
Gridman, s.r.o.
PSS
Pow-en a.s.
PSM, s.r.o.
Lectures in subjects on designated topics and instrumentation and laboratory equipment are provided by:
o Východoslovenská distribučná, a.s.
- High voltage technology
- Prophylaxis of electric power equipment
- Malfunctions in the electrical system
- Electrical installations and stations
- Professional experience in the company
- Power plants
- Electrical protection in EC
about Slovenské elektrárne, a.s.
- Power plants
about ABB s.r.o. Brno
- Electrical installations and stations
about Kuenz SK, s.r.o.
- Basics of designing in the electric power industry
- Professional experience in the company
about Linxon Slovakia Engineering s.r.o.
- BC. Professional experience in the company
o Via electra s.r.o.
- Professional experience in the company
about Eplan Engineering CZ, s.r.o.
- Basics of designing in the electric power industry
o Tepláreň Košice, a. with.
- Power plants
about Montage Čakovice*

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.

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

1. Admission procedures.

[***http://www.fei.tuke.sk/sk/studium/pre-uchadzacov/podmienky-prijatia***](http://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/bakalarske-studium/v%C3%BDsledky-prij%C3%ADmacieho-konania***](https://www.fei.tuke.sk/sk/studium/bakalarske-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)