1. PROFESSIONAL ACADEMIC TITLE AND DEGREE OBTAINED BY COMPLETING THE STUDY

Upon completion of the four-year studies of the first cycle of study (240 ECTS) on the study program: Informatics and technical education, the academic title of **professor of informatics and technology** and the degree of professional qualification is obtained.: VII/1.

Upon completion of the second cycle of study (60 ECTS) lasting one year, the academic title of **Master of Informatics and Technology** and the degree of professional qualification are obtained.: VII/2.

Upon completion of the third cycle of study (180 ECTS) lasting three years on the study program: Professor of Mathematics and Informatics, the academic title **of Doctor of Informatics or Doctor of Computer Science**, and the degree of professional qualification are obtained.: VIII.

2. CONDITIONS FOR ENROLLMENT IN THE STUDY PROGRAM

The first study cycle:

- Completed four-year high school (IV degree) and passed the entrance exam for the first cycle of studies.

The second study cycle:

- The first cycle of studies and average grades over 8.00 has been completed. In case the student has a lower average, he works on Habilitation work in the field determined by the dean of the faculty.

The third study cycle:

- Students who have: can enroll in the first year of the third cycle of study

a) *completed first and second cycle studies or integrated studies, determined by the study program of the third cycle of studies or*
b) *academic degree of master/master of sciences determined by the study program of the third cycle of studies*

In the second year of the third cycle of study, students who have completed their first year of study or are missing 7 ECTS points as well as students who gained 360 ECTS points on the first and second cycles of studies can be enrolled. If the first-year curriculum is not fully agreed upon, the student is obliged to pass differential exams before the start of the academic year. The Doctoral Studies Commission is worth study plans and programs and determines the number of differential exams.

3. LIST OF MANDATORY AND ELECTION CASES AND THE NUMBER OF HOURS REQUIRED FOR THEIR REALIZATION

Look at Tables 1, 2, and 3.

4. THE POINT VALUE OF EACH SUBJECT AND THE FINAL WORK EXPRESSED IN EFFECTS POINTS

See Tables 1, 2 and 3

Table 1. The first cycle of studies - Study program: Informatics and technical education

Ordinal number	Code	Subject name	Sem.	Type	Status	Active classes			Other classes	ESPB
						P	V	KV		
FIRST-YEAR										
1.	TI11010	Informatics	1		O	2	2	5		6
2.	TI11020	Fundamentals of Mathematics	1		O	2	2	5		6
3.	TI11030	Mathematical logic and programming principles	1		O	2	2	5		6
4.	TI11040	English 1	1		O	2	2	5		6
5.		*Election subject 1*	1		IB	2	2	5		6
	TI1105AI	*Electronic computer systems*								
	TI1105BI	*Information theory and communication*								
6.	TI11060	Psychology	2		O	2	2	5		6
7.	TI11070	Electrical engineering with electronics	2		O	2	2	4		6
8.	TI11080	Introduction to technical systems	2		O	2	2	5		6
9.	TI11090	English 2	2		O	2	2	5		6
10.		*Election subject 2*	2		IB	2	2	4		6
	TI1110AI	*Fundamentals of mechanical engineering*								
	TI1110BI	*Modeling*								
Total classes						300	300			60
SECOND YEAR										
1.	TI12010	Technical drawing with computer graphics	3		O	2	2	5		6
2.	TI12020	Programming	3		O	2	2	5		6
3.	TI12030	Pedagogy	3		O	2	2	5		6
4.	TI12040	English 3	3		O	2	2	5		6
5.		*Election subject 3*	3		IB	2	2	5		6
	TI1205AI	*Operating systems*								
	TI1205BI	*Computer graphics*								
6.	TI12060	Program languages	4		O	2	2	5		6
7.	TI12070	Database information systems	4		O	2	2	5		6
8.	TI12080	Environmental management	4		O	2	2	5		6
9.	TI12090	English 4	4		O	2	2	5		6
10.		*Election subject 4*	4		IB	2	2	5		6
	TI1210AI	*WEB design*								
	TI1210BI	*Traffic and transport systems*								
Total classes						300	300			60
THIRD YEAR										
1.	TI13010	Mathematical modeling and simulation by computer	5		O	2	2	5		6
2.	TI13020	Machine materials	5		O	2	2	5		6
3.	TI13030	Computer animation	5		O	2	2	5		6
4.	TI13040	English 5	5		O	2	2	5		6
5.		*Election subject 5*	5		IB	2	2	5		6
	TI1305AI	*Electronic business*								
	TI1305BI	*Architecture and construction*								
6.	TI13060	Didactics	6		O	2	2	5		6
7.	TI13070	Energy	6		O	2	2	5		6
8.	TI13080	Robot automation	6		O	2	2	5		6
9.	TI13090	English 6	6		O	2	2	5		6
10.		*Election subject 6*	6		IB	2	2	5		6
	TI1310AI	*Object programming*								
	TI1310BI	*Agra technique*								
Total classes						300	300			60

Ordinal number	Code	Subject name	Sem.	Type	Status	Active classes			Other classes:	ESPB
						P	V	KV		
THURSDAY YEAR										
1.	TI14010	Internet programming	7		O	2	2	5		6
2.	TI14020	Organization of schoolwork	7		O	2	2	5		6
3.	TI14030	Human-computer interaction	7		O	2	2	5		6
4.	TI14040	Methodical construction	7		O	2	2	5		6
5.		*Election subject 7*	7		IB	2	2	5		6
	TI1405AI	*Modern communication systems*								
	TI1405BI	*Network operating systems*								
6.	TI14060	Computer networks	8		O	2	2	5		6
7.	TI14070	Methodology of teaching technical education	8		O	2	2	5		6
8.	TI14080	Methodology of computer science teaching	8		O	2	2	5		6
9.		*Election subject 8*			IB	2	2	5		6
	TI1409AI	*Complex databases data*	8							
	TI1409BI	*Advanced software technologies*	8							
10.	TI14100	Professional practice	8		O				60	
11.		Graduate work	8		O					6
Total classes						300	300			60

Table 2. The second cycle of studies

Ordinal number	Code	Subject name	Sem.	Type	Status	Active classes			Other classes:	ESPB
						P	V	KV		
1.	TI21010	Research methods and techniques	1		O	3	3	5		8
2.	TI21020	Communication	1		O	2	2	5		4
3.	TI21030	Project management	1		O	3	3	5		8
4.	TI21040	Reengineering	1		O	3	3	5		8
5.		*Election subject 1*	2		IB	3	3	5		7
	TI2105AI	*Digital archives*								
	TI2105BI	*Teaching modeling and simulation*								
6.		*Election subject 2*	2		IB	3	3	5		7
	TI2106AI	*Expert systems in education*								
	TI2106BI	*School information systems*								
7.		*Election subject 3*	2		IB	3	3	5		7
	TI2107AI	*Digital control systems*								
	TI2107BI	*Data and computer network protection*								
8.	TI21080	Professional practice	2		O				60	
9.		Master's paper	2		O					11
Total classes						300	300			60

Table 3. The third cycle of studies

Ordinal number	Code	Subject name	Sem.	Status	P	PRW	ESPB
FIRST-YEAR							
1.	TI31010	Methodology of scientific research work	1	O	4	2	8
2.	TI31020	Knowledge management	1	O	4	2	8
3.		*The subject of the electoral block 1*	1	IB	3	1	7
	TI3103AI	*E-learning management systems*					
	TI3103BI	*Operational research*					
4.	TI31040	Research paper for the selection of the topic and the progression of the literature for the doctoral dissertation	1	O	0	4	8
5.		*The subject of the electoral block 2*	2	IB	3	1	7
	TI3105AI	*Selected chapters from graph theory*					
	TI3105BI	*Intelligent word processing*					
6.		*The subject of the electoral block 3*	2	IB	3	1	7
	TI3106AI	*Selected chapters on advanced software architectures*					
	TI3106BI	*Selected chapters from information systems*					
7.	TI31070	Making and publishing the first scientific paper	2	O	0	6	7
8.	TI31080	Doctoral dissertation - topic research 1	2	O	0	6	8
Total classes					255	345	60
SECOND YEAR							
1.	TI32010	Change management	3	O	4	2	8
2.		*The subject of the electoral block 4*	3	IB	3	1	7
	TI3202AI	*Formal languages and vending machines*					
	TI3202BI	*Algorithm design and analysis*					
3.		*The subject of the electoral block 5*	3	IB	3	1	7
	TI3203AI	*Coding and information theory*					
	TI3203BI	*Integrated information systems*					
4.	TI32040	Doctoral dissertation - topic research 2	3	O	0	6	9
5.		*The subject of the electoral block 6*	4	IB	3	1	7
	TI3205AI	*Distance learning*					
	TI3205BI	*Multimedia services in education*					
6.	TI32060	Making and publishing other scientific work	4	O	0	6	8
7.	TI32070	Doctoral dissertation - topic research 3	4	O	0	10	14
Total classes					195	405	60
THIRD YEAR							
1.	TI33010	Doctoral dissertation - topic research 4	5	O	0	10	14
2.	TI33020	Writing a doctoral dissertation (processing of doctoral dissertation data)	5	O	0	10	14
3.	TI33030	Development and publication of the third scientific paper	6	O	0	6	9
4.	TI33040	Doctoral dissertation - topic research 5	6	O	0	6	12
5.	TI33050	Doctoral Dissertation Defense	6	O	0	8	11
Total classes					0	600	60
Total ESPB							**180**

5. CONDITIONS FOR THE TRANSITION FROM OTHER STUDY PROGRAMS WITHIN THE SAME OR RELATED STUDIES

Students who move from another study program will be recognized for the number of certified semesters, at most six, and the passed exams will be invoked from those teaching subjects that, according to their curriculum, overlap at least 50% with the curriculum of the relevant subject being studied at the University.

6. THE WAY OF SELECTING SUBJECTS FROM OTHER STUDY PROGRAMS

Based on a written request, students can choose other subjects that are not in the subjects of their study programs, with the total burden on the student not exceeding 30 hours per week. The choice can only be made by those subjects that are studied at the University.

7. ENROLLMENT CONDITIONS IN THE NEXT SEMESTER, IE THE NEXT YEAR OF STUDY, AND THE WAY OF COMPLETING THE STUDIES

Students enroll the next semester of the same year provided that they lay more than half of the subjects of the previous semester, and if in the previous semester, there are subjects covering one part of the material and in the second semester the other part of the material is then obliged to take subjects from the second semester. Students enroll next year if they passed all exams the previous year or have one subject left or 6 ECTS points.

Students complete the first cycle of study by defending the **final work**.

Students complete the second cycle of studies by taking exams provided for in the curriculum and program and defending **the master's thesis**.

Students complete the third cycle of studies by taking exams provided for in the curriculum and program and defending their **doctoral dissertation**.

8. THE WAY THE STUDIES ARE CONDUCTED AND THE WAY THE KNOWLEDGE IS CHECKED FOR EACH SUBJECT

The method of conducting studies in all cycles (I, II, and III) is carried out by semesters where students attend and actively participate in lectures and exercises, and the active fund of lectures and exercises is shown in Tables 1, 2, and 3**.**

The way knowledge is checked for each subject is continuously monitored during the teaching and processing of these teaching subjects. When determining the final assessment for teaching subjects or the activity of students to be evaluated, the evaluator is obliged to evaluate the results of the total work of the student during the processing of teaching subjects, i.e. not only the knowledge and skills that students have acquired and learned during the processing of teaching subjects, but also the results of students achieved in all forms of educational and pedagogical work, which are planned and performed for teaching subjects including the assessment of students' activities and interactions in lectures, exercises, colloquiums, seminars, workshops round tables and other forms of teaching and pedagogical work.

The amount of the grade depends on the accumulated points, which are collected during the entire duration of lectures and exercises, as follows:

1. TEST 1 - first colloquium (first 50% of the material):	20 points
2. TEST 2 - second colloquium (other 50% of the material):	20 points
3. TEST 3 - final exam (total material):	20 points
4. LECTURE - attendance:	5 points
5. LECTURE - active participation:	5 points
6. EXERCISES - attendance:	5 points
7. EXERCISES - seminar paper:	10 points
8. EXERCISES - oral presentation of the second topic:	5 points
9. EXERCISES - essay or subject study:	10 points
TOTAL:	**100 points**

Grading of students is done by the number of points collected, as follows:

EVALUATIONS	EVALUATION	NUMBER OF POINTS	DESCRIPTIONAL EVALUATION
F	5	**0-54**	**Not enough**
E	6	**55-64**	**Enough**
D	7	**65-75**	**Good**
C	8	**75-84**	**Very good**
B	9	**85-94**	**Excellent**
A	10	**95-100**	**Exceptional - great**

Exams are taken successfully, in writing or orally and in writing, i.e. practically.

If provided for in the Curriculum, due to the specificity of the subject, knowledge verification is organized in several partial tests during the processing of the teaching subject. In this case, the final assessment of the student is formed based on the results of all partial tests and other knowledge checks or points collected.

9. OTHER ISSUES RELEVANT TO THE PERFORMANCE OF THE STUDY PROGRAM

The category of exercises (KV) is also determined in the curriculum. Exercise categories will be numbered 1-5 as follows:

Num.	Type - exercise structure	Number of students
1.	For art academies on teaching arts.	3
2.	For clinical subjects at faculties/colleges of medical sciences, certain teaching subjects at faculties of technical sciences, professional subjects at art academies, and teaching subjects of teaching methods at faculties/colleges of humanities, and social sciences.	5
3.	For preclinical teaching subjects of medical sciences (section-reaction exercises; anatomy, pathology, forensic medicine): teaching subjects with field exercises that require the supervision of a student and instructions from a professional associate.	10
4.	For teaching subjects with laboratory, and experimental exercises.	15
5.	For teaching subjects with auditorium, and field exercises.	25