

Schedule of study programme implementation: Computer Science
mode of study: full-time study
Institute of Computer Science

					<i>ECTS points acquired during the course:</i>				
ITEM	NAME OF A GROUP OF COURSES/NAME OF A COURSE	COURSE USOS CODE	Number of class hours	ECTS points	elective	with direct participation of academic teachers or other persons conducting classes and students	from the area of humanities or social sciences*	connected with scientific activity carried out at the university in the discipline or disciplines the field of study is assigned to, for the study of a general academic profile	developing practical skills, for the study of a practical profile
1	2	3		4	5	6	7	8	9
Group of Courses 1 (Programming)									
1	Algorithms and Data Structures	420-IS1-2ASD-23CS	60	4		2,7			4
2	Structured Programming	420-IS1-1PPS-23CS	75	6		3,3			6
3	Object-Oriented Programming	420-IS1-1WPO-23CS	75	6		3,3			6
4	Python Programming	420-IS1-1PJP-23CS	45	4		2			4
5	Java Programming	420-IS1-2PZ-23CS	75	6		3,3			6
6	Internet Programming	420-IS1-2PIN-23CS	60	4		2,6			4
7	Graphical User Interface Programming	420-IS1-2PWSG-23CS	60	4		2,6			2
8	Parallel and Distributed Programming	420-IS1-3PRR-23CS	60	4		2,6			4
TOTAL				38	0	22,4	0	36	0
Group of Courses 2 (Informatics Tools and Applications)									
1	Computational Methods	420-IS1-2MOB-23CS	60	4		2,7			4
2	Artificial Intelligence	420-IS1-3SZI-23CS	60	4		2,7			4
3	Elements of Automata Theory and Formal Language	420-IS1-3TAJF-23CS	60	4		2,6			4
4	Computer Systems Architecture	420-IS1-1ASK-23CS	60	5		2,6			2
5	Operating Systems	420-IS1-2SOP-23CS	60	5		2,7			2
6	Network Technologies	420-IS1-2TSI-23CS	60	4		2,6			2
7	Databases	420-IS1-2BD-23CS	60	5		2,7			5
8	Graphics and Human-Computer Communication	420-IS1-2GRA-23CS	45	4		2			
TOTAL				35	0	20,6	0	23	0
Group of Courses 3 (Software Engineering)									
1	Software Engineering 1	420-IS1-2IO1-23CS	30	2		1,3			2
2	Software Engineering 2	420-IS1-3IO2-23CS	60	4		2,7			4
3	Team Project	420-IS1-3PZ-23CS	30	4		1,4			
TOTAL				10	0	5,4	0	6	0
Group of Courses 4 (Professional and Legal Issues in Informatics)									
1	Health, Safety and Ergonomics	420-IS1-1BHPE-23CS	10	0,5		0,5			
2	Intellectual Property Rights	420-IS1-1OWI-23CS	10	0,5		0,5			
TOTAL				1	0	1	0	0	0
Group of Courses 5 (Mathematics Courses)									
1	Review of Mathematics	420-IS1-1REM-23CS	15	1		0,8			
2	Mathematical Analysis 1	420-IS1-1AM1-23CS	45	4		2,1			
3	Mathematical Analysis 2	420-IS1-1AM2-23CS	60	5		2,7			2
4	Mathematical Analysis 3	420-IS1-2AM3-23CS	45	4		2,1			2
5	Differential and Difference Equations	420-IS1-2RRR-23CS	30	2		1,4			1
6	Linear Algebra with Analytical Geometry	420-IS1-1ALG-23CS	60	5		2,7			
7	Logic and Set Theory	420-IS1-1PLTM-23CS	60	5		2,7			3
8	Discrete Mathematics	420-IS1-1MDY-23CS	60	5		2,7			5
9	Probabilistic Methods and Statistics	420-IS1-2PST-23CS	75	6		3,3			
TOTAL				37	0	20,5	0	13	0

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				4	5	6	7	8				
1	2	3		4	5	6	7	8	9			
Group of Courses 6 (Humanities and Social Sciences Courses)												
1	Humanities Elective Course		30	2	2	1,3	2					
2	Social Sciences Elective Course		30	2	2	1,3	2					
3	Computer and Information Ethics	420-IS1-3EI-23CS	15	1		0,8	1					
TOTAL				5	4	3,4	5	0	0			
Group of Courses 7 (Diploma Courses)												
1	Diploma Preparation Class 1	420-IS1-3PD1-23CS	15	2	2	0,8			2			
2	Diploma Preparation Class 2	420-IS1-3PD2-23CS	45	8	8	2			8			
3	Diploma Seminar 1	420-IS1-3SD1-23CS	30	2	2	1,3						
4	Diploma Seminar 2	420-IS1-3SD2-23CS	30	2	2	1,3						
TOTAL				14	14	5,4	0	10	0			
Group of Courses 8 (General Education)												
1	Foreign Language 1	420-IS1-1JN1-23 / 420-IS1-1JR1-23	30	3	3	1,3						
2	Foreign Language 2	420-IS1-1JN2-23 / 420-IS1-1JR2-23	30	3	3	1,3						
3	Foreign Language 3	420-IS1-2JN3-23 / 420-IS1-2JR3-23	30	3	3	1,3						
4	Foreign Language 4	420-IS1-2JN4-23 / 420-IS1-2JR4-23	30	3	3	1,4						
5	Physical Education 1	420-IS1-1WF1-23CS	30									
6	Physical Education 2	420-IS1-1WF2-23CS	30									
TOTAL				12	12	5,3	0	0	0			
Group of Courses 9 (Elective Courses)												
1	Elective Course 1		45	4	4	2,1			4			
2	Elective Course 2		45	4	4	2,1			4			
3	Elective Course 3		45	4	4	2,1			4			
4	Elective Course 4		45	4	4	2,1			4			
5	Elective Course 5		45	4	4	2,1			4			
6	Elective Course 6		45	4	4	2,1			4			
TOTAL				24	24	12,6	0	24	0			
Group of Courses 10 (Apprenticeships)												
1	Apprenticeships (3 weeks/120 hours/160 didactic hours)	420-IS1-3PZA-23CS		6	6	6						
TOTAL				6	6	6	0	0	0			
TOTAL				182	60	102,6	5	112	0			

* a number of ECTS points a student must obtain during classes from the area of humanities and social sciences, at least 5 ECTS points – with regard to the fields of study.

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Proportional (%) share of ECTS points in each discipline the field of study is assigned to, in a number of ECTS points necessary to complete the study, and indicating the prevailing discipline.

Computer Science: 81%
Mathematics: 19%

Proportional (%) share of ECTS points obtained during elective classes in a number of ECTS points necessary to complete the study, at least 30% of ECTS points necessary to complete the study.

32,97

Proportional (%) share of ECTS points obtained during classes with direct participation of academic teachers or other persons conducting classes and students in a number of ECTS points necessary to complete the study, at least 50% of ECTS points necessary to complete the study.

56,37

For the study of a general academic profile – proportional (%) share of ECTS points obtained during classes connected with scientific activity carried out at the university in the discipline or disciplines the field of study is assigned to, in a number of ECTS points necessary to complete the study, more than 50% of ECTS points necessary to complete the study.

61,54

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1	2	3		4	5	6	7	8	9
For the study of a practical profile – proportional (%) share of ECTS points obtained during classes developing practical skills in a number of ECTS points necessary to complete the study, more than 50% of ECTS points necessary to complete the study.								not applicable	