

1.	Field of study	Computer Science
2.	Faculty	Faculty of Science and Technology
3.	Academic year of entry	2024/2025 (winter term)
4.	Level of qualifications/degree	first-cycle studies (in engineering)
5.	Degree profile	general academic
6.	Mode of study	full-time
7.	Academic year for which the revised course structure applies	2024/2025

Programme modules		form of teaching						year 1			year 2			year 3			year 4											
								semester 1			semester 2			semester 3			semester 4			semester 5			semester 6			semester 7		
								Lang.	E/C	Total	L	O	Total ECTS	L	O	E	L	O	E	L	O	E	L	O	E	L	O	E
No.	Module																											
1	Algorithmics 1	-	E	60	30	30	5	30	30	5																		
2	Computer Networks	PL	E	60	30	30	5	30	30	5																		
3	Computer Programming 1	PL	E	75	30	45	6	30	45	6																		
4	Introduction to Digital Technologies	PL	C	15	15		2	15		2																		
5	Operating systems	-	E	45	15	30	4	15	30	4																		
6	Theoretical Foundations of Computer Science	PL	C	20	20		3	20		3																		
7	Algorithmics 2	-	C	40	20	20	2				20	20	2															
8	Computer Programming 2	PL	E	75	30	45	5				30	45	5															
9	Databases 1	PL	E	45	15	30	3				15	30	3															
10	Digital Technology	PL	E	60	30	30	4				30	30	4															
11	Computer Architecture	PL	C	45	15	30	3							15	30	3												
12	Computer Graphics	PL	C	60	30	30	5							30	30	5												
13	Computer Programming 3	PL	C	45	15	30	3							15	30	3												
14	Elements of Artificial Intelligence	-	E	45	15	30	3							15	30	3												
15	Internet of Things	PL	E	45	15	30	3							15	30	3												
16	Software Engineering	PL	E	60	15	45	3							15	45	3												
17	Cloud Technologies	-	C	30		30	3										30	3										
18	Methods of Data Analysis	-	C	60	30	30	3									30	30	3										
19	Numerical Methods	PL	C	30		30	3										30	3										
20	Project Studio 1	PL	C	30		30	3										30	3										
21	Web Applications Programming	-	C	45	15	30	3									15	30	3										
22	Optional module	-	C	480		480	48										90	9			150	15		120	12		120	12
23	Cybersecurity	-	C	30		30	3														30	3						
24	Databases 2	PL	C	30		30	3														30	3						
25	Project Studio 2	PL	C	30		30	3														30	3						
26	Diploma Project 1	PL	C	30		30	6																30	6				
27	Mobile Applications Programming	-	C	45	15	30	3																15	30	3			
28	Team Project	PL	C	30		30	3																30	3				
29	Diploma Project 2	PL	C	45		45	6																			45	6	
30	Seminar - preparation for the cross-sectional diploma examination	PL	C	5		5	3																			5	3	
TOTAL Programme modules:				1715	400	1315	152	140	135	25	95	125	14	105	195	20	45	240	24	0	240	24	15	210	24	0	170	21

Field modules										year 1			year 2			year 3			year 4																			
No.	Module	Lang.	E/C	Total	form of teaching			Total ECTS	semester 1			semester 2			semester 3			semester 4			semester 5			semester 6			semester 7											
					L	O	E		L	O	E	L	O	E	L	O	E	L	O	E	L	O	E	L	O	E	L	O	E									
1	Mathematics 1	PL	C	60		60	5		60	5																												
2	Mathematics 2	PL	C	60		60	4					60	4																									
3	Physics for Computer Scientists	PL	E	45	15	30	3				15	30	3																									
4	Discrete mathematics and cryptography	PL	C	45	15	30	3							15	30	3																						
5	Mathematical Methods in Artificial Intelligence Systems	-	C	15	15		1							15		1																						
				TOTAL Field modules:	225	45	180	16	0	60	5	15	90	7	30	30	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Programme co-related modules										year 1			year 2			year 3			year 4																			
No.	Module	Lang.	E/C	Total	form of teaching			Total ECTS	semester 1			semester 2			semester 3			semester 4			semester 5			semester 6			semester 7											
					L	O	E		L	O	E	L	O	E	L	O	E	L	O	E	L	O	E	L	O	E	L	O	E									
1	Group of programme co-related modules <i>[see description below]</i>	*	*	30		30	3				30	3																										
2	The area of "Civil Society and Entrepreneurship: Entrepreneurship"	-	C	30		30	3				30	3																										
3	The area of "Civil Society and Entrepreneurship: Vade mecum on Law"	-	C	30		30	3							30	3																							
4	Module in the "Creative Expression and Critical Thinking" area	-	C	30		30	3									30	3																					
				TOTAL Programme co-related modules:	120	0	120	12	0	0	0	0	60	6	0	30	3	0	30	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Open access modules										year 1			year 2			year 3			year 4																			
No.	Module	Lang.	E/C	Total	form of teaching			Total ECTS	semester 1			semester 2			semester 3			semester 4			semester 5			semester 6			semester 7											
					L	O	E		L	O	E	L	O	E	L	O	E	L	O	E	L	O	E	L	O	E	L	O	E									
1	Physical education	-	C	60		60	0				30			30																								
2	English language course 1	EN	C	30		30	3				30	3																										
3	English language course 2	EN	C	30		30	3							30	3																							
4	English language course 3	EN	C	30		30	3									30	3																					
5	English language course 4	EN	C	30		30	3													30	3																	
6	Open University Module	-	C	90		90	9													30	3			60	6													
				TOTAL Open access modules:	270	0	270	21	0	0	0	0	60	3	0	60	3	0	30	3	0	60	6	0	60	6	0	0	0	0	0	0	0	0	0	0	0	
Internship										year 1			year 2			year 3			year 4																			
No.	Module	Lang.	E/C	Total	form of teaching			Total ECTS	semester 1			semester 2			semester 3			semester 4			semester 5			semester 6			semester 7											
					L	O	E		L	O	E	L	O	E	L	O	E	L	O	E	L	O	E	L	O	E	L	O	E									
1	Professional Practice	PL	C	90		90	9																											90	9			
				TOTAL Internship:	90	0	90	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90	9				
				TOTAL:	2420	445	1975	210	335	30	445	30	450	30	345	30	300	30	285	30	260	30	2330															
								TOTAL EXCLUDING INTERNSHIPS																				2330										
								TOTAL																				2420										

The study ends with the awarding of an Engineer - Bachelor's Degree with engineering competencies in the field of Computer Science.

* Groups of modules

Group of programme co-related modules

Description:					
A student selects one of the modules offered within indicated areas.					
Modules:	Lang.	E/C	L	O	ECTS
Module in the "Civil Society and Entrepreneurship" area	-	C		30	3
Module in the "Creative Expression and Critical Thinking" area	-	C		30	3
Module in the "Digital World" area	-	C		30	3
Module in the "Health and Personal Development" area	-	C		30	3
Module in the "Natural Environment and Technologies" area	-	C		30	3
Module in the "The Limits of Science" area	-	C		30	3

Legend

Each semester consists of 15 weeks

E/C - exam/course work

E - ECTS

L - lecture, O - all forms of teaching excluding lecture (practical classes, laboratory classes, discussion classes, seminar, proseminar, language classes, field practice, workshop, internship, tutoring)