

Software and Internet Technologies (Bachelor CURRICULUM)

No	Subject Name	ECST credits	No	Subject Name	ECST credits
1	Foreign Language	2	7	Mathematics for Computing	7
2	Basic Mathematics	7	8	Algorithms and Data Structures	7
3	WEB Design	5	9	Logic and Automation	7
4	Programming Fundamentals - 1	7	10	Elective Subject	5
5	Computer Electronics	6	a	Programming Fundamentals - 2	
6	Elective Subject	1	b	Graphic Design	
a	Specialized Sport Activities - 1		11	Elective Subject	1
b	Sport and Social Adaptation		a	Specialized Sport Activities - 2	
			b	Sport and Social Adaptation	
			12	Practice - 1	1
<i>Total for the 1 semester</i>		28	<i>Total for the 2 semester</i>		28
13	Discrete Structures	6	19	Object-Oriented Programming Fundamentals (Java)	7
14	Data Management	6	20	WEB Applications	6
15	Object-Oriented Programming Fundamentals (C++)	7	21	Microprocessors	5
16	Computer Organization and Architectures	7	22	Programming Systems	6
17	System Analysis	6	23	Graphic Systems	6
18	Elective Subject	1	24	Object-Oriented Programming Fundamentals (C++), project	2
a	Specialized Sport Activities - 3		25	Elective Subject	1
b	Sports Management - 1		a	Specialized Sport Activities - 4	
			b	Sports Management - 2	
			26	Practice - 2	1
<i>Total for the 3 semester</i>		33	<i>Total for the 4 semester</i>		34
27	Operating Systems Principles	7	33	System Programming	6
28	Software Requirements and Specifications	5	34	Internet Servers and Services	5
29	Systems with Data Bases	7	35	Software Projects Management	5
30	Computer Networks and Internet	5	36	Programming for Mobile Internet Devices	6
31	Software Production Technology	6	37	Internet Technologies	7
32	Elective Subject - project	2	38	Elective Subject - project	2
a	Programming Systems, project		a	Operating Systems Principles, project	
b	Object-Oriented Programming Fundamentals (Java), project		b	Computer Networks and Internet, project	
c	Microprocessors, project		c	Software Production Technology, project	
d	Graphic Systems, project		d	Systems with Data Bases, project	
			39	Specialized Practice	5
<i>Total for the 5 semester</i>		32	<i>Total for the 6 semester</i>		36
40	Network Administration	6	46	Elective Subject - 1	6
41	Language Processors	7	47	Elective Subject - 2	6
42	Distributed Processing in Internet	7	48	Elective Subject - 3	6
43	User Interface Design	6	49	Preliminary Graduation Project	2

44	Elective Subject	6		Elective Subjects:	
a	Internet Information Retrieval		1	Office Technologies	
b	Information Protection and Security		2	Artificial Intelligence	
45	Practice - 3	2	3	Internet Data Protection	
			4	Economics and Management	
			5	Multimedia Systems and Technologies	
			6	Object-Oriented Applications	
			7	Script Languages	
			8	Information Systems	
			9	Cloud Technologies	
			10	Evolution and Quality of Software	
			11	E-commerce	
			12	Economics of Software Production	
			13	Criptography and Data Protection	
			14	Business Intelligence Systems	
			15	Information Management	
<i>Total for the 7 semester</i>		34	<i>Total for the 8 semester</i>		20

Total for the whole course of education				245
	Facultative Subjects			
1	Ecology	4		
2	Copyright Regulations	4		
3	Business Accounting	4		
4	Publishing Systems	4		
5	Philosophy	4		
6	English for Computing	4		

Type of Graduation	Semester	Unsupervised work	ECTS credits
Preparation of Diploma Thesis/State Examination	8	300	10
Defence of Diploma Thesis/ State Examination			