

CURRICULUM . PEDAGOGY OF INFORMATION TECHNOLOGY EDUCATION SPECIALTY
“BACHELOR’S” DEGREE – FULL-TIME
2021/2022

Code	Disciplines	Semester	Form of evaluation		Curricular load						Extracurricular load	Total number of credits
			Exam	OA	Total hours	Lectures	Seminars	Practical seminars	Observation	Ongoing practice	Hours	
	MANDATORY DISCIPLINES											
1	Introduction to Computer Science	I	+		60	30		30			72	5,3
2	Computer systems and networks	I	+		60	30		30			72	5,3
3	Further Mathematics part I	I	+		60	30		30			72	5,3
4	Basics of programming	II	+		75	30		45			90	6,6
5	Computer word processing	II	+		60	30		30			72	5,3
6	Further Mathematics part II	II	+		60	30		30			72	5,3
7	STEAM-based training in CSIT	III	+		60	30	10	20			72	5,3
8	Computer Graphics	III	+		75	30		45			90	6,6
9	Spreadsheets Part I	III	+		60	30		30			72	5,3
10	Spreadsheets Part II	IV	+		60	30		30			72	5,3
11	Databases and information systems	IV	+		75	30		45			90	6,6
12	Multimedia technologies in education	V	+		60	30		30			72	5,3
13	ICT in education and work in digital environment	V	+		60	30		30			72	5,3
14	IT school course grades 5 - 7	V	+		60	30		30			72	5,3
15	Visual environments for programming	VI	+		75	30		45			90	6,6

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16	IT school course grades 8 - 10	VI	+		60	30		30			72	5,3
17	Methodology of solving mathematical problems	VI	+		60	30	15	15			72	5,3
18	Methodology of CSITE	VII	+		60	30	15	15			72	5,3
19	Statistical methods in pedagogical diagnostics	VII	+		60	30		30			72	5,3
20	History of pedagogy and of Bulgarian education	II	+		60	30	30				72	5,3
21	Theory of education	I	+		60	30	30				72	5,3
22	General and age psychology	I	+		75	60	15				90	6,6
23	Didactics	II	+		60	30	30				72	5,3
24	Inclusive education	III	+		60	30	30				72	5,3
25	Educational psychology	IV	+		45	30	15				54	4,0
26	English	I		+	30			30			36	2,6
	English	II		+	30			30			36	2,6
	English	III		+	30			30			36	2,6
	English	IV		+	30			30			36	2,6
27	Sports	I		+	30			30			36	2,6
	Sports	II		+	30			30			36	2,6
	Sports	III		+	30			30			36	2,6

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	Sports	IV		+	30			30			36	2,6
	Ongoing pedagogical practice	IV								30	30	1,2
	Ongoing pedagogical practice	V								30	30	1,2
	Observation	VI							45		45	1,8
	Observation	VII							45		45	1,8
	Pre-diploma internship	VIII			180						216	15,8
	Final state examinations	VIII										10
	TOTAL:				1980	780	225	795	90	60	2526	190,3
	ELECTIVE DISCIPLINES											
	<u>FIRST GROUP</u> – pedagogical, psychological and specific didactic											
1.	Interactive methods in CSITE			+	30			30			36	2,6
2.	Student class management			+	30			30			36	2,6
3.	Project-based training			+	30	15		15			36	2,6
4.	Sociology			+	30	15		15			36	2,6
5.	Career awareness in a learning environment and career development			+	30	15		15			36	2,6
6.	Public speech			+	30	15		15			36	2,6
7.	Pedagogical ethics			+	30	15		15			36	2,6

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			Exam	OA	Total hours	Lectures	Seminars	Practical seminars	Observation	Ongoing practice	Hours	
8.	Modern aspects of citizenship education			+	30	15		15			36	2,6
9.	Positive approach in education			+	30	15		15			36	2,6
10.	English			+	30	15		15			36	2,6
11.	Sports			+	30	15		15			36	2,6
12.	Art therapy			+	30	15		15			36	2,6
13.	Informal education			+	30	15		15			36	2,6
14.	Pedagogical aspects of community holidays			+	30	15		15			36	2,6
	<u>SECOND GROUP</u> – interdisciplinary and applied-experimental, oriented to key competencies and related to the professional and pedagogical realization of teachers											
1.	E-resources in education			+	30			30			36	2,6
2.	Creating e-tests for student assessment			+	30			30			36	2,6
3.	Editors to create a site			+	30			30			36	2,6
4.	Music computer technologies			+	30	15		15			36	2,6
5.	Information technologies in the education of students with SEN			+	30	15		15			36	2,6
6.	E-learning			+	30	15		15			36	2,6
7.	Internet technologies			+	30			30			36	2,6
8.	IT school course grades 1 - 4			+	30			30			36	2,6
9.	Prevention of cyberbullying (language of the hate)			+	30	15		15			36	2,6

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10.	Image processing when working with specialized software			+	30	15		15			36	2,6
11.	Specialized IT terminology in English			+	30	15		15			36	2,6
12.	School course in computer modelling			+	30	15		15			36	2,6
13.	Specialized training in information technology			+	30	15		15			36	2,6
	TOTAL:				480	240		240			576	41,6
	OPTIONAL DISCIPLINES											
1.	E-portfolio			+	15			15			18	1,3
2.	Specialized educational software in primary school			+	15			15			18	1,3
3.	Specialized educational software in junior high school and high school			+	15			15			18	1,3
4.	Word processing practice			+	15			15			18	1,3
5.	Spreadsheet practice			+	15			15			18	1,3
6.	Programming practice			+	15	5		10			18	1,3
7.	Work on projects on the Internet			+	15			15			18	1,3
8.	Philosophy and virtual culture			+	15			15			18	1,3
9.	File formats, compatibility and conversion			+	15			15			18	1,3

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10.	Electronic accessibility and internet addiction			+	15			15			18	1,3
11.	Health education			+	15			15			18	1,3
12.	Educational culturological aspects of Bulgarian history			+	15	10	5				18	1,3
13.	Culture of Bulgarian speech			+	15			15			18	1,3
14.	Artistic heritage of Bulgaria			+	15	10		5			18	1,3
15.	Art and visual perceptions			+	15	10		5			18	1,3
16.	Volunteering as a social and educational activity			+	15	10		5			18	1,3
17.	Bulgarian language and style			+	15	5		10			18	1,3
18.	Music presentation development technology			+	15	10		5			18	1,3
	TOTAL:				120	80		40			144	10,4

SUMMARIZED DATA OF THE CURRICULUM

I. Relative share of the disciplines in the curriculum

Teaching load	Disciplines		Hours	
	number	%	num.of hours	%
1. <i>Mandatory disciplines</i>	27	52,94	1800	65,93
1.1. With a lecture course	25			
2. <i>Ongoing teaching practice and observation</i>			150	5,49
3. <i>Elective disciplines</i>	16	31,37	480	17,58
4. <i>Optional disciplines</i>	8	15,69	120	4,40
5. <i>Pre-diploma internship</i>			180	6,59
TOTAL	51	100%	2730	100%

Ratio between the disciplines:

1. By number: (elective + optional) / mandatory - **1:1,13 (24/27)**
2. By hours: (elective + optional) / mandatory - **1:3 (600/1800)**

II. Teaching staff

1. Total number of lecturers teaching mandatory and elective courses:	31
2. Relative share of the full-time habilitated lecturers from the general scientific teaching staff:	(19/36) 53%
3. The relative share of the proposed lecture courses, given by the full-time habilitated lecturers from the total number of lecture courses is:	70% (38/54)

III. Forms of inspection and evaluation

Forms	Number
1. Exams	25
2. Ongoing assessment	26

The training ends with:

1. Final state (practical-applied) examination and
2. Final state theoretical examination or diploma thesis defence

IV. ACCUMULATION OF CREDITS

1. Basis for the formation of 1 credit - **25 hours** of student load
2. Each discipline provides accumulation of credits from curricular and extracurricular student load
3. Average ratio in credits for a discipline: Curricular to extracurricular load: **1:1,2**
4. Final state examination or diploma thesis defence – **10 credits**

Total number of credits – **242,3**

Disciplines	Curricular load (num. of hours)	Credits
1. Mandatory disciplines	1800	158,5
2. Elective disciplines (16 disciplines)	480	41,6
3. Optional disciplines (8 disciplines)	120	10,4
4. Ongoing teaching practice and observation	150	6
5. Pre-diploma internship	180	15,8
6. Final state theoretical examination /Diploma thesis		10
Total:	2730	242,3