CURRICULUM OF
TECHNOLOGIES OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY EDUCATION SPECIALTY
"MASTER'S" DEGREE – PART-TIME

Code	Discipline	Semester	Form of evaluation		Curricular load				Extracurricular load	Total number of credits
			Exam	OA	Total hours	Lectures	Seminars/Practical seminars	Observation+on going practice	Hours	
	MANDATORY DISCIPLINES									
1.	Mathematical and logical fundamentals of computer systems	I	+		30	10	20		90	4,8
2.	Introduction to information systems and technologies	I	+		30	20	10		90	4,8
3.	The modern educational paradigm	I	+		15	10	5		45	2,4
4.	Basics of programming	II	+		30	20	10		90	4,8
5.	Selected questions from the school computer science course	II	+		35	10	15	10	105	5,6
6.	Selected questions from the school IT course	II	+		35	10	15	10	105	5,6
7.	Methodology of CSIT training	II	+		30	10	10	10	90	4,8
8.	Technologies and methodology of e-learning	III	+		30	20	10		90	4,8
9.	Web systems and technologies	III	+		30	20	10		90	4,8
10.	Methodology and methods of pedagogical research	III	+		15	10	5		45	2,4
11.	Specialized statistical software	III.	+		30	20	10		90	4,8
	TOTAL:				**310**	**160**	**120**	**30**	**930**	**49.6**
	ELECTIVE DISCIPLINES									
	FIRST GROUP – pedagogical, psychological and specific didactic									
1.	Educational computer games in CSIT training			+	15	10	5		45	2,4
2.	Event-driven programming			+	15	10	5		45	2,4
3.	Computer security			+	15	10	5		45	2,4
4.	Specialized educational software for primary school			+	15		15		45	2,4
5.	High-tech tools for CSEN			+	15	10	5		45	2,4

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6.	Methodological aspects of CM training in the initial stage			+	15	10	5		45	2,4
	SECOND GROUP – **interdisciplinary and applied-experimental, oriented to key competencies and related to the professional and pedagogical realization of teachers**									
1.	Interactive methods in CSITE			+	15	10	5		45	2,4
2.	Image processing when working with specialized software			+	15	10	5		45	2,4
3.	Mastering basic legal literacy			+	15	10	5		45	2,4
4.	Teacher career development management			+	15	10	5		45	2,4
5.	Project management			+	15		15		45	2,4
6.	Integrative possibilities of information technology education in junior high school and high school stage			+	15	10	5		45	2,4
	OPTIONAL DISCIPLINES									
1.	Virtual learning environments			+	15	10	5		45	2,4
2.	Communicative strategies in education			+	15		15		45	2,4
3.	Website design and creation			+	15		15		45	2,4
4.	Methodology and technologies for development and application of e-tests			+	15		15		45	2,4
5.	Work on projects on the Internet			+	15		15		45	2,4
6.	Electronic accessibility and internet addiction			+	15		15		45	2,4

SUMMARIZED DATA OF THE CURRICULUM

I. Relative share of the disciplines in the curriculum

Teaching load	Disciplines		Hours	
	number	**%**	**num.of hours**	**%**
1. Mandatory disciplines	11	55%	**310**	69,7%
1.1. With a lecture course	11	55%	**310**	69,7%
2. Elective disciplines	6	30%	**90**	20,2%
3. Optional disciplines	3	15%	**45**	10,1%
ОБЩО	**20**	**100%**	**445**	**100%**

Ratio between the disciplines:

1. By number: (elective + optional) / mandatory - **1:1,22 (9/11)**
2. By hours: (elective + optional) / mandatory - **1:2,3 (135/310)**

II. Teaching staff

1. Total number of lecturers teaching mandatory and elective courses:	11
2. Relative share of the full-time habilitated lecturers from the general scientific teaching staff:	(11/12) 91,67%
3. The relative share of the proposed lecture courses, given by the full-time habilitated lecturers from the total number of lecture courses is:	95,45% (21/22)

III. Forms of inspection and evaluation

Forms	Number
1. Exams	11
2. Ongoing assessment	9

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. Credits from curricular and extracurricular load – **78,4 credits**
4. Final state examination or diploma thesis defence – **15 credits**

Total number of credits   - 93,4

Учебни дисциплини	Curricular load (num. of hours)	Credits
1. Mandatory disciplines (11 disciplines)	310	49,6
2. Elective disciplines (6 disciplines)	90	14,4
3. Optional disciplines (3 disciplines)	45	7,2
4. Internship	45	7,2
5. Final state theoretical examination /Diploma thesis		15
Total:	**490**	**93,4**