

V. PLAN OF THE EDUCATIONAL PROCESS

No.	ACADEMIC DISCIPLINE	Semester allocation					number of ECTS credits	Amount of hours								Allocation of hours per week according to years and semesters							
		exams	tests	term papers / projects	practical training	Bachelor's thesis / project		total amount	class hours				independent work	1st year		2nd year		3rd year		4th year			
									amount of total class hours	including:				semesters									
										lectures	practical classes	seminars		laboratory work	1	2	3	4	5	6	7	8	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1. COMPULSORY ACADEMIC DISCIPLINES																							
1.1. General training course																							
OC1	History of Ukrainian statehood and culture	1					4	120	48	24		24			72	3							
OC2	Academic integrity and basics of scientific research	1					4	120	48	16	16	16			72	3							
OC3	Ukrainian (professional)	1					4	120	48		48			72	3								
OC4	Health and safety, labor protection and civil defense		1				3	90	32	16	16			58	2								
OC5	Foreign language (professional)	4,7	1,2,3,5,6				21	630	330		330			300	3	3	3	3	3	3	3		
OC6	Philosophy, ethics and aesthetics		2				3	90	32	16		16		58		2							
OC7	Law		2				4	120	48	24		24		72		3							
OC8	Business psychology		3				3	90	32	16	16			58			2						
Total per course:		5	9	0	0	0	46	1380	618	112	426	80	0	762	14	8	5	3	3	3	3	3	0
1.2. Professional training course																							
OC9	Linear algebra and analytic geometry	1					4	120	48	24	24			72	3								
OC10	Physics (selected sections)	3					4	120	48	16	32			72			3						
OC11	Computer-based discrete mathematics	2					4	120	48	20			28	72		3							
OC12	Fundamentals of programming	2	1				8	240	96	32			64	144	3	3							
OC13	Methods and tools of computer information technology		2				4	120	48	20			28	72		3							
OC14	Probability theory and mathematical statistics	3					4	120	48	16	32			72			3						
OC15	Fundamentals of software engineering		2				4	120	48	16			32	72		3							
OC16	Group dynamics and communications		3				4	120	48	18	30			72			3						
OC17	Higher and applied mathematics	2	1				8	240	96	48	48			144	3	3							
OC18	Operating systems	3					4	120	48	16			32	72			3						
OC19	Computer networking organization	4					4	120	48	16			32	72					3				
OC20	Object-oriented programming	4	3				8	240	96	32			64	144			3	3					
OC21	Organization of databases and knowledge bases	4	3	4			8	240	78	28			50	162			3	2					
OC22	Data algorithms and structures	4					4	120	48	16			32	72					3				

4. ASSESSMENT

OC37	Execution of the qualifying paper					8	6	180	0						180							
TOTAL:		0	0	0	0	1	6	180	0	0	0	0	0	0	180	0	0	0	0	0	0	0
TOTAL TRAINING HOURS		26	35	2	2	1	240	7200	2622	918	720	80	892	4578	23	23	23	22	22	18	19	17
	Number of exams	26													4	3	3	5	3	3	3	2
	Number of tests		35												4	5	5	3	5	4	4	5
	Number of term papers / projects			2											0	0	0	1	0	1	0	0
	Amount of practical training				2										0	0	0	0	0	1	1	0
	Qualifying paper					1									0	0	0	0	0	0	0	1
	Total:				66										8	8	8	9	8	9	8	8

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