

Name	Forms of interim assessment						Credits	Total academic hours					Year 1		Year 2		Assigned department	
	Examination	Pass/fail exam	Pass/fail exam with a grade	Term project	Course work	Calculation and graphic work		Fact	As scheduled	Work with a teacher	Self study	Control	Semester 1	Semester 2	Semester 3	Semester 4	Code	Name
Unit 1. Disciplines (modules)							84	3024	1181.2	1530.05	312.75	24	29	21	10			
Core part							61	2196	889.15	1098.35	208.5	20	20	11	10			
Social and humanitarian module							1	114								3		
Research methodology		1					2	72	32.15	39.85		2				12	Department of Applied informatics	
Business foreign language		1					2	72	32.15	39.85		2				45	Department of Foreign languages	
Self-management and effective leadership	1						3	108	47.25	26	34.75	3				52	Department of Management	
Legal regulation of the IT sphere		4					3	108	42.15	65.85				3		12	Department of Applied informatics	
Mathematical module							123	23										
Graph theory	1						5	180	65.25	80	34.75	5				13	Department of Applied mathematics and information technologies	
Game theory and optimization methods	2						5	180	65.25	80	34.75		5			13	Department of Applied mathematics and information technologies	
Computational complexity theory		3					3	108	62.15	45.85				3		12	Department of Applied mathematics and information technologies	
Applied Statistics and Data Analysis	3	2				3	8	288	128.4	124.85	34.75		3	5		13	Department of Applied mathematics and information technologies	
Module "High-tech information technologies"							2	1										
Information technologies in research activities		1					3	108	60.15	47.85		3				13	Department of Applied mathematics and information technologies	
Design and development of high-tech software	2					2	5	180	66.25	79	34.75		5			13	Department of Applied mathematics and information technologies	
General professional module							1	22344										
ETL systems and databases	1					1	5	180	64.25	81	34.75	5				13	Department of Applied mathematics and information technologies	
Workshop on programming and algorithmization		2					4	144	64.15	79.85			4			12	Department of Applied mathematics and information technologies	
Artificial intelligence project management		2					3	108	48.15	59.85			3			13	Department of Applied mathematics and information technologies	
Technology entrepreneurship		34				4	7	252	71.3	180.7				3	4	13	Department of Applied mathematics and information technologies	
Software development and adaptation management		4					3	108	40.15	67.85					3	12	Department of Applied informatics	
Part, formed by the educational process participants							23	828	292.05	431.7	104.25	4	9	10				
Data Mining technologies		1					4	144	62.15	81.85		4				13	Department of Applied mathematics and information technologies	
Parallel and distributed computing	2						5	180	65.25	80	34.75		5			12	Department of Applied informatics	
Elective disciplines (modules)1							3							5				
Heuristic algorithms and artificial neural networks	3						5	180	63.25	82	34.75			5		13	Department of Applied mathematics and information technologies	
Search algorithms	3						5	180	63.25	82	34.75			5		12	Department of Applied informatics	
Elective disciplines (modules)1							3	2	23					4	5			
Design and development of data mining systems (design workshop)	3		2	23			9	324	101.4	187.85	34.75		4	5		13	Department of Applied mathematics and information technologies	
Design and development of intelligent decision support systems (design workshop)	3		2	23			9	324	101.4	187.85	34.75		4	5		13	Department of Applied mathematics and information technologies	
Unit2. Practical training							27	972	972			3	6	3	15			
Core part							27	972	972			3	6	3	15			
Academic training							3	108	108			3						
Technological practice		1					3	108	108			3				13	Department of Applied mathematics and information technologies	
Production practice							24	864	864				6	3	15			
Technological practice		2					6	216	216			6				13	Department of Applied mathematics and information technologies	
Scientific research work		34					9	324	324				3	6		13	Department of Applied mathematics and information technologies	
Pre-graduation practice		4					9	324	324					9		13	Department of Applied mathematics and information technologies	
Unit 3. State final examination							9	324			324				9			
Preparation for the defense procedure and defense of the final qualification work							9	324			324				9	13	Department of Applied mathematics and information technologies	
Elective courses							19	684	286.15	363.1	34.75	4	2	11	2			
Foreign language for specific purposes		234					6	216	96.45	119.55			2	2	2	45	Department of Foreign languages	
Bridge course in higher mathematics		1					2	72	32.15	39.85		2				13	Department of Applied mathematics and information technologies	
Bridge course in information technology		1					2	72	32.15	39.85		2				13	Department of Applied mathematics and information technologies	
Cloud technologies		3					4	144	62.15	81.85				4		13	Department of Applied mathematics and information technologies	
Dialogue systems and speech technologies	3						5	180	63.25	82	34.75			5		13	Department of Applied mathematics and information technologies	