

Name	Form of assessment						Credits	Total academic hours						Year 1		Year 2		Assigned department	
	Examination	Pass/fail test	Pass/fail exam with a grade	Term project	Course work	Calculation and graphic work		Fact	As scheduled	Work with a teacher	Class-room	Self-study	Cotrol	Semester 1	Semester 2	Semester 3	Semester 4	Code	Name
														Credits	Credits	Credits	Credits		
<b>Unit 1. Disciplines (modules)</b>							84	3024	1190.2	1018	1530.05	303.75	24	29	21	10			
<b>Core part</b>							61	2196	895.15	778	1098.35	202.5	20	20	11	10			
<b>Socio-humanitarian module</b>			114				10	360	154.7	130	171.55	33.75	7			3			
Methodology of scientific research		1					2	72	32.15	30	39.85		2				12	Department of Control systems and computer engineering	
Foreign language for business communication		1					2	72	32.15	30	39.85		2				45	Department Foreign languages	
Self-management and strong leadership	1						3	108	48.25	30	26	33.75	3				52	Department of Management	
Legal regulation of IT-sphere		4					3	108	42.15	40	65.85					3	12	Department of Control systems and computer engineering	
<b>Mathematical module</b>	123	23				3	21	756	324.05	300	330.7	101.25	5	8	8				
Graph theory	1						5	180	66.25	60	80	33.75	5				13	Department of Applied mathematics and information technologies	
Game theory and optimization methods	2						5	180	66.25	60	80	33.75		5			13	Department of Applied mathematics and information technologies	
Computational complexity theory		3					3	108	62.15	60	45.85				3		12	Department of Control systems and computer engineering	
Applied statistics and data analysis	3	2				3	8	288	129.4	120	124.85	33.75		3	5		13	Department of Applied mathematics and information technologies	
<b>Module "Knowledge-intensive information technologies"</b>	2	1				2	8	288	127.4	106	126.85	33.75	3	5					
Information technologies in research activities		1					3	108	60.15	46	47.85		3				13	Department of Applied mathematics and information technologies	
Design and development of knowledge-intensive software	2					2	5	180	67.25	60	79	33.75		5			13	Department of Applied mathematics and information technologies	
<b>General professional module</b>	1	22344				14	22	792	289	242	469.25	33.75	5	7	3	7			
ETL systems and databases	1					1	5	180	65.25	46	81	33.75	5				13	Department of Applied mathematics and information technologies	
Workshop on programming and algorithmization		2					4	144	64.15	60	79.85			4			12	Department of Control systems and computer engineering	
Project management in the field of artificial intelligence		2					3	108	48.15	46	59.85			3			13	Department of Applied mathematics and information technologies	
Technology entrepreneurship		34				4	7	252	71.3	60	180.7				3	4	13	Department of Applied mathematics and information technologies	
Management of software development and adaptation		4					3	108	40.15	30	67.85					3	13	Department of Applied mathematics and information technologies	
<b>Part formed by the educational process participants</b>							23	828	295.05	240	431.7	101.25	4	9	10				
Data mining technologies		1					4	144	62.15	60	81.85		4				13	Department of Applied mathematics and information technologies	
Parallel and distributed computing	2						5	180	66.25	60	80	33.75		5			12	Department of Control systems and computer engineering	
<b>Elective Disciplines</b>																			
Heuristic algorithms and artificial neural networks	3						5	180	64.25	60	82	33.75			5		13	Department of Applied mathematics and information technologies	
Search algorithms	3						5	180	64.25	60	82	33.75			5		12	Department of Control systems and computer engineering	
<b>Elective Disciplines</b>																			
Design and development of data mining systems (project workshop)	3		2	23			9	324	102.4	60	187.85	33.75		4	5		13	Department of Applied mathematics and information technologies	
Design and development of intelligent decision support systems (project workshop)	3		2	23			9	324	102.4	60	187.85	33.75		4	5		13	Department of Applied mathematics and information technologies	
<b>Unit 2. Practical training</b>							27	972	972				3	6	3	15			
<b>Core part</b>							27	972	972				3	6	3	15			
<b>Academic training</b>			1				3	108	108				3						
Technological practice		1					3	108	108				3				13	Department of Applied mathematics and information technologies	
<b>On-the-job training</b>			2344				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	
Pregraduation practice		4					9	324	324							9	13	Department of Applied mathematics and information technologies	
<b>Unit 3. State final examination</b>							9	324				324				9			
Execution and defense of the final qualification work							9	324				324				9	13	Department of Applied mathematics and information technologies	
<b>Elective courses</b>							19	684	287.15	210	363.1		4	2	6	2			
Professional foreign language		234					6	216	96.45	90	119.55	33.75		2	2	2	45	Department Foreign languages	
Bridging program of higher mathematics		1					2	72	32.15	30	39.85		2				13	Department of Applied mathematics and information technologies	
Bridging program of IT		1					2	72	32.15	30	39.85		2				13	Department of Applied mathematics and information technologies	
Cloud technologies		3					4	144	62.15	60	81.85				4		13	Department of Applied mathematics and information technologies	
Dialogue systems and speech technologies	3						5	180	64.25	60	82	33.75			5		13	Department of Applied mathematics and information technologies	