

Name	Forms of interim assessment				Credits	Total academic hours				Year 1		Year 2		Assigned department	
										Semest er 1 [16 weeks]	Semest er 2 [16 weeks]	Semest er 3 [16 weeks]	Semest er4 [8 weeks]		
	Examin ation	Pass/ fail exam	Pass/ fail exam with a grade	Course work	Fact	As sheduled	Work with a teacher	Self study	Control	Credits	Credits	Credits	Credits	Code	Name
Unit 1. Disciplines (modules)					89	3204	1134.65	1791.35	278	25	26	23	15		
Core part					45	1620	700.05	780.95	139	25	11	6	3		
Foreign language for business purposes		1			3	108	35.15	72.85		3				45	Department of Foreign languages
Graph theory	1				5	180	54.25	91	34.75	5				13	Department of Applied mathematics and Information technologies
ETL systems and databases	1			1	6	216	92.25	89	34.75	6				13	Department of Applied mathematics and Information technologies
Mathematical foundations of machine learning		1			3	108	53.15	54.85		3				13	Department of Applied mathematics and Information technologies
Data mining technologies		1			3	108	53.15	54.85		3				15	Department of Digital transformation and business-analytics
Game theory and optimization methods	2				5	180	54.25	91	34.75		5			13	Department of Applied mathematics and Information technologies
Design and development of science-intensive software	2		1	2	11	396	216.4	144.85	34.75	5	6			13	Department of Applied mathematics and Information technologies
Project management in artificial intelligence		3			3	108	53.15	54.85				3		13	Department of Applied mathematics and Information technologies
Computational complexity theory		3			3	108	35.15	72.85				3		12	Department of Applied informatics
Management of software development and adaptation		4			3	108	53.15	54.85					3	12	Department of Applied informatics
Part formed by the educational process participants					44	1584	434.6	1010.4	139		15	17	12		
Scientific and technical workshop			234		21	756	96.45	659.55			7	7	7	13	Department of Applied mathematics and Information technologies
Parallel and distributed computing	2				4	144	54.25	55	34.75		4			15	Department of Digital transformation and business-analytics
Design and development of data mining systems	3		2		9	324	141.4	147.85	34.75		4	5		15	Department of Digital transformation and business-analytics
Elective courses	34				10	360	142.5	148	69.5			5	5		
Neural networks and nonlinear optimization problems	34				10	360	142.5	148	69.5			5	5	13	Department of Applied mathematics and Information technologies
Heuristic algorithms and neural networks	34				10	360	142.5	148	69.5			5	5	15	Department of Digital transformation and business-analytics
Unit 2.Practical training					22	792	792			3	6	4	9		
Core part					22	792	792			3	6	4	9		
Academic practice			1		3	108	108			3					
Technological (project-technological) practice			1		3	108	108			3				13	Department of Applied mathematics and Information technologies
Production practice			234		19	684	684				6	4	9		
Scientific research work			2		6	216	216				6			13	Department of Applied mathematics and Information technologies
Scientific research work			3		4	144	144					4		13	Department of Applied mathematics and Information technologies
Pregraduation 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					8	288	136.6	151.4		2	2	2	2		
Professional foreign language		234			6	216	102.45	113.55			2	2	2	45	Department of Foreign languages
Adaptation course of higher mathematics		1			2	72	34.15	37.85		2				13	Department of Applied mathematics and Information technologies