

Code	Subjects	Distribution for terms (semesters)				ECTS Credits	Number of hours				
		Exams	Final tests	Course projects	Coursework		Total	Lectures/practical lessons			Self-study
								Lectures	Practical	Laboratory	
1	2	3	4	5	6	7	8	9	10	11	12
I.4. Humanities training (optional courses)											
1/IV	History Subjects		2			2	60	18	18		24
2/IV	Ukrainian Language Subjects		1			2	60	18	18		24
3/IV	Philosophy Subjects		4			2	60	18	18		24
4/IV	Psychology Subjects		4			2	60	18	18		24
5/IV	Subjects on Law		6			2	60	18	18		24
6/IV	Subjects on Humanities and Social Sciences #1		5			2	60	18	18		24
7/IV	Subjects on Humanities and Social Sciences #2		7			2	60	18	18		24
8/IV	Foreign Language		2,4d			6	180		144		36
9/IV	Foreign Language for Professional Purposes		6,7d			4	120		30		30
total number of part I.4			11			24	720	126	360		234
TOTAL IN GENERAL TRAINING		18	22		3	167.5	5025	1386	882	324	2433
II. VOCATIONAL TRAINING											
II.1. Vocational and practical training (major courses)											
1/c	Web-Oriented Software Development	5				4.5	135	54		18	63
2/c	Algorithms and Data Structures		1			4	120	36		18	66
3/c	Distributed Systems and Parallel Computing Technologies		5d			5	150	36		36	78
4/c	Electronics and Electrical Engineering		3			3	90	36		18	36
5/c	Computer Circuit Engineering and Computer Architecture	4				4	120	54		18	48
6/c	IT-Projects Management		8d			3	90	36	18		36
7/c	Making Decisions under Conflicts	8				4	120	36	18		66
8/c	Harmonic Analysis and Operational Calculus	4				4	120	36	36		48
9/c	Mathematical Statistics		4			3	90	36	18	36	
total number of part II.1		4	5			34.5	1035	360	90	108	477
II.2. Vocational and practical training (optional courses)											
1/cb	Geoinformatics Systems		3			3	90	36	18		36
2/cb	Introduction to Data Mining		1			2.5	75	18		18	39
3/cb	Programming		2d		2	7	210	54		54	102
4/cb	Applied Statistics		5			3	90	36	18		36
5/cb	Text Mining Analysis		6			3.5	105	36		18	51
6/cb	Data Mining Models and Methods		7			3	90	36		18	36
7/cb	Nonparametric Programming Languages		5			3	90	36		18	36
8/cb	Data Mining in Geoinformatics		7			3	90	36		18	36
9/cb	Theory of Information and Coding		3			3	90	36	18		36
10/cb	SAS Software and Hardware for Data Storage Processing and Analysis	7				3	90	36		18	36
11/cb	Artificial Intelligence Methods and Systems	8				4	120	36		18	66
total number of part II.2		2	9		1	38	1140	396	54	180	510
TOTAL IN VOCATIONAL TRAINING		6	14		1	72.5	2175	756	144	288	987
TOTAL		24	36		4	240.0	7200	2142	1026	612	3420

Approved by Faculty Academic Council, Meeting protocol № ____ from April 25, 2017

Head of the Department _____ O.L.Tymoschuk
 Dean of the Faculty (Director of the Institute) _____ V.D.Romanenko