

To consider in the table	Index	Name	Form of control								number of credits		Total number of acad.hours										Responsible academic department															
			Box/part	Examination	Credit	Graded test	Term project	Course work	Review work	Controlled graphic work	Expert	Fact	Expert	According to plan	Auditorium hours	AUD.	Solo work	Review work	1st year		2nd Year		3rd Year		4th Year		Code	Name										
																			number of credits	number of credits	number of credits	number of credits	number of credits	number of credits	number of credits	number of credits												
Box 1.Discipline (modules)																																						
Mandatory part																																						
+	BI.O.01	Socio-humanitarian module	BI.O	16	114	23												18	18	648	648	274.6	218.6	298	75.4	8	2	3	2	3								
+	BI.O.01.01	History	BI.O	1														4	4	144	144	48.8	32.8	53	42.2	4						71	History					
+	BI.O.01.02	Social cooperation in the industry	BI.O		11	2												6	6	216	216	97.8	91.8	118.2		4	2											
+	BI.O.01.02.01	Cultural studies and intercultural communication	BI.O		1													2	2	72	72	32.6	30.6	39.4		2							72	Philosophy and cultural studies				
+	BI.O.01.02.02	Sociology	BI.O			2												2	2	72	72	32.6	30.6	39.4		2	2						75	Social Sciences, pedagogy and law				
+	BI.O.01.02.03	Psychology of communication	BI.O		1													2	2	72	72	32.6	30.6	39.4		2							75	Social Sciences, pedagogy and law				
+	BI.O.01.03	Philosophy	BI.O			3												3	3	108	108	46.6	30.6	61.4				3						72	Philosophy and cultural studies			
+	BI.O.01.04	Industry economics	BI.O	6														3	3	108	108	48.8	32.8	26	33.2					3				64	Economic theory			
+	BI.O.01.05	Statutory regulation in building. Corruption risks	BI.O		4													2	2	72	72	32.6	30.6	39.4				2						75	Social Sciences, pedagogy and law			
+	BI.O.02	Module "Physical culture and sport"	BI.O		16													2	2	72	72	32.6	32.6	39.4						1								
+	BI.O.02.01	Basics of physical culture	BI.O		1													1	1	36	36	16.3	16.3	19.7										74	Physical culture			
+	BI.O.02.02	Physical self-improvement	BI.O		6													1	1	36	36	16.3	16.3	19.7						1				74	Physical culture			
+	BI.O.03	Mathematical and natural science module	BI.O	11233	1224					11222	33							35	35	1260	1260	593.2	487.2	449.6	217.2	10	11	11	3									
+	BI.O.03.01	Chemistry	BI.O	1						1								4	4	144	144	64.8	62.8	37	42.2	4									84	Chemistry		
+	BI.O.03.02	Mathematics	BI.O	123	1					1223								14	14	504	504	235	189	160.4	108.6	6	5	3										
+	BI.O.03.02.01	Algebra and geometry	BI.O	1						1								4	4	144	144	62.8	46.8	39	42.2	4										81	Calculus	
+	BI.O.03.02.02	Mathematical analysis	BI.O	2	1					22								7	7	252	252	109.4	93.4	109.4	33.2	2	5									81	Calculus	
+	BI.O.03.02.03	Probability theory and mathematical statistics	BI.O	3						3								3	3	108	108	62.8	48.8	12	33.2					3						81	Calculus	
+	BI.O.03.03	Physics	BI.O	3	2					23								8	8	288	288	123.4	95.4	131.4	33.2		3	5								83	Physics	
+	BI.O.03.04	Information technology	BI.O	3	2													6	6	216	216	123.4	93.4	59.4	33.2		3	3								82	Computer science and information technology	
+	BI.O.03.05	Mathematical modeling	BI.O															3	3	108	108	46.6	46.6	61.4					3							82	Computer science and information technology	
+	BI.O.04	Module "Business communication"	BI.O		123	24												10	10	360	360	219	209	141		2	4	2	2									
+	BI.O.04.01	Russian language and culture of speech	BI.O		2													2	2	72	72	32.6	30.6	39.4			2									76	Russian language	
+	BI.O.04.02	Foreign language	BI.O		13	24												8	8	288	288	186.4	178.4	101.6		2	2	2	2								73	Foreign languages
+	BI.O.05	Module "Safe conditions of vital activities"	BI.O		4	5												4	4	144	144	91.2	61.2	52.8				2	2									
+	BI.O.05.01	Engineering ecology	BI.O		4													2	2	72	72	46.6	30.6	25.4					2							11	Ichthyology and ecology	
+	BI.O.05.02	Life safety	BI.O			5												2	2	72	72	44.6	30.6	27.4						2						23	Life safety	
+	BI.O.06	Engineering module	BI.O	2244	11223	3456				12344	4							30	30	1080	1080	547.6	440.6	399.6	132.8	4	10	4	8	2	2							
+	BI.O.06.01	Engineering and computer graphics	BI.O	2	1					12								12	5	180	180	81.4	65.4	65.4	33.2	2	3									35	Engineering graphics	
+	BI.O.06.02	Engineering geodesy	BI.O	2	1													5	5	180	180	67.4	63.4	79.4	33.2	2	3									91	Industrial and civil construction	
+	BI.O.06.03	Engineering geology	BI.O	2														2	2	72	72	46.6	30.6	25.4			2								91	Industrial and civil construction		
+	BI.O.06.04	Fluid and gas mechanics	BI.O	2														2	2	72	72	46.6	30.6	25.4			2								93	Water resources and water use		
+	BI.O.06.05	Theoretical mechanics	BI.O	3														2	2	72	72	46.6	44.6	25.4				2							34	Theory of mechanisms and machines, machine parts		
+	BI.O.06.06	Structural performance of materials	BI.O	4	3					34								5	5	180	180	84.4	79.4	62.4	33.2		2	3								91	Industrial and civil construction	
+	BI.O.06.07	Basics of technical mechanics	BI.O	4														4	2	2	72	72	47.6	33.6	24.4					2					34	Theory of mechanisms and machines, machine parts		
+	BI.O.06.08	Electrical engineering and electronics	BI.O	4														4	3	108	108	47.8	31.8	27	33.2				3						45	Electrical equipment of ships and electric power industry		
+	BI.O.06.09	Metrology, standardization, certification and quality management	BI.O		5													2	2	72	72	46.6	30.6	25.4					2						91	Industrial and civil construction		
+	BI.O.06.10	Basics of geotechnics	BI.O		6													2	2	72	72	32.6	30.6	39.4						2					91	Industrial and civil construction		
+	BI.O.07	General professional module	BI.O	3455	4477	3	5	344		4	30	30	1080	1080	465.2	373.2	448.8	166								7	10	8		5								
+	BI.O.07.01	Building materials	BI.O	3														4	4	144	144	48.8	32.8	62	33.2			4								91	Industrial and civil construction	
+	BI.O.07.02	The basic architecture	BI.O			3												3	3	108	108	47.6	33.6	60.4				3								91	Industrial and civil construction	
+	BI.O.07.03	Fundamentals of building structures	BI.O		4													4	4	144	144	51.6	49.6	59.2	33.2			4								91	Industrial and civil construction	
+	BI.O.07.04	Basics of heat and gas supply and ventilation	BI.O	4														3	3	108	108	51.8	49.8	23	33.2				3							92	Heat and gas supply and ventilation	
+	BI.O.07.05	Basics of water supply and sanitation	BI.O	4														3	3	108	108	44.6	30.6	63.4					3								92	Heat and gas supply and ventilation
+	BI.O.07.06	Technological processes in construction	BI.O	5														4	4	144	144	68.8	66.8	42	33.2				4							91	Industrial and civil construction	
+	BI.O.07.07	Means of mechanization in construction	BI.O	5														4	4	144	144	62.8	48.8	48	33.2				4							91	Industrial and civil construction	
+	BI.O.07.08	Organization, planning and construction management	BI.O	7														3	3	108	108	44.6	30.6															

