

to consider in the plan	Index	Name	Form of control					number of credits		Total number of acad.hours							1st year		2nd Year		Responsible academic department	
			Examination	Credit	Graded test	Term project	Course work	Calculated graphic work	Expert	Fact	Expert	According to plan	Auditorium hours	AUD.	Solo work	Review work	number of credits	number of credits	number of credits	number of credits	Code	Name
<b>Box 1. Discipline (modules)</b>																						
<b>Mandatory part</b>																						
+	BL.O.01	Philosophy and methodology of scientific research	1					3	3	108	108	46.8	32.8	33.6	27.6	3				72	Philosophy and cultural studies	
+	BL.O.02	Professional foreign language		1				2	2	72	72	32.6	30.6	39.4		2				73	Foreign languages	
+	BL.O.03	Information technologies in professional activity		1				2	2	72	72	32.6	30.6	39.4		2				93	Water resources and water use	
+	BL.O.04	Economy of water use		1				2	2	72	72	32.6	22.6	39.4		2				93	Water resources and water use	
+	BL.O.05	Organizational and management decisions		1				2	2	72	72	32.6	22.6	39.4		2				61	Production management	
+	BL.O.06	Human resource management		2				2	2	72	72	44.6	30.6	27.4			2			69	Human resource management in industries and complexes	
+	BL.O.07	Environmental quality management	2				2	3	3	108	108	47.8	33.8	32.6	27.6		3			93	Water resources and water use	
+	BL.O.08	Business and scientific communication in a foreign language		2				2	2	72	72	32.6	30.6	39.4			2			73	Foreign languages	
+	BL.O.09	Basics of professional disciplines teaching		3				2	2	72	72	44.6	28.6	27.4				2		93	Water resources and water use	
									20	20	720	720	346.8	262.8	318	55.2	11	7	2			
<b>The part formed by the participants of educational relations</b>																						
+	BL.V.01	Engineering hydrology		1				2	2	72	72	32.6	22.6	39.4		2				93	Water resources and water use	
+	BL.V.02	Management of natural and technogenic complexes	1				1	4	4	144	144	65.8	63.8	50.6	27.6	4				93	Water resources and water use	
+	BL.V.03	Research methods of reclamation and water management systems	1				1	4	4	144	144	51.8	35.8	64.6	27.6	4				93	Water resources and water use	
+	BL.V.04	Workshop on information technologies in water supply		2				2	2	72	72	32.6	30.6	39.4			2			93	Water resources and water use	
+	BL.V.05	Mathematical modeling of processes in the components of nature		2				2	2	72	72	32.6	30.6	39.4			2			93	Water resources and water use	
+	BL.V.06	Automation of water supply and sanitation systems	2				2	4	4	144	144	51.8	35.8	64.6	27.6		4			93	Water resources and water use	
+	BL.V.07	Modern technologies of water treatment and wastewater treatment	2			2		4	4	144	144	52.8	36.8	63.6	27.6		4			93	Water resources and water use	
+	BL.V.08	Methods of engineering and environmental surveys		3				2	2	72	72	46.6	44.6	25.4				2		93	Water resources and water use	
+	BL.V.09	Design and engineering of water supply and sanitation systems	3			3		4	4	144	144	52.8	36.8	63.6	27.6			4		93	Water resources and water use	
+	BL.OO.01	Optional disciplines B1.OO.1		2				2	2	72	72	32.6	22.6	39.4			2					
+	BL.OO.01.01	Energy efficiency of water management systems		2				2	2	72	72	32.6	22.6	39.4			2			93	Water resources and water use	
-	BL.OO.01.02	Problems of water supply and sanitation in the region		2				2	2	72	72	32.6	22.6	39.4			2			93	Water resources and water use	
+	BL.OO.02	Optional disciplines B1.OO.2		3		3		5	5	180	180	68.8	66.8	83.6	27.6			5				
+	BL.OO.02.01	Agricultural water supply systems		3		3		5	5	180	180	68.8	66.8	83.6	27.6			5		93	Water resources and water use	
-	BL.OO.02.02	Industrial water supply systems		3		3		5	5	180	180	68.8	66.8	83.6	27.6			5		93	Water resources and water use	
+	BL.OO.03	Optional disciplines B1.OO.3		3				3	3	108	108	48.8	32.8	31.6	27.6				3			
+	BL.OO.03.01	Engineering protection of territories		3				3	3	108	108	48.8	32.8	31.6	27.6				3	93	Water resources and water use	
-	BL.OO.03.02	Investment projects in the water sector		3				3	3	108	108	48.8	32.8	31.6	27.6			3		93	Water resources and water use	
+	BL.OO.04	Optional disciplines B1.OO.4		3				2	2	72	72	32.6	30.6	39.4				2				
-	BL.OO.04.01	Ecological expertise of water bodies		3				2	2	72	72	32.6	30.6	39.4				2		93	Water resources and water use	
+	BL.OO.04.02	In-house engineering systems		3				2	2	72	72	32.6	30.6	39.4				2		93	Water resources and water use	
									40	40	1440	1440	602.2	490.2	644.6	193.2	10	14	16			
									60	60	2160	2160	949	753	962.6	248.4	21	21	18			
<b>Box 2. Practice</b>																						
<b>Mandatory part</b>																						
+	B2.O.01(Study practice)	Study practice for obtaining primary professional skills and abilities			1			3	3	108	108	108	108			3				93	Water resources and water use	
+	B2.O.02(Scientific research-SR)	Industrial placement and research work			23			6	6	216	216	216	216				3	3		93	Water resources and water use	
+	B2.O.03(Technological Practice)	Industrial and pedagogical practice			3			3	3	108	108	108	108					3		93	Water resources and water use	
+	B2.O.04(Technological Practice)	Industrial and technological practice			24			24	24	864	864	864	864				12		12	93	Water resources and water use	
+	B2.O.05(Externship)	Industrial externship practice			4			18	18	648	648	648	648						18	93	Water resources and water use	
									54	54	1944	1944	1944	1944		3	15	6	30			
									54	54	1944	1944	1944	1944		3	15	6	30			
<b>Box 3. State final attestation</b>																						
+	B3.01	Defense of thesis (final qualifying project)						6	6	216	216					216				6	93	Water resources and water use
									6	6	216	216				216				6		
									6	6	216	216				216				6		
<b>OC. Optional courses</b>																						
+	OC.01	Speaking workshop in a foreign language (English)		2				2	2	72	72	30.6	30.6	41.4			2					
+	OC.02	Speaking workshop in a foreign language (German)		2				2	2	72	72	30.6	30.6	41.4			2					
									4	4	144	144	61.2	61.2	82.8			4				
									4	4	144	144	61.2	61.2	82.8			4				