

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	Expert	Fact	Expert	According to plan	Auditorium hours	AUD.	Solo work	Rewiew work	1st year number of credits	2nd year number of credits	3rd year number of credits	4th year number of credits	Code	Name	
Box 1. Discipline (modules)																						
Mandatory part																						
+	B1.O.01	Philosophy and methodology of scientific research	1					3	3	108	108	46.8	30	28	33.2	3				72	Philosophy and cultural studies	
+	B1.O.02	Professional foreign language		1				2	2	72	72	32.6	30	39.4		2				73	Foreign languages	
+	B1.O.03	Human resource management		2				2	2	72	72	44.6	30	27.4			2			69	Human resource management in industries and complexes	
+	B1.O.04	Information technologies in professional activity		1	2			4	4	144	144	65.2	60	78.8		2	2			41	Shipbuilding	
+	B1.O.05	Business and scientific communication in a foreign language		2				2	2	72	72	32.6	30	39.4			2			73	Foreign languages	
+	B1.O.06	Modeling of processes of creation and operation of marine equipment	2	1				5	5	180	180	67.4	60	79.4	33.2	2	3			41	Shipbuilding	
+	B1.O.07	Intellectual property right		1				2	2	72	72	32.6	30	39.4		2				75	Social sciences, pedagogy and law	
+	B1.O.08	Theory of elasticity and plasticity	1					3	3	108	108	50.8	46	24	33.2	3				41	Shipbuilding	
+	B1.O.09	Product quality control	3					3	3	108	108	48.8	40	26	33.2			3		41	Shipbuilding	
+	B1.O.10	Modern methods of solving problems in hydrodynamics		1				2	2	72	72	32.6	30	39.4		2				41	Shipbuilding	
+	B1.O.11	Basics of professional disciplines teaching		3				2	2	72	72	44.6	40	27.4				2		41	Shipbuilding	
+	B1.O.12	Research methods in a life cycle of marine equipment	1				1	5	5	180	180	67.8	60	79	33.2	5				41	Shipbuilding	
							35	35	1260	1260	566.4	486	527.6	166	21	9	5					
The part formed by the participants of educational relations																						
+	B1.O.01	Elective modules	2233	22333		223		25	25	900	900	384.2	332	383	132.8		12	13				
+	B1.O.01.01	Elective module 1. The design of civil fleet ships	2233	22333		223		25	25	900	900	384.2	332	383	132.8		12	13				
+	B1.O.01.01.01	Mathematical methods of computer-aided design		2				2	2	72	72	32.6	30	39.4		2				41	Shipbuilding	
+	B1.O.01.01.02	Computer-aided ship design	2			2		4	4	144	144	54.8	46	56	33.2		4			41	Shipbuilding	
+	B1.O.01.01.03	Design and construction of special-purpose vessels		2				2	2	72	72	44.6	40	27.4		2				41	Shipbuilding	
+	B1.O.01.01.04	Special issues of engine design	3			3		4	4	144	144	54.8	46	56	33.2			4		41	Shipbuilding	
+	B1.O.01.01.05	Regulation of stability and buoyancy of ships	3					3	3	108	108	48.8	40	26	33.2			3		41	Shipbuilding	
+	B1.O.01.01.01.01	Optional disciplines (modules) 1 (OD.1)		3				2	2	72	72	32.6	30	39.4				2				
+	B1.O.01.01.01.01.01	Methods of the theory of dimensions and similarity theory in mechanics		3				2	2	72	72	32.6	30	39.4				2		41	Shipbuilding	
-	B1.O.01.01.01.01.02	Finite element method in engineering calculations		3				2	2	72	72	32.6	30	39.4				2		41	Shipbuilding	
+	B1.O.01.01.01.02	Optional disciplines (modules) 2 (OD.2)	2			2		4	4	144	144	50.8	40	60	33.2		4					
+	B1.O.01.01.01.02.01	Ensuring seaworthiness in the design of marine equipment	2			2		4	4	144	144	50.8	40	60	33.2		4			41	Shipbuilding	
-	B1.O.01.01.01.02.02	Ensuring vibration standards in the creation and operation of marine equipment	2			2		4	4	144	144	50.8	40	60	33.2		4			41	Shipbuilding	
+	B1.O.01.01.01.03	Optional disciplines (modules) 3 (OD.3)		3				2	2	72	72	32.6	30	39.4				2				
+	B1.O.01.01.01.03.01	Design and construction of fiberglass vessels		3				2	2	72	72	32.6	30	39.4				2		41	Shipbuilding	
-	B1.O.01.01.01.03.02	Design and construction of high-speed vessels		3				2	2	72	72	32.6	30	39.4				2		41	Shipbuilding	
+	B1.O.01.01.01.04	Optional disciplines (modules) 4 (OD.4)		3				2	2	72	72	32.6	30	39.4				2				
+	B1.O.01.01.01.04.01	Design study of fishing vessels		3				2	2	72	72	32.6	30	39.4				2		41	Shipbuilding	
-	B1.O.01.01.01.04.02	Design and construction of multi-hulled vessels		3				2	2	72	72	32.6	30	39.4				2		41	Shipbuilding	
-	B1.O.01.02	Elective module 2. Ship construction technology design	2233	2233		223		23	23	828	828	351.6	302	343.6	132.8		12	11				
-	B1.O.01.02.01	Automated systems of technological preparation of production		2				2	2	72	72	32.6	30	39.4			2			41	Shipbuilding	
-	B1.O.01.02.02	Design of technological processes in marine equipment manufacturing	2			2		4	4	144	144	54.8	46	56	33.2		4			41	Shipbuilding	
-	B1.O.01.02.03	Improvement of technological processes and welding methods in the production of marine equipment		2				2	2	72	72	44.6	40	27.4			2			41	Shipbuilding	
-	B1.O.01.02.04	Improving the efficiency of power-driven lines and sections for manufacture of hull structures	3			3		4	4	144	144	54.8	46	56	33.2			4		41	Shipbuilding	
-	B1.O.01.02.05	Ensuring vibration standards in the creation and operation of marine equipment	3					3	3	108	108	48.8	40	26	33.2			3		41	Shipbuilding	
-	B1.O.01.02.00.01	Optional disciplines 2.1 (OD.1)		3				2	2	72	72	32.6	30	39.4				2				
-	B1.O.01.02.00.01.01	Finite element method in engineering calculations		3				2	2	72	72	32.6	30	39.4				2		41	Shipbuilding	
-	B1.O.01.02.00.01.02	Methods of the theory of dimensions and similarity theory in mechanics		3				2	2	72	72	32.6	30	39.4				2		41	Shipbuilding	
-	B1.O.01.02.00.02	Optional disciplines 2 (OD.2)	2			2		4	4	144	144	50.8	40	60	33.2		4					
-	B1.O.01.02.00.02.01	Design of technological processes in repair and renovation of marine equipment	2			2		4	4	144	144	50.8	40	60	33.2		4			41	Shipbuilding	
-	B1.O.01.02.00.02.02	The operational strength of fishing vessels hulls	2			2		4	4	144	144	50.8	40	60	33.2		4			41	Shipbuilding	
-	B1.O.01.02.00.03	Optional disciplines 3 (OD.3)		3				2	2	72	72	32.6	30	39.4				2				
-	B1.O.01.02.00.03.01	Modular construction of ships design and technological support		3				2	2	72	72	32.6	30	39.4				2		41	Shipbuilding	
-	B1.O.01.02.00.03.02	Design and technological support of dimensional modernization of vessels		3				2	2	72	72	32.6	30	39.4				2		41	Shipbuilding	
-	B1.O.01.02.00.04	Optional disciplines 4 (OD.4)																				
-	B1.O.01.02.00.04.01	Thermal processes in metal processing		3				2	2	72	72	32.6	30	39.4				2		41	Shipbuilding	
-	B1.O.01.02.00.04.02	Technological processes design in production of fiberglass vessels		3				2	2	72	72	32.6	30	39.4				2		41	Shipbuilding	
							25	25	900	900	384.2	332	383	132.8		12	13					
							60	60	2160	2160	950.6	818	910.6	298.8	21	21	18					
Box 2. Practice																						
The part formed by the participants of educational relations																						
+	B2.V.01	Study practice			1			3	3	108	108	108				3						
+	B2.V.01.01(Study practice)	Study practice for obtaining primary professional skills and abilities			1			3	3	108	108	108				3				41	Shipbuilding	
+	B2.V.02	Industrial placement			22334			51	51	1836	1836	1836					15	6	30			
+	B2.B.02.01(Scientific research-SR)	Industrial placement and research work			23			6	6	216	216	216					3	3		41	Shipbuilding	
+	B2.V.02.02(Technological Practice)	Industrial and technological practice			24			24	24	864	864	864					12		12	41	Shipbuilding	
+	B2.V.02.03(Technological Practice)	Industrial and pedagogical practice			3			3	3	108	108	108						3		41	Shipbuilding	
+	B2.V.02.04(Externship)	Industrial externship practice			4			18	18	648	648	648							18	41	Shipbuilding	
							54	54	1944	1944	1944				3	15	6	30				
							54	54	1944	1944	1944				3	15	6	30				
Box 3.State final attestation																						

+	B3.01	Writing and defence of final qualifying project (thesis)					6	6	216	216				216			6	41	Shipbuilding	
							6	6	216	216				216			6			
							6	6	216	216				216			6			
OC.Optional courses																				
+	OC.01	Speaking workshop in a foreign language (English)		2			2	2	72	72	30	30	42			2				
+	OC.02	Speaking workshop in a foreign language (German)		2			2	2	72	72	30	30	42			2				
							4	4	144	144	60	60	84			4				
							4	4	144	144	60	60	84			4				