

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
PT 10	Engines, Fuel and Lubricating Materials	4		C	6,0	180,0	64,0	32,0	16,0	16,0	116,0							4,0	6,0									152	
PT 11	Strength of Materials	5		C	5,0	150,0	80,0	32,0	16,0	32,0	70,0									5,0	5,0							166	
PT 12	Interchangeability, Standardization and Technical Measurements in Mechanical Engineering	5		C	4,0	120,0	64,0	32,0	16,0	16,0	56,0									4,0	4,0							147	
PT 13	Automated design systems by motor transport	5		CG	6,0	180,0	64,0	16,0	48,0		116,0									4,0	6,0							152	
PT 14	Machine Parts		6	CG	4,0	120,0	48,0	36,0	12,0		72,0											4,0	4,0					148	
PT 15	Technology of Construction Materials		6		3,0	90,0	24,0	12,0	12,0		66,0											2,0	3,0					145	
PT 16	Electrical Engineering, Electronics and Microprocessor Technology	6		C	3,0	90,0	36,0	24,0	12,0		54,0											3,0	3,0					136	
PT 17	Fundamentals of Occupational Safety and Health	7		C	3,0	90,0	32,0	16,0	16,0		58,0													2,0	3,0			144	
PT 18	Enterprise Economy		7		3,0	90,0	32,0	16,0		16,0	58,0													2,0	3,0			202	
PT 19	Applied Materials		7		4,0	120,0	48,0	32,0	16,0		72,0													3,0	4,0			143	
2	Practical Preparation				12,0	360,0					360,0											6,0					6,0		
PP 1	Practical Training*				6,0	180,0					180,0												6,0					152	
PP 2	Pre-graduation Practice*				6,0	180,0					180,0																6,0	152	
3	Attestation*				6,0	180,0					180,0																6,0		
4	Optional educational components				62,0	1860,0	698,0	156,0	74,0	112,0	1162,0								4,0	6,0	7,0	10,0	12,0	12,0	13,0	18,0	17,0	16,0	
4.1	Profile training				30,0	900,0	342,0	156,0	74,0	112,0	558,0								4,0	6,0	4,0	6,0	5,0	4,0	4,0	6,0	9,0	8,0	
4.1.1	Profiled discipline package 01 "Operation, diagnostics and repair of cars"				30,0	900,0	342,0	156,0	74,0	112,0	558,0								4,0	6,0	4,0	6,0	5,0	4,0	4,0	6,0	9,0	8,0	
OP 1.1	Applied methods of calculations on motor transport		4	C	6,0	180,0	64,0	16,0	32,0	16,0	116,0								4,0	6,0									152
OP 1.2	Technological Basis of Engineering		5	CG	6,0	180,0	64,0	32,0		32,0	116,0										4,0	6,0							152
OP 1.3	Fundamentals of Operation and Maintenance of Car at Service Stations	6		C	4,0	120,0	60,0	36,0		24,0	60,0											5,0	4,0						152
OP 1.4	Electrical and Electronic Equipment of Car and Diagnostics Basis		7	C	6,0	180,0	64,0	32,0	32,0		116,0													4,0	6,0				152
OP 1.5	Theory and bases of cars design	8		C	4,0	120,0	50,0	20,0		30,0	70,0															5,0	4,0		152
OP 1.6	Diagnosis of Modern Car Systems	8		C	4,0	120,0	40,0	20,0	10,0	10,0	80,0															4,0	4,0		152
4.1.2	Profiled discipline package 02 "Management of the motor transport enterprise"				30,0	900,0	342,0	156,0	74,0	112,0	558,0								4,0	6,0	4,0	6,0	5,0	4,0	4,0	6,0	9,0	8,0	
OP 2.1	Numerical methods of calculation		4	C	6,0	180,0	64,0	16,0	32,0	16,0	116,0								4,0	6,0									152
OP 2.2	Organization of socio-economic system in the car business		5	C	6,0	180,0	64,0	32,0		32,0	116,0										4,0	6,0							152
OP 2.3	Technological Planning of Service Stations		6	CG	4,0	120,0	60,0	36,0		24,0	60,0											5,0	4,0						152
OP 2.4	Technological Processes for Road Transport	7		C	6,0	180,0	64,0	32,0	32,0		116,0													4,0	6,0				152
OP 2.5	Calculation-Theoretical Substantiation of Constructions of Cars Systems and Units	8		C	4,0	120,0	50,0	20,0		30,0	70,0															5,0	4,0		152
OP 2.6	Fundamentals of Technological Processes of Automobile Transport Production Organization	8		C	4,0	120,0	40,0	20,0	10,0	10,0	80,0															4,0	4,0		152
4.2	Optional student disciplines of the profile preparation according to the list				20,0	600,0	224,0				376,0											4,0	4,0	6,0	8,0	8,0	8,0		
4.3	Optional student disciplines from the general university catalog of disciplines				12,0	360,0	132,0				228,0										3,0	4,0	3,0	4,0	3,0	4,0			
OD 1	Discipline 1		5		4,0	120,0	48,0				72,0											3,0	4,0						
OD 2	Discipline 2		6		4,0	120,0	36,0				84,0												3,0	4,0					

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
OD 3	Discipline 3		7		4,0	120,0	48,0				72,0													3,0	4,0			
	Total for education period				240,0	7200,0	2834,0				4366,0	27,0	30,0	27,0	30,0	24,0	30,0	23,0	30,0	25,0	30,0	23,0	30,0	22,0	30,0	19,0	30,0	
	Hours per week											27,0	30,0	27,0	30,0	24,0	30,0	23,0	30,0	25,0	30,0	23,0	30,0	22,0	30,0	19,0	30,0	
	Number of exams											4	5	6	4	4	2	5	2									
	Number of tests											4	4	1	3	3	4	1	1									
	Number of course projects (works)																1											
	Numbers of disciplines per semester											8	9	7	7	7	6	6	3									

Individual tasks	
C	Calculated task
CG	Calculated and graphic task
R	Report
CP	Course project
CW	Course work

Approved by the Academic Council of NTU "KhPI"
Protocol № 5 from 02.06.2023

Vice-rector of Scientific-and-Pedagogical Work _____ **Gennadiy KHRYPUNOV**
signature full name

Head of the educational program Motor vehicles and motor car industry _____ **Andrii KOZHUSHKO**
signature full name

Director of the Educational-scientific Institute of Mechanical Engineering and Transport _____ **Vitalii IEPIFANOV**
name of the Institute signature full name

Head of the Department of Car and Tractor Industry _____ **Oleksii REBROV**
name of department signature full name

* Практики та атестацію проводять випускові кафедри

List of optional student disciplines of the profile training

Code in accordance with the EPP	Name of academic discipline	Semester distribution			Number of ECTS credits	Number of hours						Distribution of classroom hours per a week and ECTS credits per a semester																Department	
		Exams	Tests	Individual tasks		Total amount	Classroom			Independent work	I course				II course				III course				IV course						
							Total	including			Semesters																		
		Lectures	Laboratory works	Practical studies		1		2		3		4		5		6		7		8									
						Number of weeks in the semester																							
		20		20		20		20		20		20		20		20		20		20									
Classroom hours	ECTS credits	Classroom hours	ECTS credits	Classroom hours	ECTS credits	Classroom hours	ECTS credits	Classroom hours	ECTS credits	Classroom hours	ECTS credits	Classroom hours	ECTS credits	Classroom hours	ECTS credits	Classroom hours	ECTS credits	Classroom hours	ECTS credits	Classroom hours	ECTS credits								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
4.2	Optional student disciplines of the profile training																												
OPT 1	Modern Gas Stations and Charging Terminals	6		C	4,0	120,0	48,0	24,0	24,0		72,0												4,0	4,0					152
OPT 2	Stepless Transmissions - the Basis of Analysis	6		C	4,0	120,0	48,0	24,0		24,0	72,0												4,0	4,0					152
OPT 3	Modern CAD-systems on motor transport	6			4,0	120,0	48,0	12,0		36,0	72,0											4,0	4,0					152	
OPT 4	Production Technology and Car Repair	7		CP	4,0	120,0	48,0	16,0		32,0	72,0													3,0	4,0			152	
OPT 5	Principles of Manufacturability in Car Mechanics	7			4,0	120,0	48,0	16,0		32,0	72,0													3,0	4,0			152	
OPT 6	Theory of transport processes	7			4,0	120,0	48,0	16,0		32,0	72,0													3,0	4,0			152	
OPT 7	Production Systems on Vehicle and Repair Technology	7		CP	4,0	120,0	48,0	16,0		32,0	72,0													3,0	4,0			152	
OPT 8	Planning of Automobile Operating Enterprises	7		CG	4,0	120,0	48,0	16,0		32,0	72,0													3,0	4,0			152	
OPT 9	Specialized Rolling Stock on motor transport	7			4,0	120,0	48,0	16,0		32,0	72,0													3,0	4,0			152	
OPT 10	Basic Theory of Optimization on motor transport	8		C	4,0	120,0	40,0	20,0		20,0	80,0															4,0	4,0	152	
OPT 11	Fundamentals of Structural and Parametric Synthesis in Systems of Transport Machines	8		C	4,0	120,0	40,0	20,0		20,0	80,0															4,0	4,0	152	
OPT 12	Modelling Technical Systems Methods	8			4,0	120,0	40,0	20,0		20,0	80,0															4,0	4,0	152	
OPT 13	Modern Mechatronic Systems on Automobile Transport	8		C	4,0	120,0	40,0	20,0		20,0	80,0															4,0	4,0	152	
OPT 14	Simulation Modelling at the Enterprise	8			4,0	120,0	40,0	20,0		20,0	80,0															4,0	4,0	152	
OPT 15	Mechanical Oscillations in Automobile Systems	8			4,0	120,0	40,0	20,0		20,0	80,0															4,0	4,0	152	