



CURRICULUM

Professional orientation: **Transport, Navigation and Aviation**

Program: **Repairing and Maintenance of Transport Vehicles**

Professional qualification: **Specialist in the Repairing and Exploitation of the Transport Means**

Educational and qualificational degree: **Professional Bachelor**

Form of study: **Full - Time**

Term of study: **3 years / 6 semesters**

No	Subject Name	Types of term control				Semester auditorium load					Unsupervised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mathematics, part 1	1				15	45			60	105	165	6
2	Chemistry	1				30		30		60	75	135	5
3	Applied Geometry and Engineering Graphics, part 1				1	30		30		60	60	120	4
4	Informatics		1			15		30	15	60	60	120	4
5	Material Science and Technology, part 1	1				30		30		60	75	135	5
6	English				1		45			45	45	90	3
7	Elective Subject				1						30	30	1
7a	Specialized Sport Activities, part 1				1						30	30	1
7b	Sport and Social Adaptation, part 1				1						30	30	1
8	Practical Training, part 1				1						60	60	2
Total for the 1 semester:		3	1		4	120	90	120	15	345	510	855	30
9	Mathematics, part 2	2				30	30			60	75	135	5
10	Physics	2				30		30		60	75	135	5
11	Material Science and Technology, part 2	2				30		30		60	75	135	5
12	Applied Geometry and Engineering Graphics, part 2		2					30	15	45	75	120	4
13	Theoretical Mechanics	2				30	30			60	75	135	5
14	Interchangeability and Technical Measurements		2			30		30		60	75	135	5
15	Elective Subject				2						30	30	1
15a	Specialized Sport Activities, part 2				2						30	30	1
15b	Sport and Social Adaptation, part 2				2						30	30	1
16	Practical Training, part 2				2						60	60	2
Total for the 2 semester:		4	2		2	150	60	120	15	345	540	885	32
17	Machine Elements	3				30		30		60	105	165	6
18	Theory of Mechanisms and Machines	3				30	15			45	120	165	6
19	Strength of Materials	3				30		15		45	90	135	5
20	Fluid Mechanics		3			30		30		60	75	135	5
21	Thermodynamics and Heat Transfer		3			30		30		60	60	120	4
22	Internal Combustion Engine	3				30		30		60	75	135	5
23	Elective Subject				3						30	30	1

No	Subject Name	Types of term control				Semester auditorium load					Unsuper vised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
23a	Specialized Sport Activities, part 3				3						30	30	1
23b	Sports Management, part 1				3						30	30	1
24	Practical Training, part 3				3						60	60	2
Total for the 3 semester:		4	2		2	180	15	135		330	615	945	34
25	Exploitation Materials	4				30		15		45	120	165	6
26	Handling and Lifting Equipment		4			30		30		60	105	165	6
27	Elective Subject	4				30		15	15	60	105	165	6
27a	Transport Technology and Management	4				30		15	15	60	105	165	6
27b	Technical Exploitation of Transport Equipment	4				30		15	15	60	105	165	6
28	Automotive Engineering Fundamentals	4				30		30		60	105	165	6
29	Fuel Systems and Management of Internal Combustion Engines	4				30		30		60	105	165	6
30	Elective Subject				4						30	30	1
30a	Specialized Sport Activities, part 4				4						30	30	1
30b	Sports Management, part 2				4						30	30	1
31	Practical Training, part 4				4						60	60	2
Total for the 4 semester:		4	1		2	150		120	15	285	630	915	33
32	Technical Safety		5			15		15		30	90	120	4
33	Elective Subject	5				30		30		60	105	165	6
33a	Combined and Alternative Engines	5				30		30		60	105	165	6
33b	Hybrid Drives	5				30		30		60	105	165	6
34	Design of Transport Vehicles	5				30		30		60	105	165	6
35	Design of Transport Vehicles, project			5					30	30	30	60	2
36	Electrical Engineering and Electronics		5			30		30		60	105	165	6
37	Economics	5				30	15			45	75	120	4
38	Practical Training, part 5				5						60	60	2
Total for the 5 semester:		3	2	1	1	135	15	105	30	285	570	855	30
39	Elective Subject		6			30		30		60	105	165	6
39a	Road Safety		6			30		30		60	105	165	6
39b	Vehicle Accident Reconstruction		6			30		30		60	105	165	6
40	Electronic Systems	6				30		30		60	75	135	5
41	Elective Subject	6				30		30		60	105	165	6
41a	Technology of Repair of Transport Equipment	6				30		30		60	105	165	6
41b	Service of Transport Vehicles	6				30		30		60	105	165	6
42	Diagnostics of Internal Combustion Engines	6				30		30		60	105	165	6
43	Specialized Practice				6						120	120	4
Total for the 6 semester:		3	1		1	120		120		240	510	750	27
Total for all courses of education:		21	9	1	12	855	180	720	75	1830	3375	5205	186

Facultative subjects

No	Subject Name	Types of term control				Semester auditorium load incl:					Unsuper-vised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Types of graduation	Semester	Unsupervised load	ECTS credits
Preparation of Diploma Thesis / Preparation for State Examination	6	300	10
Defence of Diploma Thesis / State Examination	6		

Accepted from AU with

Protocol No 10 / 25.04.2016

Modified with Protocols No 11 / 06.06.2016

Valid from the 2016 / 2017 academic year.

The weekly allocation of the classes is fixed according to the "Structure of the Learning Process" Academic Board adopted for the current academic year.

Head of Department TET:

/ Assoc. Prof. PhD Ivanov Z. /

Dean of Faculty FMET:

/ Assoc. Prof. PhD Antonov G. /