

# "Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Automotive Engineering

Degree: Bachelor

Mode of study: Part time

Duration of study: 4.0 years

No	Code	Course	Total contact hours (Hours of lectures and seminars)	ECTS credits
<i>Compulsory courses</i>				
1	811	Mathematics part I	38	7
2	1207	Chemistry	23	4
3	715	Foreign Language - English, German, French, Russian	45	6
4	702	Economics	30	4
5	1201	Material Science and Technology	45	8
6	812	Mathematics part II	38	7
7	1114	Physics	45	7
8	821	Informatics	45	6
9	1011	Applied Geometry and Engineering Drawing I	23	3
10	906	Theoretical Mechanics part I	30	6
11	813	Mathematics part III	30	6
12	907	Theoretical Mechanics part II	30	6
13	1012	Applied Geometry and Engineering Drawing II	23	3
14	902	Strength of Materials	53	7
14	1223	Thermal Treatment	3	0
14	1221	Casting	3	0
14	1224	Locksmith	3	0
14	1225	Turnery	3	0
15	278	Heat Transfer Equipment	30	5
16	1002	Computer Drawing for Engineers	23	3
17	903	Theory of Mechanisms and Machines	30	5
18	1116	Electrical Engineering and Electronics	45	6
19	1013	Metrology and Measurement Equipment	30	4
20	908	Fluid Mechanics	30	5
21	1008	Machine Elements	53	8
22	1009	Machine Elements - make a project	0	2
23	1205	Mechanical Engineering Technologies	38	5
24	600	Internal Combustion Engines	53	8
25	699	Internal Combustion Engines - make a project	0	2
26	690	Hydraulic and Pneumatic Drives and Equipment	30	5
27	1341	Electrical Machines, Apparatuses and Drive	23	4
28	287	Vehicles Safety. Road Accidents Investigation and Analysis	38	5
29	288	Automotive Engineering part I	53	8
30	289	Project in Automotive Engineering I	0	2
31	290	Automotive Fuel Systems	38	5
32	1391	Automotive Electrical Equipment	38	5
33	279	Reliability of Vehicles	30	5
34	201	Technical Safety and Ecology	23	4

35	292	Automotive Engineering part II	53	9
36	293	Project in Automotive Engineering II	0	2
37	294	Automotive Testing and Diagnostics	45	8
38	346	Transport Infrastructure	23	5
39	1212	Car Exploitation Materials	38	5
40	295	Automotive Repairing and Operation	45	6
41	703	Economic History	23	3
	1222	Welding	3	0
<i>Elective courses</i>				
43.1	210	Automotive Electronics	38	6
43.2	298	Automotive Break Systems	38	6
44.1	692	Material Handling Equipment	30	4
44.2	296	Railway Equipment	30	4
<i>Optional courses</i>				
45.1	297	Special Cars, Off-road Vehicles and Motorcycles	38	5
45.2	189	Road Transport Technology and Organization	38	5
46	718	Specialized Course in a Foreign Language	30	5