

# "Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Automotive Engineering

Degree: Bachelor

Mode of study: Full 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	872	Mathematics	75	7
2	1207	Chemistry	45	6
3	715	Foreign Language - English, German, French, Russian	75	6
4	702	Economics	45	5
5	1201	Material Science and Technology	60	6
6	882	Applied Mathematics	75	7
7	1125	Physics	45	6
8	821	Informatics	60	6
9	906	Theoretical Mechanics part I	60	6
10	1011	Applied Geometry and Engineering Drawing I	45	5
11	1012	Applied Geometry and Engineering Drawing II	45	5
12	907	Theoretical Mechanics part II	60	5
13	902	Strength of Materials	75	5
14	278	Heat Transfer Equipment	45	5
15	1002	Computer Drawing for Engineers	45	5
16	1224	Locksmith	6	1
16	1225	Turnery	6	1
16	1223	Thermal Treatment	6	1
16	1222	Welding	6	1
16	1221	Casting	6	1
17	903	Theory of Mechanisms and Machines	60	5
18	1116	Electrical Engineering and Electronics	60	6
19	1013	Metrology and Measurement Equipment	45	4
20	908	Fluid Mechanics	45	5
21	1008	Machine Elements	75	8
22	1009	Machine Elements - make a project	0	2
23	1205	Mechanical Engineering Technologies	45	5
24	600	Internal Combustion Engines	75	8
25	699	Internal Combustion Engines - make a project	0	2
26	690	Hydraulic and Pneumatic Drives and Equipment	45	5
27	1341	Electrical Machines, Apparatuses and Drive	45	5
28	201	Technical Safety and Ecology	45	5
29	2202	Car theory	75	7
30	2203	Theory of the car - course project I part	0	3
31	290	Automotive Fuel Systems	60	5
32	1391	Automotive Electrical Equipment	45	5
33	279	Reliability of Vehicles	45	4
34	2204	Car construction	75	7

35	2205	Construction of the car - course project part II	0	2
36	294	Automotive Testing and Diagnostics	75	6
37	346	Transport Infrastructure	45	5
38	1212	Car Exploitation Materials	60	4
39	295	Automotive Repairing and Operation	75	6
40	703	Economic History	45	4
42	719	Physical Education and Sports	0	0
<i>Elective courses</i>				
43.1	287	Vehicles Safety. Road Accidents Investigation and Analysis	45	5
43.2	2207	Environmental safety of the car	45	5
44.1	210	Automotive Electronics	45	5
44.2	298	Automotive Break Systems	45	5
45.1	231	Trucks and buses	45	5
45.2	297	Special Cars, Off-road Vehicles and Motorcycles	45	5
45.3	692	Material Handling Equipment	45	5
46.1	243	Alternative car propulsion	45	3
46.2	249	Innovative technologies in the car	45	3
47.1	739	Specialized English language course	45	3
47.2	738	Specialized German language course	45	3
47.3	740	Specialized course in Russian	45	3
<i>Optional courses</i>				
48	268	Concepts in the automotive industry	45	5
49	189	Road Transport Technology and Organization	60	5