

# "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	872	Mathematics	38	7
2	1207	Chemistry	23	6
3	715	Foreign Language - English, German, French, Russian	38	6
4	702	Economics	23	5
5	1201	Material Science and Technology	30	6
6	882	Applied Mathematics	38	7
7	1125	Physics	23	6
8	821	Informatics	30	6
9	906	Theoretical Mechanics part I	30	6
10	1011	Applied Geometry and Engineering Drawing I	23	5
11	1012	Applied Geometry and Engineering Drawing II	23	5
12	907	Theoretical Mechanics part II	30	5
13	902	Strength of Materials	38	5
14	278	Heat Transfer Equipment	23	5
15	1002	Computer Drawing for Engineers	23	5
16	1224	Locksmith	3	1
16	1225	Turnery	3	1
16	1223	Thermal Treatment	3	1
16	1222	Welding	3	1
16	1221	Casting	3	1
17	903	Theory of Mechanisms and Machines	30	5
18	1116	Electrical Engineering and Electronics	30	6
19	1013	Metrology and Measurement Equipment	23	4
20	908	Fluid Mechanics	23	5
21	1008	Machine Elements	38	8
22	1009	Machine Elements - make a project	0	2
23	1205	Mechanical Engineering Technologies	23	5
24	600	Internal Combustion Engines	38	8
25	699	Internal Combustion Engines - make a project	0	2
26	690	Hydraulic and Pneumatic Drives and Equipment	23	5
27	1341	Electrical Machines, Apparatuses and Drive	23	5
28	201	Technical Safety and Ecology	23	5
29	2202	Car theory	38	7
30	2203	Theory of the car - course project I part	0	3
31	290	Automotive Fuel Systems	30	5
32	1391	Automotive Electrical Equipment	23	5
33	279	Reliability of Vehicles	23	4
34	2204	Car construction	38	7

35	2205	Construction of the car - course project part II	0	2
36	294	Automotive Testing and Diagnostics	38	6
37	346	Transport Infrastructure	23	5
38	1212	Car Exploitation Materials	30	4
39	295	Automotive Repairing and Operation	38	6
40	703	Economic History	23	4
<i>Elective courses</i>				
42.1	287	Vehicles Safety. Road Accidents Investigation and Analysis	23	5
42.2	2207	Environmental safety of the car	23	5
43.1	210	Automotive Electronics	23	5
43.2	298	Automotive Break Systems	23	5
44.1	231	Trucks and buses	23	5
44.2	297	Special Cars, Off-road Vehicles and Motorcycles	23	5
44.3	692	Material Handling Equipment	23	5
45.1	243	Alternative car propulsion	23	3
45.2	249	Innovative technologies in the car	23	3
46.1	739	Specialized English language course	23	3
46.2	738	Specialized German language course	23	3
46.3	740	Specialized course in Russian	23	3
<i>Optional courses</i>				
47	268	Concepts in the automotive industry	23	5
48	189	Road Transport Technology and Organization	30	5