

"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	811	Mathematics part I	75	7
2	1207	Chemistry	45	4
3	715	Foreign Language - English, German, French, Russian	90	6
4	702	Economics	60	4
5	1201	Material Science and Technology	90	8
6	812	Mathematics part II	75	7
7	1114	Physics	90	7
8	821	Informatics	90	6
9	1011	Applied Geometry and Engineering Drawing I	45	3
10	906	Theoretical Mechanics part I	60	6
11	813	Mathematics part III	60	6
12	907	Theoretical Mechanics part II	60	6
13	1012	Applied Geometry and Engineering Drawing II	45	3
14	902	Strength of Materials	105	7
14	1222	Welding	6	0
14	1221	Casting	6	0
14	1223	Thermal Treatment	6	0
14	1224	Locksmith	6	0
14	1225	Turnery	6	0
15	278	Heat Transfer Equipment	60	5
16	1002	Computer Drawing for Engineers	45	3
17	903	Theory of Mechanisms and Machines	60	5
18	1116	Electrical Engineering and Electronics	90	6
19	1013	Metrology and Measurement Equipment	60	4
20	908	Fluid Mechanics	60	5
21	1008	Machine Elements	105	8
21	719	Physical Education and Sports	0	0
22	1009	Machine Elements - make a project	0	2
24	1205	Mechanical Engineering Technologies	75	5
25	600	Internal Combustion Engines	105	8
26	699	Internal Combustion Engines - make a project	0	2
27	690	Hydraulic and Pneumatic Drives and Equipment	60	5
28	1341	Electrical Machines, Apparatuses and Drive	45	4
29	287	Vehicles Safety. Road Accidents Investigation and Analysis	75	5
30	288	Automotive Engineering part I	105	8
31	289	Project in Automotive Engineering I	0	2
32	290	Automotive Fuel Systems	75	5
33	1391	Automotive Electrical Equipment	75	5

34	279	Reliability of Vehicles	60	5
35	201	Technical Safety and Ecology	45	4
36	292	Automotive Engineering part II	105	9
37	293	Project in Automotive Engineering II	0	2
38	294	Automotive Testing and Diagnostics	90	8
39	346	Transport Infrastructure	45	5
40	1212	Car Exploitation Materials	75	5
41	295	Automotive Repairing and Operation	90	6
42	703	Economic History	45	3
<i>Elective courses</i>				
43.1	210	Automotive Electronics	75	6
43.2	298	Automotive Break Systems	75	6
44.1	692	Material Handling Equipment	60	4
44.2	296	Railway Equipment	60	4
<i>Optional courses</i>				
45.1	297	Special Cars, Off-road Vehicles and Motorcycles	75	5
45.2	189	Road Transport Technology and Organization	75	5
46	718	Specialized Course in a Foreign Language	60	5