

TODOR KABLESHKOV UNIVERSITY OF TRANSPORT

FACULTY OF MACHINERY AND CONSTRUCTION TECHNOLOGIES IN TRANSPORT

Programme: **Automotive Engineering**

Degree: **Bachelor**

Professional Qualification: **Mechanical Engineer**

Mode of Study: **Full-time**

Duration of Study: **Four years**

№	Code	Subject	Duration	Contact Hours	ECTS Credits
1	2	3	4	5	6
		Compulsory			
1	811	Mathematics I	1S	75	7
2	1207	Chemistry	1S	45	4
3	715	Foreign Language	1S	90	6
4	702	Economics	1S	60	4
5	1201	Material Science and Technology	1S	105	9
6	812	Mathematics II	1S	75	7
7	1114	Physics	1S	90	7
8	821	Informatics	1S	90	7
9	1011	Applied Geometry and Engineering Drawing I	1S	45	3
10	906	Theoretical Mechanics I	1S	60	6
11	813	Mathematics III	1S	60	6
12	907	Theoretical Mechanics II	1S	60	6
13	1012	Applied Geometry and Engineering Drawing II	1S	45	3
14	902	Strength of Materials	1S	105	7
15	278	Heat Transfer Equipment	1S	60	5
16	1002	Computer Drawing for Engineers	1S	45	3
17	903	Theory of Mechanisms and Machines	1S	60	5
18	1116	Electrical Engineering and Electronics	1S	90	6
19	1013	Metrology and Measurement Equipment	1S	60	4
20	908	Fluid Mechanics	1S	60	5
21	1008	Machine Elements	1S	105	8
22	1009	Machine Elements Project	1S		2
23	1205	Mechanical Engineering Technologies	1S	75	5
24	207	Internal Combustion Engines	1S	105	8
25	208	Project in Internal Combustion Engines	1S		2
26	690	Hydraulic and Pneumatic Drives and Equipment	1S	60	5
27	1341	Electrical Machines, Apparatuses and Drive	1S	60	5
28	287	Vehicle Safety. Investigation and Analysis of Road Accidents	1S	75	5
29	288	Automotive Engineering I	1S	105	8
30	289	Project in Automotive Engineering I	1S		2
31	290	Automotive Fuel Systems	1S	75	5
32	1391	Electric Car Equipment	1S	75	6
33	279	Reliability of Vehicles	1S	60	5
34	201	Technical Safety and Ecology	1S	60	4
35	292	Automotive Engineering II	1S	105	9
36	293	Project in Automotive Engineering II	1S		2
37	294	Automotive Testing and Diagnostics	1S	90	8
38	346	Transport Infrastructure	1S	45	5
39	1212	Car Exploitation Materials	1S	75	7
40	295	Automotive Repairing and Operation	1S	105	12
41	703	Economic History	1S	45	3
42	719	Physical Education and Sports	4S	120	
		Elective			
43.1	210	Automotive Electronics	1S	75	6

43.2	298	Automotive Break Systems	1S	75	6
44.1	692	Material Handling Equipment	1S	75	8
44.2	296	Railway Equipment	1S	75	8
		Optional			
45.1	297	Special Cars, Off-road Vehicles and Motorcycles	1S	75	5
45.2	189	Road Transport Technology and Organization	1S	75	5
46	718	Specialized Course in a Foreign Language	1S	60	5
		Practical Training			
47		Practice in Material Processing	2W	60	2
48		Internship in Transport Company	2W	60	2
49		Internship in Mechanical Engineering Company	2W	60	2
		State Examination			10

S - Semester

W - Week