

# "Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Material Handling, Road and Construction Machinery

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	1225	Turnery	6	1
16	1224	Locksmith	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	908	Fluid Mechanics	45	5
20	1008	Machine Elements	75	8
21	1009	Machine Elements - make a project	0	2
22	1205	Mechanical Engineering Technologies	45	5
23	645	Mechanization and Automation of Material Handling Processes in Transport	60	5
24	600	Internal Combustion Engines	75	8
25	699	Internal Combustion Engines - make a project	0	2
26	627	Hydraulic and Pneumatic Drives of Material Handling and Construction Equipment	60	6
27	603	Technical Safety and Control of Material Handling and Construction Equipment	45	4
28	703	Economic History	45	4
29	640	Electric Drive of Material Handling and Construction Equipment	75	8
30	6655	Lifting and transport machines	75	8
31	6658	Lifting and transport machines - Course project	0	2

32	653	Machines and Systems for Continuous Transport	60	6
33	631	Building and Road Construction Machines	60	6
34	6660	Loading and unloading equipment	45	5
35	656	Technical Maintenance of Material Handling and Construction Equipment	60	6
36	662	Project in Building and Road Construction Machines	0	2
37	663	Railway Construction Equipment	60	6
38	665	Maintenance of Material Handling and Construction Equipment	75	8
39	6699	Educational and production practice in a repair company	0	0
40	719	Physical Education and Sports	0	0
<i>Elective courses</i>				
41.1	1013	Metrology and Measurement Equipment	45	4
41.2	1018	Interchangeability and standardization	45	4
42.1	346	Transport Infrastructure	45	4
42.2	675	Internal Factory Transport	45	4
43.1	620	Machines for Extraction and Processing of Construction Materials	60	4
43.2	668	Elevators and Cableways	60	4
44.1	248	Basic Machinery of Material Handling and Construction Equipment	60	5
44.2	676	Storage Processes and Systems	60	5
45.1	1212	Car Exploitation Materials	60	5
45.2	203	Environmental safety	60	5
<i>Optional courses</i>				
46	827	Mathematical processing programs	45	5
47	677	Computer-aided Design of Material Handling and Construction Equipment	60	5
48	718	Specialized Course in a Foreign Language	45	5
49	6688	Educational and production practice in a transport company	0	0