

"Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Engineering Logistics and Building Machines

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	105	9
6	812	Mathematics part II	75	7
7	1114	Physics	90	7
8	821	Informatics	90	7
9	703	Economic History	45	3
10	1001	Applied Geometry and Engineering Drawing	75	6
11	813	Mathematics part III	60	6
12	901	Theoretical Mechanics	105	8
13	1108	Electrical Engineering and Electronics	75	5
14	1007	Metrology and Measurement Equipment	45	5
15	641	Electric Drive and Automatic Control of Material Handling and Construction Equipment	90	6
16	902	Strength of Materials	105	8
17	204	Heat Transfer Equipment	75	6
18	903	Theory of Mechanisms and Machines	60	6
19	670	Control Systems of Material Handling and Construction Machines	90	6
20	904	mechatronic systems	45	4
21	1008	Machine Elements	105	8
22	1205	Mechanical Engineering Technologies	60	4
23	628	Technical Safety of Material Handling and Construction Equipment	45	3
24	653	Machines and Systems for Continuous Transport	75	6
25	627	Hydraulic and Pneumatic Drives of Material Handling and Construction Equipment	90	7
26	1009	Machine Elements - make a project	0	2
27	655	Industrial Logistics: Material Handling Machines, Processes and Systems	105	7
28	656	Technical Maintenance of Material Handling and Construction Equipment	75	5
29	248	Basic Machinery of Material Handling and Construction Equipment	60	5
30	657	Civil Engineering Machines and Systems	90	6
31	147	Transport and Logistics	45	4
32	658	Industrial Logistics: Material Handling Machines, Processes and Systems Project	0	3
33	631	Building and Road Construction Machines	90	7

34	660	Industrial Logistics: Loading/Unloading Equipment	75	6
35	661	Information and Control Systems of Material Handling and Construction Equipment	75	6
36	346	Transport Infrastructure	45	3
37	662	Project in Building and Road Construction Machines	0	2
38	663	Railway Construction Equipment	90	8
39	664	Material Handling Manipulators and Robots	75	7
40	665	Maintenance of Material Handling and Construction Equipment	60	6
41	666	Railway Construction Equipment - make a project	0	2
42	719	Physical Education and Sports	0	0
<i>Elective courses</i>				
43.1	645	Mechanization and Automation of Material Handling Processes in Transport	90	6
43.2	647	Material Handling Processes and Systems in Transport	90	6
44.1	675	Internal Factory Transport	75	7
44.2	676	Storage Processes and Systems	75	7
<i>Optional courses</i>				
677	677	Computer-aided Design of Material Handling and Construction Equipment	75	5