

"Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Management of Technical Systems for Ecology and Logistics

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
15	278	Heat Transfer Equipment	60	5
16	601	Ecology and Fundamentals of Logistic and Ecological Equipment	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
22	1009	Machine Elements - make a project	0	2
23	1205	Mechanical Engineering Technologies	75	5
24	248	Basic Machinery of Material Handling and Construction Equipment	60	5
25	627	Hydraulic and Pneumatic Drives of Material Handling and Construction Equipment	90	8
26	613	Management and Control of Logistics and Ecological Equipment	90	7
27	655	Industrial Logistics: Material Handling Machines, Processes and Systems	105	9
28	658	Industrial Logistics: Material Handling Machines, Processes and Systems Project	0	4
29	640	Electric Drive of Material Handling and Construction Equipment	75	7
30	617	Loading/Unloading and Storage Processes When Dealing with Dangerous Goods	45	5
31	703	Economic History	45	3
32	607	Machines and Systems for Waste Processing	60	5
33	612	Hydro and Electric Systems Maintenance	60	5

34	614	Industrial Logistics- Logistic Processes and Systems	60	5
35	656	Technical Maintenance of Material Handling and Construction Equipment	75	5
36	609	Maintenance and Repair of Logistic and Ecological Equipment	75	6
37	615	Technical Systems for Utilization of Renewable Energy	45	3
38	616	Computer-aided Control of Technical Systems for Ecology and Logistics	45	4
39	603	Technical Safety and Control of Material Handling and Construction Equipment	45	5
	1225	Turnery	6	0
	1224	Locksmith	6	0
	1223	Thermal Treatment	6	0
	1222	Welding	6	0
	719	Physical Education and Sports	0	0
	1221	Casting	6	0
<i>Elective courses</i>				
41.1	618	Engineering and Ecological Legislation	60	5
41.2	619	Infrastructure of Technical Systems for Ecology and Logistics	60	5
42.1	1451	Investment Project Management	75	5
42.2	653	Machines and Systems for Continuous Transport	75	5
43.1	606	Packaging Equipment, Palletizing and Conternization	45	5
43.2	608	Management of Warehouses	45	5
<i>Optional courses</i>				
44	621	Heat Ecological Systems	75	5
45	677	Computer-aided Design of Material Handling and Construction Equipment	60	4
46	671	Automated Control, Control Systems of Material Handling and Construction Machines	75	5