

"Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Lifting and transport and construction machines

Degree: Master's Degree for Graduates with Professional Bachelor Degree

Mode of study: Part time

Duration of study: 2.5 years

No	Code	Course	Total contact hours (Hours of lectures and seminars)	ECTS credits
<i>Compulsory courses</i>				
1	907	Theoretical Mechanics part II	30	5
2	902	Strength of Materials	38	6
3	1002	Computer Drawing for Engineers	23	5
4	653	Machines and Systems for Continuous Transport	30	6
5	600	Internal Combustion Engines	38	8
6	903	Theory of Mechanisms and Machines	30	5
7	665	Maintenance of Material Handling and Construction Equipment	38	9
8	6655	Lifting and transport machines	38	8
9	825	ППИИ	38	8
10	1025	Automation of design and construction	38	8
11	678	Dynamics of Material Handling and Construction Machines	30	8
12	679	Special Machines for Civil Engineering	38	6
13	6623	Modeling and optimization of lifting and transport and construction equipment	38	6
14	682	Machines for Multimodal, Intermodal and Cargo Terminals	38	8
15	684	Metal Structures of Material Handling and Civil Engineering Equipment	30	5
<i>Elective courses</i>				
16.1	1013	Metrology and Measurement Equipment	23	4
16.2	1018	Interchangeability and standardization	23	4
17.1	620	Machines for Extraction and Processing of Construction Materials	30	4
17.2	668	Elevators and Cableways	30	4
18.1	683	Automation of Material Handling and Civil Engineering Equipment	30	6
18.2	694	Special cargo handling machines	30	6
19.1	685	Reliability of Material Handling and Civil Engineering Equipment	30	5
19.2	664	Material Handling Manipulators and Robots	30	5
<i>Optional courses</i>				
20	661	Information and Control Systems of Material Handling and Construction Equipment	30	4
21	617	Loading/Unloading and Storage Processes When Dealing with Dangerous Goods	23	3