

"Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Transportation Civil Engineering

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	60	7
2	1114	Physics	90	7
3	301	Engineering Geodesy	105	7
4	821	Informatics	75	6
5	703	Economic History	45	3
6	812	Mathematics part II	60	7
7	715	Foreign Language - English, German, French, Russian	90	8
8	911	Theoretical Mechanics	90	9
9	816	Mathematics part III	60	6
10	822	Descriptive Geometry	60	5
11	474	Soil Mechanics	60	5
12	912	Strength of Materials	105	7
13	702	Economics	45	4
14	445	Foundation Engineering	90	6
15	447	Building Materials	75	6
16	913	Structural Mechanics	120	6
17	309	Design and Construction of Railway Track	105	7
18	339	Design and Construction of Railway Track - make a project	0	3
19	409	Hydrology and Hydraulics	45	4
20	342	Design and Construction of Roads	105	7
21	412	Building Construction, Water Supply and Sewerage	60	4
22	338	Superstructure and Maintenance of Railway Track	105	6
23	340	Design and Construction of Roads - make a project	0	3
24	404	Reinforced Concrete and Reinforced Concrete Structures	105	8
25	341	Maintenance of Roads	60	4
26	377	Safety and Health in the Construction Process Management	60	4
27	475	Technology and Mechanization of Construction Works	60	5
28	416	Reinforced Concrete Bridges	105	8
29	305	Tunnels	90	7
30	318	Urban Planning, Traffic and Streets	45	4
31	406	Organization and Management of Construction and Construction Law	90	8
32	448	Reinforced Concrete Bridges - make a project	0	3
33	403	Steel Bridges	90	6
34	411	Steel and Wood Constructions	60	4
35	306	Stations and Station Facilities	60	4

36	431	Maintenance and Reconstruction of Bridges	45	3
37	337	Road and Track Geometry	45	3
38	360	Engineering Geodesy - practicum	45	6
39	719	Physical Education and Sports	0	0
	721	Political Science	45	3
<i>Elective courses</i>				
40.1	693	Civil Engineering Equipment	45	3
40.2	424	Management of Construction Firm	45	3
41.1	1111	Electrical Engineering	45	3
41.2	1208	Chemistry	45	3
42.1	379	High-Speed Railway Lines	45	3
42.2	451	Regulations in Railway Infrastructure	45	3
<i>Optional courses</i>				
43	361	Engineering Construction Drawing	45	3
44	143	Railway Transport Operation and Safety	45	3
45	419	Engineering Geology	45	3
46	453	Computer-aided Design Systems	45	3
47	378	Assessment of compliance of infrastructure projects	75	5