

# "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	721	Political Science	45	3
6	812	Mathematics part II	60	7
7	715	Foreign Language - English, German, French, Russian	90	6
8	911	Theoretical Mechanics	90	8
9	419	Engineering Geology	45	6
10	816	Mathematics part III	60	6
11	822	Descriptive Geometry	60	5
12	446	Soil Mechanics	45	5
13	912	Strength of Materials	105	7
14	702	Economics	60	4
15	445	Foundation Engineering	75	5
16	447	Building Materials	90	6
17	913	Structural Mechanics	120	6
18	309	Design and Construction of Railway Track	105	7
19	339	Design and Construction of Railway Track - make a project	0	3
20	409	Hydrology and Hydraulics	45	4
21	342	Design and Construction of Roads	105	7
22	412	Building Construction, Water Supply and Sewerage	60	4
23	338	Superstructure and Maintenance of Railway Track	105	8
24	340	Design and Construction of Roads - make a project	0	3
25	404	Reinforced Concrete and Reinforced Concrete Structures	105	8
26	341	Maintenance of Roads	60	9
27	416	Reinforced Concrete Bridges	105	8
28	305	Tunnels	90	7
29	318	Urban Planning, Traffic and Streets	45	4
30	406	Organization and Management of Construction and Construction Law	90	8
31	448	Reinforced Concrete Bridges - make a project	0	3
32	403	Steel Bridges	90	8
33	411	Steel and Wood Constructions	60	7
34	306	Stations and Station Facilities	60	8
35	337	Road and Track Geometry	60	5
36	360	Engineering Geodesy - practicum	45	3

37	449	Internship	60	2
	719	Physical Education and Sports	0	0
<i>Elective courses</i>				
39.1	414	Ecology	45	3
39.2	424	Management of Construction Firm	45	3
40.1	1111	Electrical Engineering	45	3
40.2	1208	Chemistry	45	3
41.1	450	Building Insulations	45	5
41.2	451	Regulations in Railway Infrastructure	45	5
<i>Optional courses</i>				
42	361	Engineering Construction Drawing	45	3
43	143	Railway Transport Operation and Safety	45	3
44	452	Civil Engineering - make an internchip	30	3
45	336	Occupational Safety in Construction	45	3
46	437	Technology and Mechanization of Construction Works	45	4
47	453	Computer-aided Design Systems	45	4
48	431	Maintenance and Reconstruction of Bridges	45	4