

# "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	872	Mathematics	75	7
2	1125	Physics	45	6
3	333	Fundamentals of geodesy	75	7
4	821	Informatics	60	5
5	703	Economic History	45	5
6	882	Applied Mathematics	75	7
7	715	Foreign Language - English, German, French, Russian	75	7
8	911	Theoretical Mechanics	60	7
9	822	Descriptive Geometry	60	6
10	474	Soil Mechanics	45	6
11	912	Strength of Materials	75	9
12	702	Economics	45	4
13	447	Building Materials	90	8
14	445	Foundation Engineering	60	7
15	913	Structural Mechanics	120	6
16	309	Design and Construction of Railway Track	105	8
17	339	Design and Construction of Railway Track - make a project	0	5
18	409	Hydrology and Hydraulics	45	4
19	342	Design and Construction of Roads	105	7
20	412	Building Construction, Water Supply and Sewerage	60	4
21	338	Superstructure and Maintenance of Railway Track	105	5
22	340	Design and Construction of Roads - make a project	0	5
23	404	Reinforced Concrete and Reinforced Concrete Structures	105	8
24	305	Tunnels	90	8
25	475	Technology and Mechanization of Construction Works	60	7
26	416	Reinforced Concrete Bridges	105	9
27	318	Urban Planning, Traffic and Streets	45	5
28	406	Organization and Management of Construction and Construction Law	90	8
29	448	Reinforced Concrete Bridges - make a project	0	5
30	403	Steel Bridges	90	6
31	411	Steel and Wood Constructions	60	4
32	306	Stations and Station Facilities	60	4
33	301	Engineering Geodesy	45	3
34	331	Airdromes	45	3
35	719	Physical Education and Sports	0	0
<i>Elective courses</i>				

36.1	693	Civil Engineering Equipment	45	3
36.2	424	Management of Construction Firm	45	3
37.1	1111	Electrical Engineering	45	3
37.2	419	Engineering Geology	45	3
38.1	456	Strengthening of deep excavations and foundation in open waters	45	3
38.2	459	Combined foundation and reinforcement of landslides	45	3
39.1	379	High-Speed Railway Lines	45	3
39.2	451	Regulations in Railway Infrastructure	45	3
<i>Optional courses</i>				
40	361	Engineering Construction Drawing	45	3
41	143	Railway Transport Operation and Safety	45	3
42	453	Computer-aided Design Systems	45	3
43	377	Safety and Health in the Construction Process Management	60	4