

"Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Transportation Civil Engineering

Degree: Bachelor

Mode of study: Part 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	38	7
2	1125	Physics	23	6
3	333	Fundamentals of geodesy	38	7
4	821	Informatics	30	5
5	703	Economic History	23	5
6	882	Applied Mathematics	38	7
7	715	Foreign Language - English, German, French, Russian	38	7
8	911	Theoretical Mechanics	30	7
9	822	Descriptive Geometry	30	6
10	474	Soil Mechanics	23	6
11	912	Strength of Materials	38	9
12	702	Economics	23	4
13	447	Building Materials	45	8
14	445	Foundation Engineering	30	7
15	913	Structural Mechanics	60	6
16	309	Design and Construction of Railway Track	53	8
17	339	Design and Construction of Railway Track - make a project	0	5
18	409	Hydrology and Hydraulics	23	4
19	342	Design and Construction of Roads	53	7
20	412	Building Construction, Water Supply and Sewerage	30	4
21	338	Superstructure and Maintenance of Railway Track	53	5
22	340	Design and Construction of Roads - make a project	0	5
23	404	Reinforced Concrete and Reinforced Concrete Structures	53	8
24	305	Tunnels	45	8
25	475	Technology and Mechanization of Construction Works	30	7
26	416	Reinforced Concrete Bridges	53	9
27	318	Urban Planning, Traffic and Streets	23	5
28	406	Organization and Management of Construction and Construction Law	45	8
29	448	Reinforced Concrete Bridges - make a project	0	5
30	403	Steel Bridges	45	6
31	411	Steel and Wood Constructions	30	4
32	306	Stations and Station Facilities	30	4
33	301	Engineering Geodesy	23	3
34	331	Airdromes	23	3
<i>Elective courses</i>				
35.1	693	Civil Engineering Equipment	23	3

35.2	424	Management of Construction Firm	23	3
36.1	1111	Electrical Engineeing	23	3
36.2	419	Engineering Geology	23	3
37.1	456	Strengthening of deep excavations and foundation in open waters	23	3
37.2	459	Combined foundation and reinforcement of landslides	23	3
38.1	379	High-Speed Railway Lines	23	3
38.2	451	Regulations in Railway Infrastructure	23	3
<i>Optional courses</i>				
39	361	Engineering Construction Drawing	23	3
40	143	Railway Transport Operation and Safety	23	3
41	453	Computer-aided Design Systems	23	3
42	377	Safety and Health in the Construction Process Management	30	4