

"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	75	7
2	1114	Physics	90	7
3	821	Informatics	90	7
4	721	Political Science	45	3
5	301	Engineering Geodesy	75	6
6	812	Mathematics part II	75	7
7	1208	Chemistry	45	4
8	715	Foreign Language - English, German, French, Russian	90	6
9	302	Technical Drawing	30	2
10	911	Theoretical Mechanics	90	8
11	419	Engineering Geology	45	3
12	816	Mathematics part III	60	6
13	822	Descriptive Geometry	60	5
14	1111	Electrical Engineering	45	4
15	912	Strength of Materials	105	8
16	702	Economics	60	4
17	426	Building Materials and Insulation	105	7
18	410	Soil Mechanics and Foundation Engineering	120	7
19	414	Ecology	30	2
20	309	Design and Construction of Railway Track	105	7
21	339	Design and Construction of Railway Track - make a project	0	2
22	719	Physical Education and Sports	0	0
23	913	Structural Mechanics	120	7
24	409	Hydrology and Hydraulics	45	4
25	342	Design and Construction of Roads	105	7
26	412	Building Construction, Water Supply and Sewerage	60	4
27	340	Design and Construction of Roads - make a project	0	2
28	404	Reinforced Concrete and Reinforced Concrete Structures	105	7
29	338	Superstructure and Maintenance of Railway Track	120	5
30	415	Technology and Mechanization of Construction Works	75	6
31	341	Maintenance of Roads	60	5
32	336	Occupational Safety in Construction	30	2
33	427	Reinforced Concrete and Reinforced Concrete Structures - make a project	0	2
34	416	Reinforced Concrete Bridges	105	9
35	305	Tunnels	90	6
36	318	Urban Planning, Traffic and Streets	45	4

37	411	Steel and Wood Constructions	45	4
38	405	Steel Bridges - make a project	0	2
39	403	Steel Bridges	90	6
40	406	Organization and Management of Construction and Construction Law	105	5
41	306	Stations and Station Facilities	75	6
42	431	Maintenance and Reconstruction of Bridges	45	3
43	408	Computer-aided Design and Construction Management	60	5
44	337	Road and Track Geometry	45	3
<i>Elective courses</i>				
	424	Management of Construction Firm	45	3
	345	Industrial Railway Track	45	3
	439	Technology of Earthworks in Transportation Engineering	45	3
	260	Transport Equipment	45	3
	436	Design of Reinforced Concrete Structures by Euronorm Standards	45	3
<i>Optional courses</i>				
	143	Railway Transport Operation and Safety	45	3