

# "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	811	Mathematics part I	38	7
2	1114	Physics	45	7
3	821	Informatics	45	7
4	721	Political Science	23	3
5	301	Engineering Geodesy	38	6
6	812	Mathematics part II	38	7
7	1208	Chemistry	23	4
8	715	Foreign Language - English, German, French, Russian	45	6
9	302	Technical Drawing	15	2
10	911	Theoretical Mechanics	45	8
11	419	Engineering Geology	23	3
12	816	Mathematics part III	30	6
13	822	Descriptive Geometry	30	5
14	1111	Electrical Engineering	23	4
15	912	Strength of Materials	53	8
16	702	Economics	30	4
17	426	Building Materials and Insulation	53	7
18	410	Soil Mechanics and Foundation Engineering	61	7
19	414	Ecology	15	2
20	309	Design and Construction of Railway Track	53	7
21	339	Design and Construction of Railway Track - make a project	0	2
22	913	Structural Mechanics	60	7
23	409	Hydrology and Hydraulics	23	4
24	342	Design and Construction of Roads	53	7
25	412	Building Construction, Water Supply and Sewerage	30	4
26	340	Design and Construction of Roads - make a project	0	2
27	404	Reinforced Concrete and Reinforced Concrete Structures	53	7
28	338	Superstructure and Maintenance of Railway Track	60	5
29	415	Technology and Mechanization of Construction Works	38	6
30	341	Maintenance of Roads	30	5
31	336	Occupational Safety in Construction	15	2
32	427	Reinforced Concrete and Reinforced Concrete Structures - make a project	0	2
33	416	Reinforced Concrete Bridges	53	9
34	305	Tunnels	45	6
35	318	Urban Planning, Traffic and Streets	23	4
36	411	Steel and Wood Constructions	23	4

37	405	Steel Bridges - make a project	0	2
38	403	Steel Bridges	45	6
39	406	Organization and Management of Construction and Construction Law	53	5
40	306	Stations and Station Facilities	38	6
41	431	Maintenance and Reconstruction of Bridges	23	3
42	408	Computer-aided Design and Construction Management	30	5
43	337	Road and Track Geometry	23	3
<i>Elective courses</i>				
	424	Management of Construction Firm	23	3
	345	Industrial Railway Track	23	3
	439	Technology of Earthworks in Transportation Engineering	23	3
	260	Transport Equipment	23	3
	436	Design of Reinforced Concrete Structures by Euronorm Standards	23	3
<i>Optional courses</i>				
	143	Railway Transport Operation and Safety	23	3