

TODOR KABLESHKOV UNIVERSITY OF TRANSPORT

FACULTY OF MACHINERY AND CONSTRUCTION TECHNOLOGIES IN TRANSPORT

Programme: **Transportation Engineering**

Degree: **Bachelor**

Professional Qualification: **Civil Engineer**

Mode of Study: **Full-time**

Duration of Study: **Four years**

№	Code	Subject	Duration	Contact Hours	ECTS Credits
1	2	3	4	5	6
		Compulsory			
1	811	Mathematics I	1S	75	7
2	1114	Physics	1S	90	7
3	821	Informatics	1S	90	7
4	721	Political Science	1S	45	3
5	301	Engineering Geodesy	1S	75	6
6	812	Mathematics II	1S	75	7
7	1210	Chemistry	1S	45	4
8	715	/English, German, French, Russian as/ Foreign Language	1S	90	6
9	302	Technical Drawing	1S	30	4
10	911	Theoretical Mechanics	1S	90	8
11	419	Engineering Geology	1S	45	3
12	816	Mathematics III	1S	60	6
13	822	Descriptive Geometry	1S	60	5
14	1111	Electrical Engineering	1S	45	4
15	912	Strength of Materials	1S	105	8
16	410	Soil Mechanics and Foundation Engineering	1S	120	10
17	702	Economics	1S	60	4
18	426	Building Materials and Insulation	1S	105	7
19	913	Structural Mechanics	1S	120	12
20	414	Ecology	1S	30	2
21	309	Design and Construction of Railway Track	1S	105	7
22	339	Project in Design and Construction of Railway Track	1S		2
23	409	Hydrology and Hydraulics	1S	45	4
24	342	Design and Construction of Roads	1S	105	7
25	412	Building Construction, Water Supply and Sewerage	1S	60	4
26	338	Superstructure and Maintenance of Railway Track	1S	120	11
27	340	Project in Design and Construction of Roads	1S		2
28	404	Reinforced Concrete and Reinforced Concrete Structures	1S	105	7
29	415	Technology and Mechanization of Construction Works	1S	75	6
30	341	Maintenance of Roads	1S	60	5
31	336	Occupational Safety in Construction	1S	30	2
32	427	Project in Reinforced Concrete and Reinforced Concrete Structures	1S		2
33	416	Reinforced Concrete Bridges	1S	105	9
34	305	Tunnels	1S	90	6
35	318	Urban Planning, Traffic and Streets	1S	45	4
36	411	Steel and Wood Constructions	1S	45	4
37	406	Organization and Management of Construction and Construction Law	1S	105	9
38	405	Steel Bridges Project	1S		2
39	403	Steel Bridges	1S	90	6
40	306	Stations and Station Facilities	1S	75	6
41	431	Maintenance and Reconstruction of Bridges	1S	45	3
42	408	Computer-aided Design and Construction Management	1S	60	5

43	337	Road and Track Geometry	1S	45	3
44	719	Physical Education and Sports	4S	120	
		Elective	1S		
45.1	424	Management of Construction Firm	1S	45	3
45.2	345	Industrial Track	1S	45	3
46.1	436	Design of Reinforced Concrete Structures by Euronorm Standards	1S	45	3
46.2	260	Transport Equipment		45	3
46.3	439	Technology of Earthworks in Transportation Engineering	1S	45	3
		Optional			
47	143	Railway Transport Operation and Safety	1S	60	6
		Practical Training			
48		Practice in Engineering Geodesy	2W	60	2
49		Practice in Engineering Geology	1W	30	1
49a		Internship in Civil Engineering	1W	30	1
50		Practice in Road and Track	2W	60	2
51		Internship	4W	120	4
		State Examination			10

S - Semester

W - Week