

"Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Public Works and Utilities

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	60	7
2	1114	Physics	90	7
3	301	Engineering Geodesy	105	7
4	821	Informatics	75	6
5	721	Political Science	45	3
6	812	Mathematics part II	60	7
7	715	Foreign Language - English, German, French, Russian	90	8
8	911	Theoretical Mechanics	90	9
9	816	Mathematics part III	60	6
10	474	Soil Mechanics	60	5
11	912	Strength of Materials	105	7
12	693	Civil Engineering Equipment	45	3
13	822	Descriptive Geometry	60	5
14	702	Economics	45	4
16	447	Building Materials	75	6
17	913	Structural Mechanics	120	6
18	697	Technologies for Waste Collection	60	10
19	409	Hydrology and Hydraulics	45	4
20	604	Pumps and Pumping Stations	75	8
21	412	Building Construction, Water Supply and Sewerage	60	4
22	380	Transport infrastructure	75	8
23	404	Reinforced Concrete and Reinforced Concrete Structures	105	8
24	341	Maintenance of Roads	60	4
26	466	Design and Construction of Bridges	90	8
27	318	Urban Planning, Traffic and Streets	45	4
28	406	Organization and Management of Construction and Construction Law	90	8
29	1451	Investment Project Management	45	4
30	607	Machines and Systems for Waste Processing	60	6
31	467	Water Supply and Sewerage Networks and River Corrections	60	4
32	411	Steel and Wood Constructions	45	3
33	374	Emergency recovery of transport facilities and buildings	45	3
34	455	Design, Construction and Operation of TBO	45	3
35	13162	Electrical Networks and Facilities in Populated Areas	45	3
36	431	Maintenance and Reconstruction of Bridges	45	3
37	360	Engineering Geodesy - practicum	45	6

39	719	Physical Education and Sports	0	0
<i>Elective courses</i>				
40.1	1111	Electrical Engineeing	45	3
40.2	1210	Chemistry	45	3
41.2	1449	Business Planning	45	3
42	707	Course in Foreign Language in Engineering	45	10
<i>Optional courses</i>				
44	13163	Design and Operation of Electrical Installations in Buildings	45	3
45	377	Safety and Health in the Construction Process Management	60	4
47	453	Computer-aided Design Systems	45	3
47	361	Engineering Construction Drawing	45	3
51	419	Engineering Geology	45	3