

"Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Technical Supervision and Operation of Hydrotechnical Facilities

Degree: Master's Degree for Graduates with Bachelor's or Master's Degree

Mode of study: Full time

Duration of study: 2.0 years

No	Code	Course	Total contact hours (Hours of lectures and seminars)	ECTS credits
<i>Compulsory courses</i>				
1	917	Mechanics of Structures	105	5
2	420	Hydrology	45	5
3	447	Building Materials	90	6
4	693	Civil Engineering Equipment	45	4
5	604	Pumps and Pumping Stations	75	6
6	460	Monitoring and Rescue Works	60	5
7	446	Soil Mechanics	45	4
8	422	Hydraulics	60	4
9	630	Metrology and Nondestructive Control	60	5
10	457	Design and Construction of Hydrotechnical Structures	90	7
11	461	Technical Safety of Dams and Hydrotechnical Structures	60	5
12	445	Foundation Engineering	75	5
13	404	Reinforced Concrete and Reinforced Concrete Structures	105	8
14	454	Reliability and Maintenance of Dams and Hydrotechnical Structures	45	4
15	605	Hydro-mechanical Equipment	45	4
16	458	Hydro-Economic Research	45	4
<i>Elective courses</i>				
17.1	1123	Application for remote sensing for hydrotechnical structures	60	5
17.2	462	Geology and Geodesy	60	5
<i>Optional courses</i>				