

# "Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Operation of Tunnel Boring Machines

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

Mode of study: Part time

Duration of study: 1.0 years

No	Code	Course	Total contact hours (Hours of lectures and seminars)	ECTS credits
<i>Compulsory courses</i>				
1	469	Rock Mechanics	38	6
2	470	Fundamentals of Geodesy and Geotechnical Measurements	23	4
3	471	Engineering Geology and Hydrogeology	23	4
4	678	Dynamics of Material Handling and Construction Machines	30	5
5	695	Special drives of Construction machines	38	6
6	694	Special cargo handling machines	38	5
7	683	Automation of Material Handling and Civil Engineering Equipment	38	5
8	691	Tunneling machines	30	6
9	6602	Operation of Tunneling Machines	30	5
10	472	Tunneling technology	38	5
11	473	Organization and Safety at Tunneling	23	4
<i>Elective courses</i>				
12.1	685	Reliability of Material Handling and Civil Engineering Equipment	30	5
12.2	6603	Software for Tunneling Machines	30	5
<i>Optional courses</i>				