

"Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Welding and Quality Control of Welded Joints

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	1229	Welding Fundamentals and Welding Processes	38	6
2	918	Tensions and Distortions in Welded Structures	30	6
3	1227	Welded Structures and Weldability	30	6
4	630	Metrology and Nondestructive Control	30	6
5	1218	Material Science and Thermal Treatment	30	6
6	1228	Welding Production Quality Control	30	7
7	1219	Methods and Welding machines	38	7
8	6606	Labor protection and safety technique	23	4
<i>Elective courses</i>				
9.1	6605	Mechanization and Automation of Welding	38	7
9.2	1231	Structure and heat treatment of welded joints	38	7
10.1	6607	Technical Supervision and Operation of Facilities with Increased Danger	30	5
10.2	1232	Measurement, control and recording of welding parameters	30	5
<i>Optional courses</i>				
11	6604	Drives, Automatic Control and Adjustment of Welding Machines	30	5
12	1233	Repair welding and corrosion	30	5