

# "Todor Kableshkov" University of Transport

Faculty: Telecommunications and Electrical Equipment in Transport

Programme: Electric Power Engineering and Electrical Equipment

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

Mode of study: Full time

Duration of study: 1.5 years

No	Code	Course	Total contact hours (Hours of lectures and seminars)	ECTS credits
<i>Compulsory courses</i>				
1	1377	Engineering Research and Design	75	5
2	13201	Electromagnetic compatibility in industry and transport	75	5
3	13202	Energy efficient electric drives	90	6
4	1361	High-efficiency Energy-saving Devices and Technologies	60	6
5	13203	Transients in electrical systems in transport	75	5
6	13204	Energy efficient electric drives - course project	0	3
7	13205	Information systems in energy and transport	75	6
8	1367	Reliability of the Electric Transport Systems	75	6
9	1366	High speed Electric Transport	60	4
10	13	Internship	0	4
<i>Elective courses</i>				
11.1	13207	Computer simulation modeling and optimization of electrical systems in transport	90	8
11.2	13206	Systems for automated design of power supply and electrical equipment	90	8
12.1	13209	Modern systems for measurement, control, management and protection in electric transport	75	6
12.2	13208	Systems for monitoring and energy efficient management of electrical equipment	75	6
<i>Optional courses</i>				