

"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 Professional Bachelor Degree

Mode of study: Part time

Duration of study: 2.5 years

No	Code	Course	Total contact hours (Hours of lectures and seminars)	ECTS credits
<i>Compulsory courses</i>				
1	815	Mathematics part III	30	6
2	1102	Theoretical Electrical Engineering part II	30	6
3	1372	Power Systems Modes	45	7
4	1443	Management of Transport Power Systems	23	3
5	1330	Power Supply and Electrical Equipment Design	23	5
6	1374	Project in Power Supply and Electrical Equipment Design	0	3
7	1301	Safety and Ecology	23	3
8	1329	Relay Protection	30	5
9	1349	Testing of Electric Transport Equipment	30	4
10	1325	Current Collection for Electric Drive Vehicles	30	9
11	1306	Electrical Equipment in Power Plants	45	6
12	1369	Electrical Equipment - make a project	0	3
13	1377	Engineering Research and Design	38	5
14	535	Electromagnetic Compatibility (EMC)	38	5
15	1359	AC Traction Electric Drives	45	6
16	1361	High-efficiency Energy-saving Devices and Technologies	30	6
17	1362	Transient Processes in Electric Traction Circuits	38	5
18	1376	Course project on AC Traction Electric Drives	0	3
19	1364	Information Systems in Power Engineering	38	6
20	1365	Modelling and Optimization of Traction Power Supply Systems	45	8
21	1366	High speed Electric Transport	30	4
22	1367	Reliability of the Electric Transport Systems	38	6
<i>Elective courses</i>				
	1370	Contemporary Systems for Control, Supervision and Protection of Electric Vehicles	38	6
	1371	Contemporary Systems for Control, Supervision and Protection of Electric Traction Networks	38	6
<i>Optional courses</i>				