

"Todor Kableshkov" University of Transport

Faculty: Telecommunications and Electrical Equipment in Transport

Programme:

Degree: Master's Degree for Graduates with Bachelor's or Master's 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	1117	Theoretical Electrical Engineering	30	6
2	1308	Electrical Supply	30	6
3	1398	Electromechanical Devices	30	6
4	1302	High Voltage Technique	38	8
5	1310	Traction and Energy Calculation	30	7
6	1307	Electrical Equipment	30	4
7	1329	Relay Protection	30	5
8	1372	Operation Modes of Electric Power Systems	30	7
9	1328	Electrical Drives	30	7
10	1344	Systems for Automatic Control	38	6
11	1324	Electrical Power Networks and Power Plants	38	6
12	1330	Design of Installation for Electricity Supply and Electrical Equipment	23	6
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>				
	1371	Contemporary Systems for Control, Supervision and Protection of Electric Traction Networks	38	6
	1370	Contemporary Systems for Control, Supervision and Protection of Electric Vehicles	38	6
<i>Optional courses</i>				