

"Todor Kableshkov" University of Transport

Faculty: Telecommunications and Electrical Equipment in Transport

Programme: Electric Vehicles

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	1386	Electric Car Engineering Research and Design	75	6
2	13212	Power and auxiliary circuits of electric cars	90	7
3	13201	Electromagnetic compatibility in industry and transport	75	5
4	1392	Electric Car Propulsion and Break Systems	75	5
5	1394	Electric Vehicle Charging Stations	60	4
6	13213	Modeling and simulation of electrical systems for electric vehicles	75	6
7	13214	Control and protection systems for electric vehicles	75	7
8	1389	Safety and Ecology	45	3
9	1395	Electric Car Marketing and Sales	45	3
10	13215	Reliability of electric cars	75	6
11	13	Internship	0	4
12.2	13217	Course project - Charging stations for electric cars	0	3
<i>Elective courses</i>				
12.1	13216	Course design - traction and braking systems of electric vehicles	0	3
13.1	13218	Charging infrastructure design	60	5
13.2	13219	Design of control systems and protection of electric vehicles	60	5
<i>Optional courses</i>				