

CURRICULUM
EDUCATIONAL AND QUALIFICATION DEGREE: MASTER
COURSE OF STUDY: ELECTRIC VEHICLES
VOCATIONAL FIELD: 5.2 ELECTRICAL ENGINEERING, ELECTRONICS, AND AUTOMATICS

FORM OF STUDY: FULL-TIME

DURATION OF STUDY: 1 YEAR

Duration of each semester: 15 weeks

Year	Semester	№	Course unit code	Full name of the course units (course projects, practical training)	Form of control	Teaching hours (weekly)		Overall teaching hours by type of seminar			Overall academic load per semester	Credits acc. to ECTS	
						L	S	S	Lab	P			
First	First	1	322145	Structure of Electric Vehicles	E	2	3	30	15		75	5	
		2	322139	Charging Stations and Power Supply Sources	E	2	3	30	15		75	5	
		3	322146	Electric Drive of Vehicles	E	2	3	30	15		75	5	
		4	322140	Application Software in Electric Vehicles	E	2	2	30			60	5	
		5	322141	Standardisation and Certification	E	2	2	30			60	5	
		6	<i>Elective course unit</i>		E	2	2	30			60	5	
			322211	Renewable Sources of Energy									
			322242	Electricity Trading									
	Overall for the first semester					6+0	12	15	180	45		405	30
	Second	1	322147	Reliability, Operation, and Repair of Electric Vehicles	E	2	3	30	15		75	5	
		2	322143	Electricity Supply and Optimisation of the Electric Vehicle Infrastructure	E	2	2	15	15		60	5	
		3	322148	Electric Cars in the Industry	E	2	2	15	15		60	5	
		4	322144	Electrical Safety with the Operation of Electric Mobility Systems	E	2	3	45			75	5	
		5	322149	Electric Mobility in Public Transport	E	2	3	30	15		75	5	
		6	<i>Elective course unit</i>		E	2	2	30			60	5	
			272214	Management and Marketing									
			272213	Civil and Commercial Law									
	Overall for the second semester					6+0	12	15	165	60		405	30
Development and defence of the diploma paper												15	
OVERALL FOR THE FULL COURSE OF STUDY					12+0	24	30	345	105		810	75	

Abbreviations: E - examination; CA -continuous assessment; L - lectures; Lab - laboratory seminars; S -seminars; P - practical seminars

Parameters of the Curriculum:

Overall teaching hours for the full course of study: **810**
Academic load: **810**
lectures: **360**
seminars: **450**
- seminars **345**
- laboratory seminars **105**
- practical seminars
Extracurricular load (practical training):
Number of exams: **10**
Items of continuous assessment: **1**