



List of credits on the specialty “Electromechanical Systems of Automation and Electric Drive”

<b>MASTER</b>	
NAME OF SUBJECTS	CREDITS
Programmable Logic Controllers	6.5
Power Converters of AC Electrical Drives	5
CAD (Computer-Aided Design) of Electromechanical Systems, Electrical Drives and Automation Systems I	4
Specialized Labor Safety	1
Program Control of Electromechanical Systems I	3
Specific Problems of Electrical Drives I	4
Electromechanical Systems of Automation in Metal Processing	3
Digital Signal Processors and Microcontrollers	5
Program Control of Electromechanical Systems II	3
Intellectual Property	1
Automated Control Systems of Technological Processes	4
English for Specific Purposes I. English for Scientists I	3
English for Specific Purposes (Advanced) II. English for Scientists II	1.5
Artificial-Intelligence-Based Control in Electromechanical Systems	3
Specific Problems of Electrical Drives II	4
CAD (Computer-Aided Design) of Electromechanical Systems, Electrical Drives and Automation Systems II	4
Mathematical Simulation of Systems and Processes	1
Civil Defence	1
Factors of Successful Professional Employment	1.5
Philosophical Principles of Scientific Cognition	2
Fundamentals of Scientific Research	6.5
Scientific Research on Master Thesis	2
Specific Problems of Electrical Drives III	5
Robust and Adaptive Control of Electromechanical Systems	2
Patenting and Copyright	4
Mathematical Optimization Methods	2
Fundamentals of Sustainable Development of Society	1.5
Higher School Pedagogy	3
Optimal Control Theory	3
Modern Microcontroller Control Systems	6
Scientific and Research Practice	1.5
Course Project in Programmable Logic Controllers	1.5
Course Project in Specific Problems of Electrical Drives II	1
Coursework Project in Robust and Adaptive Control of Electromechanical Systems	22.5