

Electrical Energetics, Electrical Engineering and Electromechanics

1 course	ECTS
Ukrainian Language as a Foreign Language	6
Civilization Processes in Ukrainian Society	5,5
Higher Mathematics	19
General Physics	11
Computer Engineering and Programming	11
Engineering and Computer Graphics	5,5
Theoretical Basics of Electrotechnics	10
Technical Mechanics	7,5
Educational Introductory Practical Training	6

2 course	ECTS
Axiological Competences of an Expert	5
Electrical Material Study	3
Electrical Machines	7,5
Basics of Metrology and Electrical Measurement	4
Basics of Electric Drive	6
Fundamentals of electricity generation, distribution and	6,5
Term Project in Electric Machines	0,5
Educational Computer Practical Training	6

3 course	ECTS
Science of Law	3
Computer Technologies for Calculations in Electromechanics	4
Electronics and Microchips	10
Theory of Electric Drive	7
Term Project in Theory of Electric Drives	0,5
Electric apparatuses	3
Special Issues of Electric Machinery	3
Theory of Automatic Control	7
Microprocessors	6
Mechanics of Machines	3
Term Project in Microprocessors	0,5
Power Converters for Automated Electric Drive	7
Industrial Practical Training	6

4 course

Civil Security	3
Computer Designing	7
Mechatronics and Robotics	7
Motion Control Systems	8
Industrial Economics and Engineering	3
Pre-Diploma Practical Training	3
Automation Devices	4,5
Term Project in Electric Drive Control Systems	0,5
Electric Drive Control Systems	15