KIMYO INTERNATIONAL UNIVERSITY IN TASHKENT

SCHOOL OF ENGINEERING

CURRICULUM: ELECTRICAL ENGINEERING

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
1 SEMESTER	• Computer Science 1 • Engineering Drawing 1 • Mathematical Analysis 1 • Linear Algebra and Geometry • Technical English	• Introduction to Electrical Engineering • Fundamentals of Circuit Theory • Physics 2 • Thermodynamics and Heat Transfer • Elective module (1 out of 2)	• Electrical Networks • Microprocessor Technology • Power Engineering • Electrical Machines	• Electric Power Supply Networks • Semiconductor Components and Circuit Design • Simulation and Technical Diagnostics • Elective module (1 out of 3)
2 SEMESTER	• Chemistry • Computer Science 2 • Mathematical Analysis 2 • Physics 1	• Material Science • Drawing Electricity and CAD • Electromagnetics • Academic Internship 1	• Automatic Control • Measurement Data Processing • Electrical Measurements and Statistics • Elective module (1 out of 4) • Internship 2	• Undergraduate practice • Graduation research (project)

CURRICULUM: ELECTRICAL ENGINEERING, ELECTIVES LIST

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
1 SEMESTER		• Electric Basic Practice • Fundamentals of Electrical Engineering		• Industrial Plants and Project Management • Renewable Energy Management • Wind Power
2 SEMESTER			• PLC control • Electrics for Renewables • Energy Efficiency in Buildings • Energy Storage	