

KIMYO INTERNATIONAL UNIVERSITY IN TASHKENT



SCHOOL OF ENGINEERING CURRICULUM: RENEWABLE ENERGY

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
1 SEMESTER	<ul style="list-style-type: none">• Computer Science 1• Chemistry• Mathematical Analysis 1• Linear Algebra and Geometry• Technical English	<ul style="list-style-type: none">• Introduction to Renewable Energy• Material Science• Physics 2• Thermodynamics and Heat Transfer• Elective module (1 out of 2)	<ul style="list-style-type: none">• Electrical Machines• Electrical Wiring Practice• Power Engineering	<ul style="list-style-type: none">• Fundamentals of Photovoltaics• Renewable Energy Engineering• Elective module (1 out of 3)
2 SEMESTER	<ul style="list-style-type: none">• Engineering Drawing 1• Computer Science 2• Mathematical Analysis 2• Physics 1	<ul style="list-style-type: none">• Fundamentals of Circuit Theory• Drawing Electricity and CAD• Electromagnetics• Fundamentals of Thermal and Hydraulic Machines and Fluid Power• Academic Internship 1	<ul style="list-style-type: none">• Automatic Control• Electrical Measurements and Statistics• Digital Logic Circuit• Elective module (1 out of 4)• Internship 2	<ul style="list-style-type: none">• Undergraduate practice• Graduation research (project)

CURRICULUM: RENEWABLE ENERGY, ELECTIVES LIST

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
1 SEMESTER		<ul style="list-style-type: none">• Electric Basic Practice• Fundamentals of Electrical Engineering		<ul style="list-style-type: none">• Industrial Plants and Project Management• Renewable Energy Management• Wind Power
2 SEMESTER			<ul style="list-style-type: none">• PLC control• Electrics for Renewables• Energy Efficiency in Buildings• Energy Storage	