

KIMYO INTERNATIONAL UNIVERSITY IN TASHKENT



SCHOOL OF ENGINEERING

CURRICULUM: INFORMATION SYSTEMS ENGINEERING

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
1 SEMESTER	<ul style="list-style-type: none">• Mathematics 1• Programming 1• Physics 1• Introduction to Information Systems• English Language 1• Russian Language 1• Elective module	<ul style="list-style-type: none">• OOP• Discrete Mathematics• Database Management System• Data Structures and Algorithms• UI/UX• Project Based Learning (PBL) - 1	<ul style="list-style-type: none">• Operating Systems• Data Science• Software Engineering• Mobile Application Development• Project Based Learning (PBL) – 3• Elective module (1 out of 2)	<ul style="list-style-type: none">• Embedded Systems• Multimedia Technologies• Information security 2• Project Management• Software Quality Assurance• E-Government & IT Law• Elective module (1 out of 2)
2 SEMESTER	<ul style="list-style-type: none">• Mathematics 2• Programming 2• Computer Architecture• Physics 2• English Language 2• Russian Language 2• Elective module	<ul style="list-style-type: none">• Probability and Statistics• Web Programming• Computer Networks• Advanced Programming with Python• Project Based Learning (PBL) – 2• Academic Internship	<ul style="list-style-type: none">• Internet of Things• Systems Analysis and Modelling• Information Security 1• Machine Learning• Project Based Learning (PBL) – 4• Elective module (1 out of 2)• Professional Internship 1	<ul style="list-style-type: none">• Undergraduate practice• Graduation research (project)

CURRICULUM: INFORMATION SYSTEMS ENGINEERING, ELECTIVES LIST

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
1 SEMESTER	<ul style="list-style-type: none">• Korean Language 1		<ul style="list-style-type: none">• Introduction to Cloud Computing• Advanced Computer Networks	<ul style="list-style-type: none">• Computer Games Development• Wireless Networks
2 SEMESTER	<ul style="list-style-type: none">• Korean Language 2		<ul style="list-style-type: none">• Computer Vision• Introduction to Big Data	