



ELEKTROTEKNIKA / ELECTRICAL ENGINEERING - 60710500

Academic Degree:	Bachelor
Duration of Study:	4 Years
Mode of Study:	Full-time
Qualification Awarded:	Electrical Power Engineer (Electrical Technologies and Electrical Equipment)

COURSE	Weeks																																																				Academic Activity						Vacation	Overall Total		
																																																					Total	from that								
																																																						Theoretical and Practical Instruction	Assessment	Professional Internship	Final Attestation / Bachelor's Thesis	Orientation week				
September				October				November				December				January				February				March				April				May				June				July				August																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52											
1	OW															A	A	V	V	OW																A	A	V	V	V	V	V	V	V	V	V	V	V	V	V	V	36	30	4	0	0	2	16	52			
2	OW															A	A	V	V	OW																A	A	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	36	30	4	0	0	2	16	52
3	OW															A	A	V	V	OW																A	A	I	I	I	V	V	V	V	V	V	V	V	V	V	V	V	V	40	30	4	4	0	2	12	52	
4	OW															A	A	V	OW	I	I	I	I	I	I	I	I	I	I	I	I	I	I	A	F	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36	15	3	15	1	2	1	37	
Total																																																				148	105	15	19	1	8	45	199			

1. One credit is equivalent to 30 academic hours. The duration of one academic hour is 50 minutes.
2. Elective courses within the major may be revised to reflect the requirements of employers and other stakeholders.
3. Practical classes and laboratory sessions in specialised courses included in the curriculum shall be conducted at the higher education institution and, where appropriate, at partner organisations and enterprises serving as practical training bases. Within one semester, students may choose one elective course.
4. Assessment of students' knowledge and academic performance shall be carried out in accordance with the regulations developed under the University's credit system.
5. A dual qualification may be awarded provided that the student completes a full set of elective courses corresponding to one additional qualification, amounting to 20 ECTS credits within this block. The courses selected for the dual qualification shall be taught in a coherent and sequential manner during Semesters 4, 5, 6 and 7.

A.M. Raxmatova

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II. CURRICULUM

ELEKTROTEKNIKA / ELECTRICAL ENGINEERING - 60710500

№	Course Code		Course / Learning Activity	Total Workload		Student Workload (contact hours)				Student-centered learning	Distribution of Total hours								Distribution of ECTS credits								ECTS credits														
						Lectures	Seminar	PBL/CBL, Lab., Pract	Total		Courses								Courses																						
											1								2									3								4					
				Weeks								Weeks								Weeks								Weeks													
				36								36								40								36													
				Semesters								Semesters								Semesters								Semesters													
Hours	%									1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
1.00	-	Majburiy fanlar	Compulsory modules	4410	61	879	39	846	1764	2646	900	900	900	450	240	450	570	0	30	30	30	15	8	15	19	0	147														
1.01	PH4M0074	O'zbek (rus) tili	UZBEK (RUSSIAN) LANGUAGE	120	2			48	48	72		120								4							4														
1.02	EC5M0022	Dinshunoslik	RELIGIOUS STUDIES	120	2	48			48	72		120								4							4														
1.03	GM1M0274	Kimyo	CHEMISTRY	120	2	24	24		48	72	120								4								4														
1.04	PH2M0076-0077	Xorijiy til	FOREIGN LANGUAGE	240	3			96	96	144	120		120						4		4						8														
1.05	DT2M0078-0079	Fizika	PHYSICS	300	4	60		60	120	180	180	120							6	4							10														
1.06	DT2M0275 (0322; 0251)	Oliy matematika	ADVANCED MATHEMATICS	420	6	78		90	168	252	180	120	120						6	4	4						14														
1.07	EC5M0005	O'zbekistonning eng yangi tarixi	CONTEMPORARY HISTORY OF UZBEKISTAN	120	2	33	15		48	72	120								4								4														
1.08	DT3M0083	Texnik tizimlarda axborot texnologiyalari	INFORMATION TECHNOLOGIES IN TECHNICAL SYSTEMS	120	2	18		30	48	72	120								4								4														
1.09	EN1M0278	Muhandislik va kompyuter grafikasi	ENGINEERING AND COMPUTER GRAPHICS	120	2	30		18	48	72	120		120						4		4						4														
1.10	EN2M0279	Metrologiya va standartlashtirish	METROLOGY AND STANDARDIZATION	120	2	30		18	48	72			120							4							4														
1.11	EC4M0253	Soha iqtisodiyoti va menejmenti	INDUSTRIAL ECONOMICS AND MANAGEMENT	120	2	24		24	48	72					120								4				4														
1.12	EC5M0011	Falsafa	PHILOSOPHY	120	2	48			48	72						120							4				4														
1.13	EN2M0254	Ekologiya	ECOLOGY	120	2	48			48	72					120								4				4														
1.14	EN1M0088	Hayot faoliyati xavfsizligi	OCCUPATIONAL HEALTH AND SAFETY	120	2	30		18	48	72							120								4		4														
1.15	EN1M0904	Amaliy mexanika	APPLIED MECHANICS	120	2	30		18	48	72			120							4							4														
1.16	EN1M0281-0282	Nazariy elektrotexnika	THEORETICAL ELECTRICAL ENGINEERING	270	4	48		60	108	162			150	120						5	4						9														
1.17	EN1M0905-0906	Issiqlik texnikasi va gidroenergetika	HEAT ENGINEERING AND HYDROPOWER	300	4	60		60	120	180		180	120						6	4							10														
1.18	EN1M0285	Yo'nalishga kirish	INTRODUCTION TO THE PROFESSION	180	3	30		42	72	108	180							6									6														
1.19	EN1M0907-0908	Elektrotexnik materiallar va elektr uskunalar montaji	ELECTRICAL MATERIALS AND EQUIPMENT INSTALLATION	300	4	60		60	120	180			150	150						5	5						10														
1.20	EN1M0909	Elektr yoritish va nurlatish	ELECTRIC LIGHTING AND IRRADIATION	180	3	30		42	72	108				180							6						6														
1.21	EN1M0910	Elektrotexnologiya	ELECTROTECHNOLOGY	180	3	30		42	72	108						180							6				6														
1.22	EN1M0911-0912	Elektr uskunalar ekspluatatsiyasi va texnik servis	OPERATION AND MAINTENANCE OF ELECTRICAL EQUIPMENT	300	4	60		60	120	180						180	150						5	5			10														
1.23	EN1M0913	Energiya tejamlorlik asoslari	FUNDAMENTALS OF ENERGY EFFICIENCY	150	2	30		30	60	90							150							5			5														
1.24	EN1M0914	Kompleks elektrlashtirishni loyihalash	DESIGN OF INTEGRATED ELECTRIFICATION SYSTEMS	150	2	30		30	60	90						150								5			5														
2.00	-	Tanlov fanlar	Elective modules	1770	25	318	0	390	708	1062	0	0	0	450	660	330	330	0	0	0	0	15	22	11	11	0	59														
2.01	EN1E1421	Muhandislik dasturiy ilovalari	ENGINEERING SOFTWARE APPLICATIONS	120	2	30		18	48	72				120							4						4														
	EN1E1422	Muhandislik dasturiy tizimlari	ENGINEERING SOFTWARE SYSTEMS	120	2	30		18	48	72				120							4						4														
2.02	EN1E1259	Elektr chizmachilik va CAD	DRAWING ELECTRICITY AND CAD	180	3	30		42	72	108				180							6						6														
	EN1E1260	Elektrotexnik chizmachilik va CAD	ELECTRICAL ENGINEERING DRAWING AND CAD	180	3	30		42	72	108				180							6						6														
	EN1E1950	Elektr amaliyoti asoslari	ELECTRIC BASIC PRACTICE	150	2	30		30	60	90				150							5						5														
2.03	EN1E1951	Elektr simlarini ulash amaliyoti	ELECTRICAL WIRING PRACTICE	150	2	30		30	60	90				150							5						5														
2.04	EN1E1952	Elektr tizimlarini rele himoyasi va avtomatikasi	RELAY PROTECTION AND AUTOMATION OF POWER SYSTEMS	120	2	18		30	48	72					120							4					4														
	EN1E1953	Rele himoyasi	RELAY PROTECTION	120	2	18		30	48	72					120							4					4														
2.05	EN1E1405	Mikroprotessor texnologiyasi	MICROPROCESSOR TECHNOLOGY	180	3	30		42	72	108					180							6					6														
	EN1E1954	Mikroprotessor tizimlari asoslari	FUNDAMENTALS OF MICROPROCESSOR SYSTEMS	180	3	30		42	72	108					180							6					6														
2.06	EN1E1955	Elektr tarmoqlari	ELECTRICAL NETWORKS	180	3	30		42	72	108					180							6					6														
	EN1E1956	Elektr ta'minoti tarmoqlari	ELECTRIC POWER SUPPLY NETWORKS	180	3	30		42	72	108					180							6					6														
2.07	EN1E1957	Raqamli mantiqiy sxemalar	DIGITAL LOGIC CIRCUIT	180	3	30		42	72	108					180							6					6														
	EN1E1958	Raqamli elektronika	DIGITAL ELECTRONICS	180	3	30		42	72	108					180							6					6														
2.08	EN1E1959	Avtomatik boshqaruv	AUTOMATIC CONTROL	150	2	30		30	60	90						150							5				5														
	EN1E1960	Sanoat boshqaruv tizimlari 1	INDUSTRIAL CONTROL SYSTEMS 1	150	2	30		30	60	90						150							5				5														
2.09	EN1E1407	Dasturlanuvchi mantiqiy kontrollerlar	PROGRAMMABLE LOGIC CONTROLLERS	180	3	30		42	72	108					180							6					6														
	EN1E1961	Sanoat boshqaruv tizimlari 2	INDUSTRIAL CONTROL SYSTEMS 2	180	3	30		42	72	108					180							6					6														
2.10	EN1E1431	Elektr mashinalari	ELECTRICAL MACHINES	150	2	30		30	60	90							150							5			5														
	EN1E1432	Energiya iste'molini boshqarish	ENERGY CONSUMPTION MANAGEMENT	150	2	30		30	60	90						150								5			5														
2.11	EN1E1962	Aqlli elektr tarmoqlarini himoyalash va avtomatlashtirish	SMART GRID PROTECTION AND AUTOMATION	180	3	30		42	72	108					180									6			6														
	EN1E1963	Elektr energetika tizimlarini himoyalash va avtomatlashtirish	ELECTRICAL POWER SYSTEM PROTECTION AND AUTOMATION	180	3	30		42	72	108						180								6			6														
3.00	-	Malakaviy amaliyot	Practical modules	1020	14	0	0	0	0	1020	0	0	0	0	0	120	0	900	0	0	0	0	0	4	0	30	34														
3.01	EN1P2198	Malakaviy amaliyot	PROFESSIONAL INTERNSHIP	120	2				0	120					120									4			4														
3.02	EN1P2199	Bitiruv oldi malakaviy amaliyot	PRE-GRADUATION PROFESSIONAL INTERNSHIP	900	13				0	900							900								30	30															
4.00	-	Yakuniy davlat attestatsiyasi	Final State attestation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
4.01	EN1A2280	Fanlararo yakuniy attestatsiya	FINAL CROSS-DISCIPLINARY EXAMINATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
	EN1G2329	Bitiruv malakaviy ishi (joyihasi)	GRADUATION QUALIFICATION WORK (PROJECT)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
Total for the 4 years (Compulsory and Elective modules)				6180	86	1197	39	1236	2472	3708	900	900	900	900	900	900	780	900	0	30	30	30	30	30	26	30	0	206													
Total for the 4 years				7200	100	1197	39	1236	2472	4728	900	900	900	900	900	900	900	900	0	30	30	30	30	30	30	30	30	240													