KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY named after K.I.SATPAYEV





CURRICULUM
of Educational Program on enrollment for 2024-2025 academic year

Educational program 8D06101 - "Software Engineering"
Group of educational programs 8D094 - "Information technologies"

	Form of study: full-time Name of disciplines	Cycle	of study: 3 ye	Total	Classroom	SIS	Form of	demic deg			raining base		non and
	Name of disciplines	Cycle	in credits	hours	amount	(including	control			e-to-race ii		ourse	ics and
Discipline code	e		in creats	nours	lec/lab/pr	TSIS) in hours	control	I course		3	4	5	6
								semester	semester	semester	1 ' 1	- 1	semester
CYCLE	OF BASIC DISCIPLINES (BD)								-				
		M-1	. Module of b	asic trai	ning (univer	sity compor	ient)						
CSE339	Scientific research methods	BD UC	5	150	2/0/1	105	Е	5					
LNG305	Academic writing	BD UC	5	150	0/0/3	105	Е	5					
				compone	nt of choice								
CSE344	Foundations of Software Engineering	np.										7	
CSE306	Big Date Storage Systems And Computations	BD	5	150	2/0/1	105	E	5			!	1	1
MNG350	Sustainability Science	CCH											
CYCLE	OF PROFILE DISCIPLINES (PD)		W— = 18			2						"	
		M-2. N	Todule of pro	fessional	activity (co	mponent of	choice)						
CSE343	Software DevSecOps				-			T .					
CSE307	High Load Distributed Computing	PD, CCH	5	150	2/0/1	105	Э	5					
CSE345	Software Architecture & Design		_		2/0/1								
CSE327	Predictive Analytics and Data Mining	PD, CCH	5	150	1/1/1	105	Э	5					l
CSESZI	redictive Allarvites and Data Willing		M 2	Dunation	oriented mo	dulo							
A A D250	In a second	BDUC		r ractice.	orientea ma	raute			10				
AAP350 AAP355	Pedagogical practice Research practice	PDUC	10 10						10	10			
AAF333	Research practice	PDUC			al research					10			_
		Laura		perimen	ai research	module							
AAP336	Research work of a doctoral candidate, including	RWDS	5					5					1
	internships and completion of a doctoral dissertation Research work of a doctoral candidate, including	UC RWDS	40						20	20			
AAP347	internships and completion of a doctoral dissertation	UC	40			1			20	20			1
	Research work of a doctoral candidate, including	RWDS						_					
AAP356	internships and completion of a doctoral dissertation	UC	60								30	30	
	Research work of a doctoral candidate, including	RWDS											
AAP348	internships and completion of a doctoral dissertation	UC	18										18
			M-5. N	Aodule o	f final attest	ation		-					
ECA303	Writing and defending a doctoral dissertation	FA	12	200210		1							12
	Total based on UNIVERSITY:	1.44	120					30	30	30	30	30	
									50		60		50

	Number of credits for the entire period	of study						
	Cycles of disciplines	Credits						
Cycle code			university component (UC)	component of choice (CCH)	Total			
BD	Cycle of basic disciplines		20	-5	25			
PD	Cycle of profile disciplines		10	10	20			
	Total for theoretical training:	0	30	15	45			
	RWDS				123			
FA	Final attestation	12			12			
	TOTAL:	12	30	15	180			

Decision of the Academic Council of Kazntu named after K.Satpayev. Protocol N 2 or " 1 1 20 14.

Decision of the Educational and Methodological Council of Kazntu named after K.Satpayev, Protocol No Cor " 9" 04 20 14 y.

Decision of the Academic Council of the Institute of Automation and Information Technology. Protocol Ne 2 or "29 " 02 20 4 y.

Vice-Rector for Academic Affairs

Acting Director of the Institute of A&IT

Head of the Department of Software Engineering

Specialty Council representative from employers, President of the Association of Innovative Companies of the SEZ "PIT", Ph.D.

Uskenbayeva R.K.

Kalpeeva Zh.B.

Abdoldina F.N.

Konysbayev A.Т.