

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

Educational program 8D06102 - "Machine Learning & Data Science" Group of educational programs 8D094 - "Information technologies"



	Form of study: full-time		of study: 3 ye					demic deg						
Discipline code	Name of disciplines	Cycle	Total amount in credits	Total hours	Classroom amount lec/lab/pr	SIS (including TSIS) in hours	Form of control	Allocation of face-to-face training based on courses and						
								I course		2 course				
								1 semester	2 semester	3 semester	4 semester	5 semester	6 semeste	
CYCLE	OF BASIC DISCIPLINES (BD)													
			Module of ba											
CSE339	Scientific research methods	BD UC	5	150	2/0/1	105	E	5						
LNG305	Academic writing	BD UC	5	150	0/0/3	105	E	5						
			co	mponen	t of choice									
CSE340	Machine Learning I	BD	5	150	2/0/1	105	E	5						
	Big Data Storage Systems And Computations	CCH												
MNG350	Sustainability Science	CCH												
CYCLE	OF PROFILE DISCIPLINES (PD)			.,										
		M-2. M	odule of profe	essional	etivity (com	ponent of c	hoice)							
					2/1/0	r								
CSE341	Machine Learning II	PD, CCH	5	150	_,	105	Э	5					1	
CSE327	Predictive Analytics and Data Mining				1/1/1								1	
CSE342	Applied Machine Learning Research Projects		5	150	1/1/1									
CSE304	Natural Language Processing	PD, CCH			2/1/0	105	Э	5						
			M 3 D	ractice c	riented mod	lula								
AAP350	Pedagogical practice	BD UC	10	I actice-u	Tiented mod				10					
	Research practice	PDUC	10	-			1		10	10				
MAESSS	research practice	FD CC		:	l research n	L dula				10				
	Research work of a doctoral candidate, including internships	RWDS	1 VI-4. EXP	erimenia	research n	loaule		1 5	_					
AAP336	Research work of a doctoral candidate, including internships and completion of a doctoral dissertation	UC)					,					0	
	Research work of a doctoral candidate, including internships	RWDS	40	_					20	20	_		_	
AAP347	and completion of a doctoral dissertation	UC	40						20	20				
AAP356	Research work of a doctoral candidate, including internships	RWDS						-		-	_	_	_	
	and completion of a doctoral dissertation	UC	60								30	30		
	Research work of a doctoral candidate, including internships	RWDS												
AAP348	and completion of a doctoral dissertation	UC	18										18	
	Janu completion of a doctoral dissertation	UC.	M-5 M	odule of	final attesta	tion		1						
ECA303	White and defending a destant discountries.	FA	12 12	ouule 01	Huai attesta	LIVA							12	
ECA303	Writing and defending a doctoral dissertation Total based on UNIVERSITY:	ra	12					30	30	30	30	30		
	TOTAL DASEG ON UNIVERSITY:								60		50		60 50	
									99		JU		JU	

	Number of credits for the entire period o	f 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 or "11 " 04 204 y.

Decision of the Educational and Methodological Council of Kazntu named after K.Satpayev. Protocol No. or "19" 04 20 4 v.

Decision of the Academic Council of the Institute of Automation and Information Technology. Protocol Me or "19 " 2011 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.

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