

Ministry of Science and Higher Education of the Republic of Kazakhstan
«Korkyt Ata Kyzylorda University»

**SEOULTECH Joint Educational Program Development Plan
6B06303 - Cybersecurity
for 2025–2029**

Kyzylorda, 2025

APPROVED

at a meeting of the Committee on Academic Quality of the Institute of Artificial Intelligence ,

Protocol No. 1 dated "29" 08 2025

Chairman  Kulmurzaev N.S.



1. BASIC DATA

1. **Responsible university:** Kyzylorda University named after Korkyt Ata
2. **Affiliate university :** Seoul National University of Science and Technology (SeoulTech), South Korea
3. **Implementation period:** 2025–2029.
4. **Target audience:** School and college graduates, undergraduate students
5. **Format:** In-person learning, combined (online and offline)
6. **Languages of instruction:** English, Russian, Kazakh
7. **Educational areas:** Artificial intelligence, programming, cybersecurity, machine learning

1. MAIN TASKS OF EDUCATIONAL PROGRAM DEVELOPMENT

Strategic Direction 1. Expanding access to the university's educational services

No.	Performance indicators (share, percentage, quantity)	Units of measurement	2025	2026	2027	2028	2029
1.	Contingent of students	person	100	200	300	400	400
2.	The contingent of students after secondary technical, vocational or secondary education (accelerated training)	person					
3.	The contingent of students after higher education	person					
4.	Admission to the daytime program training, 4 years	person	100	100	100	100	100
5.	Admission to the accelerated form training (3 years, 4 years)	person					
6.	Release	person			100	100	100

Strategic direction 2. Innovative security educational activities

No.	Performance indicators (share, percentage, quantity)	Unit amend	2025	2026	2027	2028	2029
1.	Results of the rating of OP NCE Atameken	place	3	2	2	2	2
2.	Accreditation of the OP	fact			+		
3.	Development of an educational program with the participation of large companies, national companies, government agencies, and associations and employers	fact	1	1	1	1	1
4.	Updating the OP to meet labor market requirements	fact	+	+	+	+	+
5.	Number of people involved the educational process of specialists in the relevant field	person	1	3	4	4	4
6.	The share of teaching staff with an academic degree in OP	%	60	60	80	80	80
7.	The number of teaching staff who have completed advanced training courses in subject area	person	10	10	15	15	20

8.	The share of graduates of the OP, employed in the first year after completing studies (from the total number of graduates)	%			90	95	95
9.	Percentage of university graduates participating in the assessment of the quality of educational services (full-time education)	%			100	100	100
10.	Number of employers participating in the assessment of the quality of specialist training	person	5	6	7	7	7
11.	The proportion of students participating in the assessment of the teaching activities of the teaching staff (full-time education)	%	100	100	100	100	100
12.	The proportion of graduates who have completed NKT threshold score (only for pedagogical specialties)	%	-	-	-	-	-
13.	Number of MOOCs developed by faculty members	units	2	3	6	8	10
14.	The share of those admitted to universities who have the Altyn Belgi badge, winners of international Olympiads and scientific project competitions of the last three years, winners of the presidential and republican Olympiads and scientific project competitions of the current academic year (awarded first, second and third degree diplomas) from their total number	%	20	30	30	40	40

Strategic Direction 3. International Cooperation and Internationalization

No.	Performance indicators (share, percentage, quantity)	Unit s of mea sure men t	2025	2026	2027	2028	2029
1.	Interuniversity partnership within the framework of the OP: SOP OP	units	1	1	1	1	1
	with a foreign university	units	1	1	1	1	1
	with a Kazakh university	units	-	-	-	-	-
2.	Number of disciplines on English language for OP	units	8	10	15	20	20

3.	The number of students participating in the external outgoing academic mobility program	person	10	10	20	20	20
4.	The number of students participating in the internal outgoing program academic mobility	person		5	5	10	10
5.	The number of students of the educational program participating in the internal incoming academic mobility program	person		5	5	10	10
6	Number of faculty members participating in the internal outgoing academic mobility program	person		1	1	1	2
7.	The number of faculty members participating in the internal program incoming academic mobility	person	1	1	1	2	2
8.	Number of attracted foreign scientists	person	2	2	4	4	4
9.	The number of teaching staff participating in the external program outgoing academic mobility	person		2	2	2	2
10.	Number of teaching staff teaching at in English	person	5	6	6	6	6

Strategic Direction 4. Development of an Innovative Ecosystem

No.	Performance indicators (share, percentage, quantity)	Unit s of mea sure men t	2025	2026	2027	2028	2029
1.	Number of faculty members participating in educational and research projects	person	6	15	20	20	25
2.	The number of PPPs involved in the implementation of fundamental and applied research	person	3	5	5	8	10
3.	Number of publications in editions included in the 1st, 2nd and 3rd quartiles according to the Journal Citation Reports of Clarivate Analytics or having a CiteScore percentile score in the Scopus database	units	2	3	6	8	10

4.	Number of publications of doctoral students' research articles in journals with a non-zero impact factor included in the ThomsonReuters/Scopus databases	units			2	2	3
5.	The number of research projects carried out within the framework of international cooperation	units	-	-	1	1	1
6.	Number of publications in editions, recommended by KKSON	units	2	4	5	7	10
7.	Number of publications by students	units	2	2	4	6	15
8.	The number of students participating in scientific research	person	2	2	2	3	3
9.	The number of students participating in scientific competitions	person	12	15	17	19	20
10.	The number of students participating in the republican Olympiads	person	2	4	8	10	20

Strategic Direction 5. Infrastructure Modernization

No.	Performance indicators (share, percentage, quantity)	Units of measurement	2024	2025	2026	2027	2028
1	Development of the computer park	units	8	9	12	15	17
2	Purchasing software provision	units	2	3	4	5	6
3	Purchasing laboratory equipment, etc.	units	1	1	1	1	1
4	Replenishment of the library collection	units	70	100	200	210	215
5	Purchasing furniture	units	5	8	8	10	12

RISK MANAGEMENT

The OP may face a number of risks that hinder the achievement of the goal and the achievement of target indicators.

Name the risks that may affect the achievement of the goal	Risk management activities
Failure to meet university admission targets due to the outflow of applicants to other regions of the country and to neighboring and distant countries, and, as a result, a decrease in the student body	- expansion and activation of career guidance work in city and regional schools and colleges; - opening of representative offices in neighboring and distant foreign countries

Increased competition in the market educational services from universities in related specialties	- strengthening career guidance work among school and college students, covering other regions of Kazakhstan and neighboring countries
Lack of specialized literature in English for students from multilingual groups	- to intensify the production of textbooks by the department's teaching staff themselves
Decrease in the relevance of the knowledge transmitted	-organization of feedback with students during and outside of class time on an ongoing basis; -inviting production specialists and foreign teachers to give lectures, conduct master classes, and work with students; -organization of educational classes with elements of dual education; - development of additional minor educational programs for students within the framework basic educational programs
Publication of scientific articles by faculty and staff in "predatory" journals	-organization of training seminars; - informing teachers about scientific journals and their statuses
Risk of decreased student participation in extracurricular activities	-development of an event to increase students' motivation to participate in extracurricular activities

Director of the Institute of Artificial Intelligence



N.S. Kulmurzaev