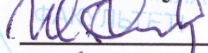


«Approved»

Dean of the Faculty of Information  
Technologies

NP JSC «L.N.Gumilyov Eurasian national  
university»

  
« 17 » 06 2021 y.

**Development plan of the educational program 6B06306 - "Information security systems"  
for 2021-2025**

№ III	Name of the strategic direction, goals and objectives	Measures for the implementation of the strategic direction	Responsible person	Expected results	Implementation period				
					2021	2022	2023	2024	2025
1	2	3	4	5	2021	2022	2023	2024	2025
<b>Strategic direction 1. Science and innovation, commercialization and technology transfer “ENU - INNOVATION UNIVERSITY”</b>									
Goal 1. Ensuring the competitiveness of research and innovation results at the international level									
1.1	TASK 1.1. To improve the quality and effectiveness of scientific research	Participation of students in scientific conferences (university, national, international), competitions of scientific papers, in the presentation of the results of their own research at scientific seminars of the department	Responsible at the department for research work and students research work. Teaching staff of the department.	Improving the level of training of students and obtaining new competencies, increasing the number of reports at scientific conferences and seminars	+	+	+	+	+
1	2	3	4	5	2021	2022	2023	2024	2025
1.2	TASK 1.1. To improve the quality and effectiveness of scientific research	Publications of the results of students' research in domestic and foreign scientific publications	Responsible at the department for research work and students research work.	Increase in the share of publications of students (including jointly with the faculty of the department) in	+	+	+	+	+

			Teaching staff of the department.	Kazakh journals recommended by the Committee, and in foreign publications indexed in Scopus, Web of Science					
1.3	TASK 1.3. Modernize and digitize the scientific infrastructure.	Opening/modernization of educational/scientific specialized laboratories and organization of work on the development and use of the digital scientific platform elements (virtual laboratories, simulation modeling systems, digital services of the university infrastructure, digitized databases of educational and scientific publications)	Head of the department Responsible at the department for research work and students research work. Teaching staff of the department.	Increasing the number of modern teaching/scientific specialized laboratories and increasing the share of classes and research conducted using a digital platform	+	+	+	+	+

1	2	3	4	5	2021	2022	2023	2024	2025
<b>Goal 2. Increasing the contribution of science to the real sector of the economy</b>									
1.5	TASK 2.2. To ensure the effectiveness of the activities of commercialization structures	Involvement of students in the development and commercialization of students, masters startup projects, as well as in the implementation of department research work with business structures and enterprises of the city and country	Responsible at the department for research work and students research work. Teaching staff of the department.	Increase in the number of copyright certificates for intellectual property objects Increase in the number of young specialists in the acceleration program of the Youth Business Incubator	-	+	+	+	+
<b>Strategic Direction 2. Academic excellence “ENU - ACADEMIC EXCELLENCE UNIVERSITY</b>									
<b>Goal 1: International orientation of educational programs and ensuring the quality of personnel training</b>									
2.1	TASK 1.1. To ensure the quality of personnel training	Evaluating the quality of IS specialists through the procedures of independent certification of graduates in international and national certification centers	Head of the department. Teaching staff of the department.	Increasing the share of graduates who confirmed their qualifications, employed in the first year after graduation university under the state educational order	-	-	+	+	+

1	2	3	4	5	2021	2022	2023	2024	2025
2.2	TASK 1.1. To ensure the quality of personnel training	Training of teaching staff in new directions in science and technology, with the possibility of obtaining international certificates, including professional certificates from IT vendors	Head of the department. Responsible for the department for advanced training of teaching staff. Personnel Management Department	Improving the professional level of teaching staff, increasing the teachers number of certificates	+	+	+	+	+
2.3		Conducting competitions for filling vacant positions at departments, hiring on the basis of competitive selection and an objective approach to assessing compliance with educational requirements, professional competencies of candidates, practical experience of employees	Head of the department. Personnel Management Department	Increase in the proportion of teaching staff with a basic education, an academic degree and practical experience in the field of information security	+	+	+	+	+
2.4		Training of competitive staff on the international labor market: increasing the academic mobility of teaching staff and students, training of multilingual groups	Head of the department. Responsible in the department for international cooperation. Teaching staff of the department.	Increasing the number of teachers teaching in English and the number of subjects taught in English.	+	+	+	+	+
1	2	3	4	5	2021	2022	2023	2024	2025
2.5	TASK 1.2. Guarantee the quality of educational programs	Involvement of academic experts from partner universities (Kazakhstan and	Head of the department. Responsible in	Harmonization of the EP content with similar programs of	+	+	+	+	+

	at the international and national level.	foreign) in the examination of the educational program( EP), catalogs of disciplines and syllabuses of disciplines.	the department for international cooperation.	the Bologna Process countries					
2.6		Involvement of students and experts from state organizations and companies and professional associations in information security field on the examination of educational program, catalogs and syllabuses of the disciplines.	Head of the department. Responsible in the department for the practice and employment of students, for the development of the EP.	Obtaining expert opinions on the OP from students and practitioners in the field of information security. Harmonization of the EP content with the recommendations of stakeholders, as well as with the requirements of the National and Industry Qualifications Framework, professional standards.	+	+	+	+	+
2.7	TASK 1.2. Guarantee the quality of educational programs at the international and national level	Ensuring the quality of educational programs through their recognition at the international level, through accreditation procedures in international specialized agencies	Head of the department. Working Group on preparation for accreditation.	Obtaining an international accreditation certificate	+	+	+	+	+
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>
2.8	TASK 1.2. Guarantee the quality of educational programs at the international and national level	Confirmation of the EP quality through the recognition of the results of its implementation at the national level through participation in ratings (NCE "Atameken", IAAR, etc.)	Head of the department. Working Group on preparing information for ratings	Results of university and EP ratings	+	+	+	+	+
		Participation of students in	Responsible for	Increase in the number					

		contests, competitions held by state organizations, companies of IT-industry in order to prepare graduates to confirm their qualifications.	the department for research and development and teamwork	of students - participants and winners of specialized competitions					
2.9		Interviewing students in order to determine the degree of satisfaction with the quality and content of the educational process	Department of Education Quality Assessment. Academic group mentors	Correction of the EP content, catalogs of disciplines, syllabuses of disciplines, teaching methods based on the analysis of the results of the interview of students	+	+	+	+	+
<b>Strategic direction 3. Internationalization and improvement of international competitiveness</b>									
<b>“ENU – INTERNATIONAL UNIVERSITY”</b>									
Goal 1. Internationalization of scientific and educational activities									
<b>3.1</b>	TASK 1.2. To ensure the development of academic and management resources on the basis of international cooperation.	Attracting foreign scientists and teachers to give lectures on the disciplines of the educational program	Head of the department. Responsible for the Department for international cooperation. Teaching staff	Increase in the proportion of foreign professors involved in the implementation of the EP	+	+	+	+	+
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>
3.2	TASK 1.2. To ensure the development of academic and management resources on the basis of international cooperation	Involvement of foreign scientists for the implementation of joint scientific research	Responsible at the department for research work and students research work. Teaching staff of the department.	Increase in the proportion of foreign professors involved in the implementation of grant-funded research projects	+	+	+	+	+
3.3	TASK 1.2. To ensure the development of academic and	Preparation of joint publications with foreign scientists in the framework of	Responsible at the department for research work and	Increasing the proportion of joint publications with	+	+	+	+	+

	management resources on the basis of international cooperation.	joint scientific research	students research work.	foreign scientists					
<b>Strategic direction 4. Creation and modernization of an ecosystem for students and teachers</b> «ENU – DIGITAL UNIVERSITY»									
GOAL 1. Modernization of the infrastructure ecosystem of the University									
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>
4.1	TASK 1.1. Create safe and comfortable conditions for students	Extension of the modern educational and laboratory base for the implementation of the educational process and research in compliance with sanitary and epidemiological standards, equipping classrooms with equipment	IT Department. Head of the department. Teaching and support staff of the department	Increasing the proportion of students who are satisfied with the conditions and material -technical equipment of classrooms	+	+	+	+	+
4.2	TASK 1.1. Create safe and comfortable conditions for students	Providing support to students in the provision of collective use places (openspaces, co-working sites, etc.), removing barriers to meeting basic educational needs for inclusive education	Academic group mentors	Increasing the proportion of students who are satisfied with the conditions of study and accommodation	+	+	+	+	+
Goal 2. Creating a digital ecosystem									
4.3	TASK 2.3 . Create an intelligent learning system Smart. Learning. ENU	Use the Smart.Learning.ENU intelligent learning system for the individual educational trajectory of students of all levels using LMS, intelligent MOOC, a digital library and intelligent evaluation of learning outcomes.	Department of Digital Development and Distance Learning. Teaching staff of the department	Increase in the number of electronic resources (intelligent electronic textbooks in MOOC, etc.) introduced into the educational process.	+	+	+	+	+

The development plan of the educational program "6B06306-Information security Systems" was developed according to the Development Strategy of the NP JSC "L.N.Gumilyov ENU" for 2021-2025, the Development Strategy of the Faculty of Information Technologies for 2021-2025.

Considered at the meeting of the Department of "Information Security", the protocol № 11 from « 15 » 06 2021 y.

Approved by the Council of the Faculty of Information Technologies, protocol № 11 from « 17 » 06 2021 y.

Head of the Department «Information Security»  Satybaldina D.Zh. « 15 » 06 2021 y.