

Appendix 1. Diploma Supplement for the Degree Program "Ecology" (Bachelor's Degree)



I. DIPLOMA SUPPLEMENT

1. INFORMATION IDENTIFYING A HOLDER OF THE QUALIFICATION	
1.1. Surname	1.2. First name
1.3. Date of birth	1.4 Student ID number or code (if any)
2. INFORMATION IDENTIFYING THE QUALIFICATION	
2.1. Qualification title (if relevant) or title (mother tongue)	2.2 Main direction of training for qualification
Bachelor of Natural Science (jaratylystanu gylymdary bakalavry)	Ecology
2.3 Name and status of graduating institution (mother tongue)	
M.Auezov South Kazakhstan University (M. Áýezov atyndaǵy Ońtústik Qazaqstan ýniversiteti) is a university which has undergone external quality assurance by agency IQAA, that is certified to follow the European Standards and Guidelines [through registration in EQAR and membership in ENQA] in Kazakhstan with satisfactory results	
2.4 Name and status of institution (if differ from p.2.3), managing the research (mothertongue)	2.5 Languages of training / exam
See 2.3 above	Kazakh, Russian, English
3. INFORMATION ABOUT THE LEVEL AND DURATION OF THE QUALIFICATION	
3.1. Qualification level	3.2. Official duration of the program in credits and years
-Level 6 of NQF (see article 8), -First cycle QF-EHEA/Level 6 EQF	4 years /240 ECTS credits
3.3. Entrance Requirements	
Matura	
4. INFORMATION ABOUT THE PROGRAM AND LEARNING OUTCOMES	
4.1. Form of study	4.2. Learning outcomes of the program
Full-time	<ul style="list-style-type: none"> - Communicate freely in the professional environment and society in Kazakh, Russian and English, taking into account the principles of academic integrity and the culture of academic writing. - Demonstrate socio-cultural, professional development based on the formation of ideological, civil, spiritual and social responsibility, methods of scientific and experimental research. - Have information and computing literacy, use professional programs in professional activities.

- Demonstrate the integrity of thinking based on a deep study of the fundamentals of ecology, the principles of sustainable development for environmental education and enlightenment.
- Discuss theoretical and practical problems of animal, plant and biogeography ecology, biodiversity conservation, bioindication studies and methods of analysis and assessment of biodiversity at different levels of biosphere organisation, principles of sustainability and productivity of wildlife and ways to optimise it under the influence of anthropogenic factors.
- Assess environmental safety based on the analysis of geoinformation systems data on the state of the environment, organisation of state environmental monitoring, climate change, rational use of natural resources and waste disposal methods.
- Use in professional activity the principles of environmental legislation and other regulatory legal acts of the Republic of Kazakhstan in the field of forensic expertise, as well as the results of geoecological assessment of the use of minerals.
- Conduct comprehensive analyses of environmental data, forecast changes in the environmental situation and develop measures to reduce pollution in the development area and adjacent natural features.
- Calculate the dispersion of pollutants into the atmosphere, maximum permissible emissions and maximum permissible discharges, as well as environmental damage to the environment to assess the ecological condition of cities and industrial enterprises.
- Develop a set of measures for wastewater treatment, to reduce the environmental burden on water bodies and for the rational use of natural resources.
- Propose environmental protection measures to create low-waste and zero-waste technologies, to improve environmental performance based on the study of technological schemes of production, sources of waste

	generation, sanitary norms and regulations, waste collection, accounting and utilisation. - Work effectively individually and in a team, using research, entrepreneurial and leadership skills and self-education skills.
4.3. Information on the program, obtained individual credits, grades / points	

See transcript

4.4. Assessment system and a table of points distribution, if any	4.5. General classification of qualification (mother tongue) «Diploma with honors» (Úzdik diplom)																																																				
<table border="1"> <thead> <tr> <th>Local alphabetic system grade</th> <th>Local digital equivalent of apoints</th> <th>Percentage</th> <th>Local traditionalsystem grade</th> <th>ECTS grade</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>4.0</td> <td>95-100</td> <td rowspan="2">Excellent</td> <td rowspan="2">A</td> </tr> <tr> <td>A-</td> <td>3.67</td> <td>90-94</td> </tr> <tr> <td>B+</td> <td>3.33</td> <td>85-89</td> <td rowspan="3">Good</td> <td rowspan="3">B</td> </tr> <tr> <td>B</td> <td>3.0</td> <td>80-84</td> </tr> <tr> <td>B-</td> <td>2.67</td> <td>75-79</td> </tr> <tr> <td>C+</td> <td>2.33</td> <td>70-74</td> <td rowspan="4">Satisfactorily</td> <td rowspan="4">C</td> </tr> <tr> <td>C</td> <td>2.0</td> <td>65-69</td> </tr> <tr> <td>C-</td> <td>1.67</td> <td>60-64</td> </tr> <tr> <td>D+</td> <td>1.33</td> <td>55-59</td> </tr> <tr> <td>D-</td> <td>1.0</td> <td>50-54</td> <td>Satisfactorily</td> <td rowspan="2">D</td> </tr> <tr> <td>FX</td> <td>0.5</td> <td>25-49</td> <td rowspan="2">Unsatisfactorily</td> </tr> <tr> <td>F</td> <td>0</td> <td>0-24</td> <td></td> <td>F, FX</td> </tr> </tbody> </table>	Local alphabetic system grade	Local digital equivalent of apoints	Percentage	Local traditionalsystem grade	ECTS grade	A	4.0	95-100	Excellent	A	A-	3.67	90-94	B+	3.33	85-89	Good	B	B	3.0	80-84	B-	2.67	75-79	C+	2.33	70-74	Satisfactorily	C	C	2.0	65-69	C-	1.67	60-64	D+	1.33	55-59	D-	1.0	50-54	Satisfactorily	D	FX	0.5	25-49	Unsatisfactorily	F	0	0-24		F, FX	
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5. INFORMATION ABOUT THE QUALIFICATION STATUS

5.1. Access to further education	5.2. Access to professional status (if relevant)
Bachelor degree entitles their holders to be admitted to master study programs	

6. ADDITIONAL INFORMATION

6.1. Additional Information	6.2. Other information sources
The study program was accredited by the European accreditation agency ASIIN in 2019. Term of accreditation: 2026. Academic mobility in a foreign university for 1 semester.	About educational program, use: https://auezov.edu.kz About system of education, use: http://www.enic-naric.net/kazakhstan.aspx https://www.gov.kz/memleket/entities/sci?lang=ru https://enic-kazakhstan.edu.kz

7. CERTIFICATION OF APPLICATION

7.1. Date	7.2. Signature
7.3. Status (Rector)	7.4. Official seal

8. INFORMATION ABOUT NATIONAL HIGHER EDUCATION SYSTEM

Secondary education in Kazakhstan

Secondary education in Kazakhstan is mandatory and includes general primary, basic secondary, general secondary, technical and vocational education. For the first grade 6-7 years old children are accepted. Secondary education in Kazakhstan has three stages: primary (1-4 grades), basic (5-9 grades) and senior (10-11 grades). There are educational programs are created that are implemented in special schools for the fullest development of the potential opportunities of gifted children. Technical and vocational education is provided for 3-4 years in colleges and schools on the basis of general education on a competitive basis.

Higher Education in Kazakhstan

Higher Education in Kazakhstan is acquired on the basis of secondary education. School-leavers pass final and entrance exams in the form of a unified national test (UNT) or complex testing (for school-leavers of previous years) for admission to the university. After graduating HEI graduate receives a bachelor's or specialist degree. Second higher education in Kazakhstan is conducted only on a fee basis with accelerated training period of training.

Postgraduate education in Kazakhstan

To receive a postgraduate education in Kazakhstan it is necessary a bachelor's or master's degree. Training of scientific personnel is conducted in master and PhD doctoral education of universities. Kazakh citizens on a competitive basis have the right to be awarded the international "Bolashak" scholarship to study abroad. The duration in master education is 1-2 years, in PhD doctoral - 3 years.

In the Republic of Kazakhstan higher education institutions may be public and private. Nazarbayev University is recognized as the autonomous institution of education.

Degrees and qualifications

Degrees and qualifications in higher education and post-graduate education are awarded in accordance with the level of National framework of qualifications of the Republic of Kazakhstan, which is comparable to the European framework of qualifications.

Quality Assurance System

In Kazakhstan, all universities, regardless of their form of ownership, type and status undergo state control that is implemented in the form of: 1) state certification of educational institutions; 2) monitoring of the compliance with the legislation of the Republic of Kazakhstan on education and qualification requirements for educational activities.

1. State certification is a procedure performed by education authorities once every 5 years in order to monitor observance of the educational services provided by educational organizations, requirements of State and compulsory standards of education (SCSE). SCSE determines the range of general requirements for each level of education to the content of education, to the maximum amount of academic load of students, to the training level of trainees and the level of training and is mandatory for all educational institutions regardless of ownership, types and kinds.

2. Monitoring of educational institutions on observance of the legislation of the Republic of Kazakhstan on education and licensing is conducted in the form of inspection and other forms. In addition to the state control in Kazakhstan functions the system of natural recognition of the quality of education, which operates in the form of independent accreditation of universities and (or) educational programs implemented by them. Accreditation of educational institutions present itself a recognition procedure by accrediting body a compliance of educational services with established standards (regulations) of accreditation with the purpose of providing the

publicity of objective information about their quality and confirming the presence of effective mechanisms for its increase. Educational institutions are eligible to voluntarily undergo the national and international institutional, specialized accreditation in accreditation bodies entered in the register of the authorized body in the sphere of education. Educational institutions that have passed institutional and specialized accreditation procedures are exempt from state certification by the accredited educational programs (specialties) for a period of accreditation, but not more than 5 years.

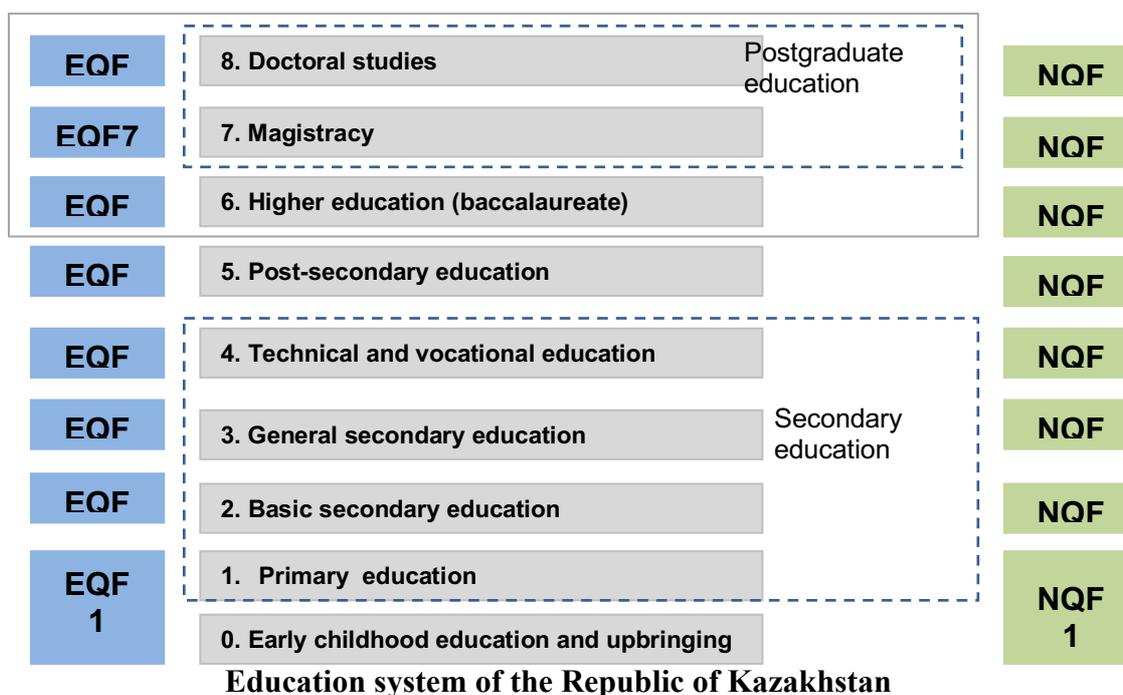
Credit system

Since 2004, the credit technology of training are introduced into all higher education institutions of the republic that involves the training on the basis of self-selection and planning of study subjects sequence by students using credit as a unified unit of training volume measure of the learner and the teacher.

In 2018 Kazakhstan adopted new academic credits. A workload of one Kazakh academic credit (30 academic hours) corresponds to 1 ECTS-credit (25-30 academic hours).

The system of higher and postgraduate education of the Republic of Kazakhstan

EQF level	NQF level	levels/cycles	Study period, year	Credit volume		Type of document
				RK	ECTS	
6	6	Bachelor	4	240	240	Diploma
		Special higher education	5	300	300	
7	7	Magistracy by profile	1-1,5	60-90	60-90	Diploma
		Scientific pedagogical magistracy	2	120	120	
8	8	Doctoral education	3	180	180	Diploma



Information sources

In the given document the references to the following documents were used:

1. State compulsory standard of higher and postgraduate education (Approved by an order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated by July 20, 2022 No. 2);
2. National Qualifications Framework (NRK) of the Republic of Kazakhstan, approved by Republican tripartite Commission on social partnership and regulation of social and labor relations from March 16, 2016;
3. Rules for organization of the studying process on credit training technology, approved by an order of the Minister of Education and Science of the Republic of Kazakhstan dated April 20, 2011, No. 152, with changes and additions dated by July 25, 2023, No. 334).