

Ministry of Education and Science of the Republic of Kazakhstan  
Pavlodar Pedagogical University



Approved

Dean of the Higher School of  
Natural Sciences

*V.N. Aliyasova*  
V.N. Aliyasova

*28.05.2020*  
2020

### DEVELOPMENT PLAN

Educational program "6B01541–Chemistry-Biology"  
for the years 2020-2024

Approved at the meeting of the  
EP Committee

*28.05.2020*  
2020,  
protocol № 7

No	Events	Term of execution	Responsible persons	Implementation mechanism
1	Creation of a commission for the development and updating of the EP	January 2020	Head of the EP	Engaging employers for discussion
2	Updating and improving the content of the EP, including the names of disciplines that define modern professional competencies	Every year	Head of the EP, Responsible for the practice	Discussion at the meeting of the Higher School of Natural Sciences
3	Annual development of academic mobility of teachers	2020-2024 years	Teaching staff	- Invitation of foreign teachers to give lectures - Departure of teaching staff to other universities
4	Annual development	2020-2024	Responsible for	Internal and external

Pavlodar

Educational program "6B01541–Chemistry-Biology" was developed in accordance with SES, Professional standard of the teacher, the National framework of qualifications, and agreed with Dublin descriptors and European roomconvenience.

The educational program is formed on the basis of a competence-based approach to design and has a modular format.

Requirements for the admission of students to the educational program are determined by the type of admission rules for training in educational organizations that implement educational programs of higher and (or) postgraduate education.

Bachelor in the field of training 6B01541-Chemistry-Biology Can perform the official duties of a teacher of chemistry and biology in terms of conducting project, pedagogical (educational, including teaching chemistry and biology) and research activities.

The EP reflects the features of training bachelors with innovative thinking, advanced technologies in the field of modern chemical and biological methods of research and expertise, as well as teaching skills at the level of basic, secondary general education, as well as vocational schools.

The learning process is organized in the form of a series of lectures, seminars, practical and laboratory classes, conducting professional practices, preparing a course and thesis (project). In addition, students have the opportunity to attend conferences, seminars and various meetings to be able to participate in scientific discussions at the national and international level.

### DEVELOPMENT PLAN

#### Educational program "6B01541–Chemistry-Biology" for the years 2020-2024

№	Events	Term of execution	Responsible persons	Implementation mechanism
1	Creation of a commission for the development and updating of the EP	January 2020	Head of the EP	Engaging employers for discussion
2	Updating and improving the content of the EP, including the names of disciplines that define modern professional competencies	Every year	Head of the EP, Responsible for the practice	Discussion at the meeting of the Higher School of Natural Sciences
3	Annual development of academic mobility of teachers	2020-2024 years	Teaching staff	- Invitation of foreign teachers to give lectures - Departure of teaching staff to other universities
4	Annual development	2020-2024	Responsible for	Internal and external

	of academic mobility		scientific work and international relations	mobility
5	Participation of teaching staff in competitions of grant, program-target financing of scientific and scientific-technical activities	2020-2024	Head of the EP, Responsible for scientific work and international relations	Application for participation
6	Creating prerequisites for independent search and research activities of students in the framework of the experiment at all stages of training	The entire training period	Teaching staff	Inclusion of research and experimental work in the study of educational programs
7	Consultation of teaching staff students in the selection of relevant and practically significant topics of theses	Every year	Heads of theses	Creating a list of relevant and practically significant topics of theses, taking into account the proposals of employers
8	Activation of relations with foreign partners in order to implement joint research and publication of educational and methodological literature	The entire training period	Head of the EP, Responsible for scientific work and international relations	Conclusion of cooperation agreements
9	Ensuring the passage of professional and other practices by students	The entire training period	Head of the EP, Responsible for the practice	Conclusion of contracts
10	Advanced training, establishment of teaching staff	2020-2024 years	Head of the EP	Master's and doctoral studies, internships and involvement of teachers with academic degrees

Head of the EP



R. Mukanova