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	<i>Educational program</i> <b>6B10126 – Medical and preventive business</b>	

**Approved on Academic Council  
JSC "Astana Medical University",  
Protocol No. 7  
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from 24.05.2024**

**EDUCATIONAL PROGRAM**

**6B10126 "Medical and preventive business"**

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## **1. Passport of the educational program**

Field of Education	6B10 Healthcare
Direction of training	7M101 Healthcare
Group of educational programs	B089 (M144)
Educational program	" Medical and preventive business "
The purpose of the educational program	Ensuring high-quality training of specialists capable of meeting the needs of society in the area of sanitary and epidemiological well-being of the population, applying and developing advanced innovative information technologies in practice and science in order to strengthen the health of the population.
Type of educational program	New EP
Qualification level according to the national qualifications framework	6/7
Sectoral Qualifications Framework Skill Level	2.2 Sub-sector " Medical and preventive business "
Distinctive features of educational programs	-
Awarded academic degree	Master of Public Health
Awarded qualification	Hygienist, epidemiologist
Duration of training	5 years 4 years
Higher education profile	
Mission of the educational program	Training of professionals who will contribute to improving the sanitary and epidemiological situation and ensuring the well-being of the population by conducting research, providing consultations and developing preventive programs to improve public health.
Accreditation and certification of educational institutions	-
Requirements for the previous level of education of persons wishing to master the educational program	- on the basis of general secondary education, technical and vocational education, post-secondary medical education; - based on TaPE 09880100 – “Hygiene and Epidemiology”;
<b>Qualification characteristics of a graduate</b>	
List of specialist positions	Doctor of the Sanitary Committee epidemiological control (as well as territorial bodies); Doctor - hygienist; Epidemiologist; Hospital epidemiologist; Doctor of the sanitary-hygienic and toxicological laboratory; Employee of bacteriological, virological and especially dangerous laboratories; Medical College/University Lecturer; Researcher in the field of sanitary and epidemiological well-being; Expert in expert work and engineering services with the right to carry out this activity: examination of urban planning, pre-project and design and estimate documentation in the specialization: sanitary and epidemiological profile.
Field of professional activity	Health care, sanitary and epidemiological control, education, science, public administration, state expertise, sanitary supervision in operational-level troops, food industry, labor protection.
Functions of professional activity	ensuring sanitary control and epidemiological surveillance;

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	<p>planning, monitoring and evaluation of programs in the field of sanitary and epidemiological well-being; prevention and health improvement; education.</p>
Types of professional activity	<p>preventive sanitary supervision; current sanitary supervision; organizational and managerial; information and analytical; accounting and statistical; control and regulatory, including sanitary and epidemiological audit; health education; scientific research; pedagogical</p>

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## 2. Graduate competencies and learning outcomes

### 2.1 Competencies of the OP

No.	Competencies	RO	№ RO
<b>General competencies</b>			
	Evaluation and analysis	RO 1	Able to identify problems threatening the sanitary and epidemiological well-being of the population, as well as evaluate the effectiveness of epidemiological surveillance. Think critically and present information effectively: apply critical thinking skills in analysis, problem solving and making scientifically based decisions to improve results and ensure quality of work.
<b>Professional competencies</b>			
	Scientific and practical basis of public health	PO2	Uses modern knowledge about the causes of diseases for practice and management of the epidemic process, is able to evaluate the quality indicators of various environmental objects, professional activities, indicators of physical development of children and adolescents, formulate their own conclusions in the form of recommendations for disease prevention, conduct monitoring, analysis and forecasting of risks.
	Communications	PO3	Builds effective professional, interpersonal, interdisciplinary interaction with government bodies, organizations, the population, community members, and the media to effectively solve public health problems, including using modern educational, behavioral, and information technologies.
	Social and public significance and interaction for practice	PO4	Capable of assessing the public health system, contributes to the system of measures to ensure sanitary and epidemiological well-being, participates in the development of partnerships with the community to support epidemiological safety, develops programs of activities at the national, regional and population levels to achieve socially significant results.
	Management of professional activities (current, strategic planning and leadership)	RO5	Capable of learning throughout professional activity, promoting the creation and dissemination of knowledge and practical skills applicable to ensuring the sanitary and epidemiological well-being of the population. Think critically and effectively present information, analyze and solve problems and make decisions on the implementation of scientifically based decisions on current and strategic planning and management in the field of prevention and ensuring environmental safety.

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Leadership and systems thinking	RO6	Capable of organizing sanitary and epidemiological control of the environment, drinking water, products subject to state sanitary and epidemiological supervision (control), supervision of vital facilities, border protection from the import and spread of especially dangerous infections in order to develop measures to ensure the sanitary and epidemiological well-being of the population, including in emergency situations. Has analytical skills in strategic planning and improving activities aimed at ensuring epidemiological safety, demonstrates skills in comprehensive assessment of the health of the population.
Influencing Health Policy	RO7	Brings in and develops an epidemiological perspective on protecting the health of the population of the Republic of Kazakhstan, participates in the development of policies to ensure sanitary and epidemiological well-being.

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