

**STATE BORDER GUARD SERVICE OF UKRAINE**  
**Bohdan Khmelnytskyi National Academy of**  
**the State Border Guard Service of Ukraine**

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**APPROVED BY THE ACADEMIC COUNCIL  
OF THE ACADEMY**

**Head of the Academic Council**

**major-general \_\_\_\_\_ Oleksandr LUTSKYI**

(protocol №\_\_ of «\_\_» \_\_\_\_\_ 20\_\_)

**EDUCATIONAL PROGRAM**

**“Organization of activity of engineering and technical units of  
the State Border Guard Service of Ukraine ”**

**the first (bachelor’s) level of higher education**

**Specialty 252 “State Border Security”**

**Branch of knowledge 25 “Military Science, National Security,  
State Border Security”**

**Qualification: “State Border Security”**

**Professional qualification: “Officer of tactical level of the State Border  
Guard Service of Ukraine”**

**Specialization: “Organization of activity of engineering and technical units of  
the State Border Guard Service of Ukraine ”**

**The educational program comes into force on 01.08.2021**

**Rector of the National Academy**

**of the State Border Guard Service of Ukraine**

**major- general**

**\_\_\_\_\_ Oleksandr LUTSKYI**

(order №\_\_ of «\_\_» \_\_\_\_\_ 20\_\_)

**Khmelnytskyi 2020**

**Educational and professional program DEVELOPED****Project group leader**

colonel

Voodymyr SOBCHENKO

**Members of the  
project group**

lieutenant colonel

Andrii DOBROVOLSKYI

lieutenant colonel

Denys ZAKHARCHUK

**Educational and professional program INTRODUCED****Department:** *Vehicles and state border protection engineering support*

Protocol of \_\_\_\_\_ 20\_\_ . № \_\_\_\_\_

**Head of the department**

colonel

Serhii OSTASHEVSKYI

**Educational and professional program AGREED**

Scientific Board of Operational and Service Support Faculty

Protocol from \_\_\_\_\_ 20\_\_ № \_\_\_\_\_

**Head of the Faculty Scientific Board**

colonel

Ihor POCHEKALIN

**Head of the educational department**

colonel

Andrii SOROKA

« \_\_\_\_\_ » \_\_\_\_\_ 20\_\_ \_\_\_\_\_

## PREFACE

### Developed by a working group consisting of:

1. **Sobchenko Volodymyr Andriiovych** - Candidate of Technical Sciences, Deputy Head of the Department of Vehicles and Border Protection Engineering of Bohdan Khmelnytsky National Academy of the State Border Guard Service of Ukraine (guarantor of the educational program).
2. **.Dobrovolskyi Andrii** - Candidate of Technical Sciences, Associate Professor of the Department of Vehicles and Border Protection Engineering of Bohdan Khmelnytsky National Academy of the State Border Guard Service of Ukraine (member of the project group).
3. **Zakharchuk Denys Olehovych** – Candidate of Military Sciences, Associate Professor of the Border Guard Service Department of Bohdan Khmelnytsky National Academy of the State Border Guard Service of Ukraine (member of the project group).

### Reviews-responses of external stakeholders provided:

1. **Bukoiemskyi Serhii Leonidovych** – Deputy Director, Head of the Department of Armaments and Engineering and Technical Support of the Administration of the State Border Guard Service of Ukraine, Candidate of Technical Sciences.
2. **Fihura Oleh Volodymyrovych**, - Deputy Director, –Head of the Professional Training and Organization of Educational Activities Department of the Personnel Directorate of the Administration of the State Border Guard Service of Ukraine, the Candidate of Pedagogical Sciences, Associate Professor.

**Profile**  
**educational program in the specialty**  
**252 "Security of the state border" on specialization "Organization of activity of**  
**engineering and technical units of SBGS"**

<b>1. General information</b>	
<b>Full name of the higher educational institution and structural unit</b>	Bohdan Khmelnytskyi National Academy of the State Border Guard Service of Ukraine. Department of Vehicles and Engineering of State Border Protection.
<b>Higher education degree and title of qualification in the original language</b>	Bachelor of State Border Security. Tactical level officer of the State Border Guard Service of Ukraine.
<b>The official name of the program</b>	Organization of activity of engineering and technical units of the State Border Guard Service of Ukraine.
<b>Type of diploma and scope of the program</b>	Single, 240 ECTS credits, 3 years 10 months of study.
<b>Availability of accreditation</b>	Not accredited
<b>Cycle / level</b>	NRC of Ukraine - level 6, FQ-EHEA - 1 cycle, EQF-LLL - level 6.
<b>Prerequisites</b>	Complete general secondary, professional (vocational), professional pre-higher education.
<b>Language (s) of instruction</b>	Ukrainian.
<b>Term of the educational program</b>	Until the renewal or implementation of a new educational and professional program in connection with changes in the regulatory framework or the results of accreditation (not more than the accreditation period)
<b>Internet address of the permanent placement of the educational program</b>	<a href="https://nadpsu.edu.ua">https://nadpsu.edu.ua</a>
<b>2. The purpose of the educational program</b>	
<p>Training of specialists in the field of "Military Sciences, National Security, State Border Security", able to organize the activities of engineering and technical units of the State Border Guard Service of Ukraine and ensure their performance of tasks in the area of responsibility of the state border guard.</p> <p>Providing academic education that ensures the opportunity for further study in educational programs of the second (master's) level of higher education in the relevant field of knowledge.</p>	
<b>3. Characteristics of the educational program</b>	
<b>Subject area (field of knowledge, specialty, specialization)</b>	Field of knowledge - 25 "Military sciences, national security, security of the State border". Specialty - 252 "State Border Security". Specialization - "Organization of engineering and technical units of the State Border Guard Service of Ukraine."
<b>Orientation of the educational program</b>	The educational program is focused on the formation of professional competencies of specialists in the field of state border security, aimed at the ability to solve specialized tasks of organizing the engineering and technical units of the State Border Guard Service of Ukraine and ensuring their tasks in the area of state border guard.

<b>The main focus of the educational program and specialization</b>	Special education in the field of knowledge 25 "Military sciences, national security, security of the state border" in the specialty 252 "The State Border Security". Key words: operational and service activity, body (unit) of state border protection, auto technical and armored service, engineering service, protection of state border and sovereign rights of Ukraine in its exclusive (maritime) economic zone.
<b>Peculiarities of the program</b>	The program provides training for higher education professionals in the field of state border security, taking into account the unified standards for the training of EU border guards (Common Core Curriculum - 2017), provides practical training in border guard units.
<b>4. Suitability of graduates to employment and further training</b>	
<b>Suitability for employment</b>	Primary positions of officers of the State Border Guard Service of Ukraine (other military formations formed in accordance with the laws of Ukraine), according to the VOS: 100100, 101000, 101300, 101500, 260200, 261000, 261001, 261400 according to the orders of the Head of the State Border Guard Service of Ukraine dated September 25, 2007 № 751 for service use and the Administration of the State Border Guard Service of Ukraine dated April 13, 2017.
<b>Further training</b>	Opportunity to continue training in the programs of the second cycle of higher education (NQF - 7 level, FQ-EHEA - second cycle, EQF-LLL - 7 level) with obtaining the professional qualification of officer of operational and tactical level.
<b>5. Teaching and assessment</b>	
<b>Teaching and assessment</b>	Passive ( <i>explanatory-illustrative</i> ) and active (problem-based, interactive, design, information-computer self-developing) learning technologies - according to the dominant methods and techniques. Technologies of collective and integrative learning - by organizational forms. Technologies of positional and contextual learning, technology of cooperation - in the orientation of pedagogical interaction. Activity and competence-oriented technologies. Practical implementation of combat training tasks.
<b>Assessment</b>	Forms of control: oral and written questioning, tests (including computer testing), field training defense, reports for individual tasks, different kinds tests, exams, certification. Assessment of academic achievement is carried out: - current control - on a four-point scale ("excellent", "good", "satisfactory", "unsatisfactory"), verbal scale ("credited", "not credited"); - final control - on the national four-point scale ("excellent", "good", "satisfactory", "unsatisfactory"), ECTS scale ("A", "B", "C", "D", "E", "FX", « F »); 100-point scale; verbal scale ("credited", "not credited").
<b>Form of certification of applicants for higher education</b>	A comprehensive qualification exam of military-applied direction and a comprehensive qualification exam on the activities of engineering and technical units of the State Border Guard Service of Ukraine.
<b>6. Program competencies</b>	
<b>6.1. Integral competence</b>	

<b>IC-1</b>	Ability to solve complex specialized tasks and practical security problems of the state border or training, characterized by complexity and uncertainty of conditions, which involves the application of theories and methods of systems analysis and research of operations, management, armed struggle, state border protection and law enforcement activity.
<b>6.2. General competencies</b>	
<b>GC-1</b>	The ability to act socially responsibly and consciously.
<b>GC-2</b>	Ability to make founded decisions.
<b>GC-3</b>	Ability to adapt and act in a new situation.
<b>GC-4</b>	Ability to plan and manage time.
<b>GC-5</b>	Knowledge and realization of the subject area and understanding of professional activity.
<b>GC-6</b>	Ability to work in a team.
<b>GC-7</b>	Ability to communicate with representatives of other professional groups of different levels (with experts from other fields of knowledge / types of economic activity).
<b>GC-8</b>	Ability to communicate in a foreign language.
<b>GC-9</b>	Ability to learn and master modern knowledge.
<b>GC-10</b>	Ability to system thinking, analysis and synthesis.
<b>GC-11</b>	Skills in the use of information and communication technologies.
<b>GC-12</b>	Ability to act on the basis of ethical considerations (motives).
<b>GC-13</b>	Appreciation and respect for diversity and multiculturalism.
<b>GC-14</b>	Safe activities skills.
<b>GC-15</b>	Ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the supremacy of law, human and civil rights and freedoms in Ukraine.
<b>GC-16</b>	Ability to preserve and multiply moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of nature and society knowledge and in the development of society, technics and technology, to use different types and forms of physical activity for active recreation and a healthy lifestyle.
<b>6.3. Special (professional, subject) competencies</b>	
<b>6.3.1. Professional competencies of the specialty</b>	
<b>SC-1</b>	Ability to apply the legal framework of the state and the basics of Ukrainian legislation concerning the powers of the state, human rights to ensure the national security of Ukraine, security of the state border, armed struggle and protection of democratic values.
<b>SC-2</b>	Ability to use the historical experience of wars and military conflicts, to maintain the traditions of border service.
<b>SC-3</b>	Ability to form a system and processes for ensuring state border security, models of integrated border management, subsystems for state border protection organization, to apply methods of action of forces and means (including service animals), to evaluate their effectiveness.
<b>SC-4</b>	Ability to apply tactics of general military combat and combat operations of border units, methods of units actions, to provide combat, resource, engineering and technical support and communication in the unit in different operating conditions and various forms of operational and service activities.
<b>SC-5</b>	Ability to formulate a system of values, to act socially responsibly, impartially, as a representative of the state, guided by the law.
<b>SC-6</b>	Ability to collect, process, evaluate and analyze information from various sources, use information processing methods, risk profiling, criminal analysis and forensics, use specialized software to assess the situation, make decisions and evaluate the effectiveness of units.

<b>SC-7</b>	Ability to ensure the readiness of the subordinate unit to perform the tasks assigned to it, to apply methods of personnel training and work with the personnel of the unit.
<b>SC-8</b>	Ability to manage the unit during the preparation and conduct of various forms of operational and service actions, types of combat in different conditions.
<b>SC-9</b>	Ability to organize a system of state border protection in the area of responsibility of the unit, assess its condition, perform border control and border service procedures, conduct operational and technical measures and investigative actions, coercive measures, conduct administrative proceedings, use staff weapons, equipment, technical and vehicles to perform tasks on state border protection, including acting as part of border patrols.
<b>SC-10</b>	Ability to assess the state of illegal activity and the enemy, to predict the most probable options for actions of offenders and the enemy in solving problems in various forms of operational and service activities and types of combat, to plan and organize preventive measures.
<b>SC-11</b>	Ability to give orders and instructions, ensure their implementation and take responsibility.
<b>SC-12</b>	Ability to individually, performing job responsibilities in different conditions.
<b>SC-13</b>	Ability to take into account psychological and other features of human behavior and their impact on the performance of the function of state border protection.
<b>SC-14</b>	Ability to act adequately in conditions of physical overload, emotionally negative phenomena, to manage stressful situations and conflicts, including in threatening and critical situations, to use techniques of psychological relaxation.
<b>SC-15</b>	Ability to drive basic machines of the unit, to organize the preparation of weapons and equipment for application and maintenance with the use of engineering knowledge and compliance with the requirements of a single system of design documentation.
<b>6.3.2. Professional competencies of specialization</b>	
<b>SCs-16</b>	The ability to organize technically correct operation of armored vehicles, engineering equipment and technical means of border protection of the State Border Guard Service and maintain them in constant readiness for use as intended, to control the operation and repair
<b>SCs-17</b>	The ability to use armored vehicles, engineering equipment and technical means of border protection, which are in service in the body (unit) of the State Border Guard Service, to know their design, procedure and rules of their operation, repair and evacuation
<b>SCs-18</b>	The ability to keep quantitative and qualitative accounting, accounting and reporting documentation for operation and repair, to plan and implement measures for the organization of operation, write-off of armored vehicles and engineering equipment of the State Border Guard Service, production equipment and property
<b>SCs-19</b>	The ability to organize the provision of the State Border Guard Service with armored vehicles, engineering equipment and engineering technical means of border protection, property, to prepare documents for the recovery of funds for the maintenance of equipment and technical means and control their costs
<b>SCs-20</b>	The ability to plan, organize and control technical training of BPB personnel and special training of personnel of BPB technical divisions
<b>7. Program learning outcomes</b>	
<b>7.1. Program learning outcomes in the specialty</b>	
<b>PLO-1</b>	To know the main events in the history of border protection, wars and military conflicts.
<b>PLO-2</b>	To know the legal basis for the functioning of the state and the system of national security of Ukraine; the structure of the national security and defense sector of the state, the peculiarities of the functioning and interaction of its components; basics of activity and structure of international and national organizations in the field of

	international relations and security of state borders in the conditions of integration processes.
<b>PLO-3</b>	To understand the tactics of criminals and organized criminal groups, ways of committing crimes; tactics of action of enemy units.
<b>PLO-4</b>	To understand the basic principles of management theories, state border security, armed struggle, the content of law enforcement, trends in their development and importance for solving professional problems.
<b>PLO-5</b>	To apply and comply with the provisions of regulations on border issues in official activities.
<b>PLO-6</b>	To organize the comprehensive operation of subsystems for the construction of state border protection, the use of forces and means in different conditions, all types of combat, resource and engineering support.
<b>PLO-7</b>	To apply the procedures of border control and border service, operational and investigative and operational and technical, law enforcement and law enforcement activities in different conditions, develop appropriate documentation, reports, compile procedural documents.
<b>PLO-8</b>	To perform the functions of management of general military and border units (decision-making, planning, motivation and control) in relation to daily and operational activities, combat operations in different conditions.
<b>PLO-9</b>	To organize professional training of personnel, preparation of border patrols and units to perform assigned tasks in different conditions.
<b>PLO-10</b>	To organize measures for the safety of life of the unit and staff in different conditions.
<b>PLO-11</b>	To organize measures for secrecy, protection of information and counteraction to technical means of intelligence.
<b>PLO-12</b>	To know a foreign language at the level of construction and installation work SLL2 according to the criteria of STANAG 6001.
<b>PLO-13</b>	To organize a comprehensive use of forces and means in the area of responsibility, their interaction with units of other agencies in accordance with the results of the analysis of the situation; identify risk profiles, synthesize forecast scenarios of the situation.
<b>PLO-14</b>	To assess the situation, the level of potential threats and challenges, impact, vulnerability, risk; to predict the development of the situation, the actions of offenders and the enemy.
<b>PLO-15</b>	To evaluate the effectiveness of officials and units in situations related to the implementation of tasks for the protection of the state border.
<b>PLO-16</b>	To manage the unit during the preparation and conduct of operational and service actions and combat, the implementation of daily activities in normal and extreme conditions, solve atypical tasks, give orders (orders), be responsible for their implementation, organize interaction and comprehensive support.
<b>PLO-17</b>	To follow the standards of the European Code of Ethics for Law Enforcement and National Ethics of Border Guards, the principles of human rights, the requirements of the standards of the culture of border service and border control, the principles of freedom and law; healthy lifestyle.
<b>PLO-18</b>	To organize measures of moral and psychological support of staff.
<b>PLO-19</b>	Responsible and positive attitude to their role at the state border.
<b>PLO-20</b>	To perform confidently techniques for personal safety and physical training, use special tools to the extent specified by law.
<b>PLO-21</b>	To use confidently the regular weapons of the unit; information systems, information technologies, data protection technologies, methods of processing, accumulation and evaluation of information, information and analytical work, databases (including



	interdepartmental and international), special software for solving professionally oriented tasks, including using mathematical methods; carry out procedures related to the inspection, maintenance, repair and use of means of communication, technical means of border protection and vehicles in the scope of the operating instructions.
<b>PLO-22</b>	To apply confidently the procedures of first aid and tactical medicine.
<b>PLO-23</b>	To perform confidently tricks with weapons and fire tasks with small arms.
<b>PLO-24</b>	To apply psychomotor skills and sequence of group actions as part of border patrols and units, maintenance of group weapons.
<b>PLO-25</b>	Driving in accordance with state standards, including in conditions of extreme driving.
<b>7.2. Program learning outcomes in specialization</b>	
<b>PLOc-26</b>	Organize operations of autotechnical and engineering support of the state border guard body, on staffing with armoured vehicles, engineering equipment and engineering technical means of border protection, property, on compliance with the requirements for the organization of their operation, repair and evacuation
<b>PLOc-27</b>	Organize internal service in SBPB parks, train personnel on restoration, maintenance and evacuation of equipment, train SBPB drivers
<b>PLOc-28</b>	Ensure constant readiness of the fleet of armored vehicles and engineering equipment, engineering technical means of border protection for its intended use.
<b>8. Resource support for program implementation</b>	
<b>Staffing</b>	To implement the educational program at the Faculty of State Border Security created the Department of Border Service; border control; general military disciplines; cynology; physical training and personal safety; fire and tactical special training. Departments of vehicles and engineering support of state border protection, logistics, general scientific and engineering disciplines, telecommunication and information systems have been established at the Faculty of Operational and Service Activities. These departments are staffed by research and teaching staff with degrees and academic titles, as well as highly qualified specialists. The Department of Border Guard Service, the Department of Vehicles and Engineering Support of the State Border Guard are responsible for the training of applicants for higher education in this specialty. Participation in the educational process of specialists of other educational and scientific institutions, establishments and organizations on the basis of concluded in the framework of international and interuniversity cooperation agreements / memoranda / protocols, as well as representatives of the relevant level of state border guards, regional administrations, State Border Guard Service Of Ukraine.
<b>Material and technical support</b>	Material and technical support meets the regulatory requirements for educational activities in the higher world. Provision of training facilities (including specialized classrooms and training laboratories), computer workstations, multimedia equipment meets the needs. All the necessary social and household infrastructure is available: libraries with reading rooms, canteens, a centre of culture and leisure, a conference hall, sports halls and playgrounds, a medical and sanitary part. Provision of higher education students with dormitories 100%.
<b>Information, educational and methodical support</b>	All educational components are secured with information and methodological materials, including electronic educational and methodical complexes in the modular learning environment system.
<b>9. Academic mobility</b>	

<b>National credit mobility</b>	The existence of bilateral agreements between higher educational institutions of Ukraine ensures national credit mobility. Credits received at other universities of Ukraine may be credited, provided that their acquired competencies correspond.
<b>International credit mobility</b>	In the framework of cooperation with the European Agency for the Protection of the External Borders of the Member States of the European Union Frontex, and on the basis of joint agreements between the NASBGS and partner universities.
<b>Training of foreign students obtaining higher education</b>	It is provided in case of conclusion of international agreements with observance of information security procedures.

## 2. List of components of the educational program and their logical sequence

### 2.1. List of components of the educational program

<b>Code EC</b>	<b>Component of the educational program</b> (academic disciplines, courseworks (projects), practices, qualification work)	<b>Number of credits</b>	<b>Form of final control</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Mandatory educational components</b>			
EC 01	History of Ukraine and Ukrainian culture	4	Exam
EC 02	Ukrainian language for specific purposes	4	Differentiated credit
EC 03	Philosophy	4	Differentiated credit
EC 04	Computer Science	3	Differentiated credit
EC 05	Safety of professional and personal life	3	Differentiated credit
EC 06	Principles of statistic analysis	4	Exam
EC 07	Pedagogy and psychology	3	Differentiated credit
EC 08	Sociology, ethics, aesthetics and religious studies	3	Differentiated credit
EC 09	Foreign language for specific purposes	10	Exam
EC 10	Border Guard Service	10	Exam
EC 11	Border Control	8	Exam
EC 12	General Tactics	15	Exam
EC 13	Physical education, personal security and the use of force	8	Exam
EC 14	Fire training	7	Exam
EC 15	Legal support of border protection	3	Differentiated credit
EC 16	Countering crimes and administrative offenses at the state border	3	Differentiated credit
EC 17	Security equipment of the border	4	Differentiated credit
EC 18	Logistics	4	Differentiated credit
EC 19	Moral and psychological support	3	Differentiated credit
EC 20	Основи управління персоналом	3	Differentiated credit
EC 21	Communication, software and hardware complexes of border units	3	Differentiated credit
EC 22	Information and analytical activities of border units	3	Differentiated credit
EC 23	Automotive support and driving of combat vehicles	4	Exam
EC 24	Practical training	3	
EC 25	Certification	1	Exam

<b>Code EC</b>	<b>Component of the educational program</b> (academic disciplines, courseworks (projects), practices, qualification work)	<b>Number of credits</b>	<b>Form of final control</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
EC 26	Basics of of hydraulics and hydraulic drives of SBGS vehicle	3	Differentiated credit
EC 27	Basics of design of SBGS vehicles	8	Exam
EC 28	Electrical engineering, electronics, microprocessor technology	4	Differentiated credit
EC 29	Electronic and electrical equipment of SBGS vehicles	4	Differentiated credit
EC 30	Activity of technical support service	4	Differentiated credit
EC 31	Technical operation of SBGS vehicles	9	Exam
EC 32	Basics of diagnostics and maintenance of SBGS vehicles	4	Differentiated credit
EC 33	Organization of repair of armaments and equipment in BPB	4	Differentiated credit
EC 34	Organization of automobile transportation in BPB	3	Differentiated credit
EC 35	Vehicle training	7	Differentiated credit
EC 36	Border guard engineering support	4	Differentiated credit
EC 37	Practical training	6	
<b>Total amount of core component</b>		<b>180</b>	
<b>Selective educational components</b>			
	Selective EC 1 semester	4	
	Selective EC 2 semester	12	
	Selective EC 4 semester	8	
	Selective EC 5 semester	12	
	Selective EC 7 semester	8	
	Selective EC 8 semester	16	
<b>Total amount of selective educational component</b>		<b>60</b>	
<b>TOTAL AMOUNT OF EDUCATIONAL PROGRAM</b>		<b>240</b>	







### **3. Form of Certification of Applicants for Higher Education**

Certification of graduates of the educational and professional program "Organization of Activities of SBGS Engineering and Technical Units" in the specialty 252 "State Border Security" is carried out in the form of a comprehensive qualifying examination of military-applied direction and a comprehensive qualifying examination on activities of engineering and technical units of the State Border Guard Service of Ukraine according to the curriculum. It ends with the issuance of a standard document on assigning a Bachelor's Degree with the qualification of Bachelor of State Border Security and professional qualification of Tactical Level Officer of the State Border Guard Service of Ukraine.

Certification is carried out openly and publicly.

The term of certification is determined by the curriculum and schedule of the educational process.



#### 4. Matrix of correspondence of competencies to program learning outcomes

Program competencies	Program learning outcomes (PLO)																											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
<b>General competencies</b>																												
GC-1	+	+		+	+		+						+			+	+		+						+			
GC-2			+	+	+	+	+	+		+			+	+		+				+	+		+	+				
GC-3			+			+	+	+		+			+	+	+	+				+	+	+	+	+	+			
GC-4				+	+	+	+	+	+	+			+			+		+			+							
GC-5	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+				+			
GC-6						+	+	+	+				+			+		+					+	+	+			
GC-7		+				+	+	+			+	+	+			+	+											
GC-8												+																
GC-9			+						+			+					+		+		+							
GC-10			+			+	+	+					+	+	+	+					+			+				
GC-11							+					+	+	+							+							
GC-12					+		+								+		+	+										
GC-13							+		+			+					+	+	+									
GC-14					+	+	+			+			+	+							+	+	+	+	+	+		
GC-15		+															+		+									
GC-16	+	+		+													+				+							
<b>Professional competencies of specialty</b>																												
SC-1		+		+	+		+										+		+									
SC-2	+							+																				
SC-3					+	+	+						+			+							+	+				
SC-4						+		+								+					+		+	+				
SC-5	+	+		+	+		+						+			+	+		+							+		

Program competencies	Program learning outcomes (PLO(c))
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Program learning outcomes	Educational components (EC)																																								
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37				
PLO-19	+	+	+					+		+	+																														
PLO-20													+	+																											
PLO-21				+		+								+			+			+	+			+		+	+	+	+		+	+	+							+	
PLO-22																		+																							
PLO-23														+																											
PLO-24										+	+	+		+			+								+																+
PLO-25																								+															+		
PLOs-26																								+							+	+	+	+	+	+		+	+		
PLOs-27																								+							+	+			+	+			+		
PLOs-28																												+	+	+	+	+	+	+	+	+	+		+	+	

**Educational Program Guarantor**

Deputy Head of the Department of Vehicles and Engineering Support of the State Border Protection of Operational and Service Support Faculty of Bohdan Khmelnytskyi National Academy of the State Border Guard Service of Ukraine,

**Candidate of Technical Sciences**

Colonel

**Volodymyr SOBCHENKO**