

Profile of Educational Program

| General Information | |
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| Official name of educational program | Audit and consulting activity in occupational safety |
| Specialty | 263 Civil Defence |
| Branch of knowledge | 26 Civil Defence |
| Higher education degree and name of qualification in the original language | Bachelor, civil defence bachelor |
| Type of diploma and scope of educational program | Bachelor diploma, single, 240 ECTS credits, training period 3 years and 10 month |
| Accreditation availability | Accreditation certificate dated 06.09.2017 series HД № 2190226 valid until 01.07.2023 |
| Cycle/Level | First (bachelor) level Ukraine NQF – level 7 FQ-EHEA – first cycle EQF-LLL – level 6 |
| Requirements for the education level of the entrant | Availability of complete general secondary education |
| Teaching language(s) | Ukrainian |
| Term of validity of educational program | 5 years |
| The Aim of Educational Program | |
| | Training of specialists capable of solving complex specialized tasks and practical problems in the sphere of civil safety, which involves the use of theories and methods of hazard assessment, monitoring and prognostication of emergencies, prevention of emergencies, accidents, fires and occupational injuries and is characterized by complexity and uncertainty of conditions |
| Characteristics of Educational Program | |
| Subject area | <p>Subject area consists of three components:</p> <ol style="list-style-type: none"> 1. The object is a person – his health and life in the event of origin of threats at work and at home during emergencies; 2. The object is the territory of the country, public and private property – their protection and preservation in case of threat and emergencies; 3. The object is the interaction and reciprocal effect of chiefs, subordinates and colleagues in solving issues related to the prevention of emergencies, accidents, fires and occupational injuries. <p>The purpose of training is to train highly qualified professionals who are competent in the field of civil safety and are personally and professionally responsible for their actions.</p> <p>The theoretical content of the subject area is the notions, concepts, principles and methods used to assess the risk of hazards, monitoring and prognostication emergencies, responding to emergencies, preventing emergencies, accidents, fires and occupational injuries.</p> <p>Applicants for higher education in this subject area must master the knowledge aimed at creating and maintaining healthy and safe living conditions, ensuring human safety in everyday life, at work and in emergencies.</p> |

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| Orientation of educational program | Educational and professional |
| The main focus of the educational program and specialization | Special education in the field of occupational safety Key words: occupational safety, safety risk, prevention, occupational injuries, occupational diseases, international standardization and certification, investigation of accidents, electrical safety, fire safety. |
| Program features | The educational program provides the acquisition of competencies for conducting occupational safety audits in the sphere of civil safety |
| Suitability of graduates for employment and further education | |
| Suitability for employment | Professional activity as a specialist in the sphere of civil safety Graduates can work in professions according to the National Classification of Professions NC 003:2010: CP 2149.2 «Occupational Safety Engineer»; CP 2412.2 «Insurance Expert on Occupational Safety»; CP 3152 «Occupational Safety Inspector» |
| Further education | Obtaining a master's degree Acquisition of additional qualifications in the system of postgraduate education |
| Teaching and Grading | |
| Teaching and training | Implementation of student-centred approach, formation of a catalogue of courses, ensuring consistency between learning outcomes, formation of individual trajectory of students' learning, integration of modern information technologies in the educational process. |
| Grading | Credit-transfer system, which provides the grading of students for all types of classroom and extracurricular educational activities aimed at mastering the workload of the educational program. Written exams, practice report, essays, presentations of individual tasks. Intermediate modular control, final control in the form of exams and tests in relevant disciplines, calculation and graphic works, term papers and projects. Public defence of the bachelor's qualification work. |
| Program learning outcomes | |
| Program learning outcomes, fixed by standard | PLO 01. To analyze history issues, facts, problems and trends of the development of Ukrainian culture at their dialectical relationship. PLO 02. To master a culture of thinking, technology of assimilation of social experience at the level required to professional activity. PLO 03. To analyze social phenomena and processes at the level required to professional activity, to know normative and legal fundamentals of maintenance of civil protection, occupational safety, issues of normative regulation of maintenance of measures in the field of civil and technogenic safety of objects and territories. PLO 04. To apply the acquired knowledge of the legal basis of civil and occupational safety in practice. PLO 05. To develop texts and documents on professional activity issues, communicate in the Ukrainian professional language; to read and understand professional foreign language literature, using it in social and professional spheres; demonstrate culture of thinking and demonstrate skills in organizing cultural dialogue at the level required to professional activity. PLO 06. To explain the processes of influence of harmful and dangerous factors that occur in the event of dangerous situation; apply theories of protection of population, territory and environment from the damaging factors of sources of emergencies, required to professional activity |

knowledge of mathematical and natural sciences.

PLO 07. To choose the best measures and instruments aimed at reducing occupational risk, protecting the population, preventing emergencies.

PLO 08. To anticipate environmentally balanced activities, the required level of individual safety and mental health in case of typical dangerous events.

PLO 09. To use modern information technologies, database management systems and standard application programs packages in professional activities.

PLO 10. To develop and use technical documentation, in particular with the use of modern information technologies.

PLO 11. To identify physical, chemical, biological and psychophysiological harmful production factors and analyze the safety of production equipment.

PLO 12. To determine the technical condition of external and internal engineering networks and structures to estimate its compliance with the requirements of civil protection and technogenic safety.

PLO 13. To classify substances, materials, products, processes, services and economic subjects according to the degree of their danger.

PLO 14. To identify hazards and their possible sources, estimate the probability of dangerous events and their consequences.

PLO 15. To explain the nomenclature, classification and parameters of defeating factors of sources of technogenic and natural emergencies and the results of their influence.

PLO 16. To choose the best methods and apply means of protection against the effects of negative factors of chemical, biological and radiation origin.

PLO 17. To evaluate technical indicators and determine the state of emergency equipment, communications and facilities.

PLO 18. To explain the conceptual basis of monitoring of protected objects and know the automatic systems, devices and facilities intended for monitoring and controlling the condition of the monitored object, measuring its parameters and preservation of information about its state.

PLO 19. To know the types of automated early detection and alert systems, general technical characteristics and requirements to application of management, communication and alert systems in emergencies.

PLO 20. To demonstrate skills in carrying out measures of liquidation of emergencies and their consequences, wrecking and other urgent works.

PLO 21. To analyze and substantiate engineering, technical and organizational measures of civil protection, technogenic and industrial safety at facilities and territories.

PLO 22. To explain the requirements for ensuring safety and protection of economic subjects, safety regulations and requirements, identification, certification and maintenance of registers of high-risk and potentially dangerous objects.

PLO 23. To apply civil protection measures: to inform and notify the population; regarding to the shelter of the population in protective constructions of civil defence; on the evacuation of the population from the emergency zone and the live maintenance of the evacuated population in their safe places.

PLO 24. To provide for the safe functioning of the gas and smoke protection service, exploitation of sets of personal protective equipment for rescuers.

PLO 25. To organize and carry out training of the population to act in

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| | <p>emergency situations, trainings with the personnel of the subdivision; to inform specialists and non-specialists about information, ideas, problems, solutions and own experience in the field of professional activity.</p> <p>PLO 26. To know the properties of combustible substances and materials, the mechanism of combustion and explosion</p> |
| <p>Program learning outcomes, fixed by higher educational institution</p> | <p>PLO 27. To apply the categorical apparatus of psychology in the system of professional training and practical activities; take into account the main mental, socio-psychological and psychophysiological manifestations of personality; to perceive scientifically substantiated psychological interpretation of structural elements of personality psyche; to realize own mental sphere; to analyze various types of activities.</p> <p>PLO 28. To apply conflict management skills in professional activities, tools and strategies of their regulation and resolution.</p> <p>PLO 29. To use reasonably based principles, laws and rules of logical thinking in scientific knowledge and professional activity.</p> <p>PLO 30. To communicate effectively in a foreign language in the business environment.</p> <p>PLO 31. To apply the basic principles and methods of sociological science in solving professional issues.</p> <p>PLO 32. To analyze the features of cultural processes in the modern world; to make a comparative description of the main cultural centers of the modern world; analyze the patterns of cultural development of mankind; to draw historical parallels between the current cultural situation and the historical past.</p> <p>PLO 33. To substantiate the moral principles of social and professional relations on the basis of categorical analysis of ethical theories; to form a conscious sense of responsibility and moral self-improvement; to make compromise decisions in carrying out joint activities through ethical reflection; to analyze artistic sources in the context of modern aesthetic theories; to determine the artistic features of the cultural development of European civilization; the ability to express and justify own position on the values of the artistic heritage of mankind.</p> <p>PLO 34. To master the basic methods of intellectual property protection and apply the rules of registration of intellectual property rights.</p> <p>PLO 35. To carry out professional communication: create communicative products, to analyze communicative activities; adequately react to criticism, generate and argue new ideas; to exert a communicative influence on people, motivating them to activity; to prove own thoughts; identify, apply information and communication technologies; to develop skills of interpersonal interaction in the collective.</p> <p>PLO 36. To apply language, speech, linguistic, linguosociocultural and communicative skills for effective communication in a foreign language.</p> <p>PLO 37. To organize and carry out an audit of occupational safety in the organization</p> <p>PLO 38. To use international occupational safety standards to improve the state of occupational safety</p> <p>PLO 39. To develop effective civil safety management systems for the economic subject</p> |
| <p>Resource Providing of Program Implementation</p> | |
| <p>Cadre ensuring</p> | <p>The educational program is provided by scientific and pedagogical employees of appropriate scientific and professional direction, which level of qualification corresponds to the License contract for educational activities, approved by the Cabinet of Ministers of Ukraine dated December 30, 2015 № 1187 ((in editing of the Cabinet of Ministers of</p> |

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| | Ukraine dated May 10, 2018 № 347)) |
| Material and technical ensuring | <p>The state of material and technical base conforms to the requirements and provides the possibility of effective educational process and organization of research work.</p> <p>For preparing of applicants are used 3 specialized laboratories: “Specialized laboratory of occupational safety”, auditorium 202 in central building, “Specialized computer laboratory of civil defence”, auditorium 348 in academic building, “Laboratory of civil safety management”, auditorium 350 in academic building, and also specialized computer auditoriums of University with necessary equipment. The available premises (educational, training and production, common, sports and others) of the University correspond to sanitary norms and rules, state building norms of Ukraine</p> |
| Information, educational and methodical ensuring | <p>The content and quality of informational, educational and methodological ensuring corresponds to the requirements and is sufficient to ensure quality training in modern conditions. Information about educational programs, teaching, research and educational activities, the structure of the University, entrance regulations, announcements of events, news, etc. is popularized on the official website of the University (https://www.kname.edu.ua/). O.M. Beketov NUUE has a library, which includes scientific, student and fiction loans and reading rooms for 540 seats. The University has an electronic repository (http://eprints.kname.edu.ua/), which provides access to applicants to methodological and educational materials (educational and methodological complexes of disciplines, materials for independent and individual work of students, internship programs, etc.), as well as to the electronic version of the scientific and technical collection “Municipal economy of cities” and materials of scientific conferences. Students and teachers have access to the Moodle distance learning system (http://cdo.kname.edu.ua). All computers in the library are connected to the World Wide Web. The reading room provides access to Internet resources using Wi-Fi technology. Access to Web of Science and Scopus scientometric databases is available.</p> |
| Academic mobility | |
| National credit mobility | Opportunity to participate in national credit mobility programs at other Universities in the country, which provide training for bachelors in the specialty. |
| International credit mobility | <p>O.M. Beketov NUUE has 5 agreements currently in force within Erasmus + International Credit Mobility with the following foreign Universities, namely:</p> <ol style="list-style-type: none"> 1) Middle East Technical University, Ankara, Turkey (METU) 2) The Aristotle University of Thessaloniki, Greece 3) University of Nova Gorica, Slovenia 4) Estonian University of Natural Sciences, Tartu, Estonia 5) Lodz University of Technology, Poland |
| Training of foreign applicants for higher education | According to the O.M. Beketov NUUE Entrance Regulations |