Profile of Educational Program

General Information	
Official name of educational program	Occupational Safety
Specialty	263 Civil Defence
Branch of knowledge	26 Civil Defence
Higher education degree and name of qualification in the original language	Master, civil defence master
Type of diploma and scope of educational program	Master's diploma, single, 90 ECTS credits, training period 1 years and 4 month
Accreditation availability	Accreditation certificate dated 27.02.2018 series ND № 2190226 valid until 01.07.2024
Cycle/Level	Second (master) level Ukraine NQF – level 7 FQ-EHEA – second cycle EQF-LLL – level 7
Requirements for the education level of the entrant	Availability of bachelor's diploma, specialist diploma, master's diploma
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 field of civil protection, industrial and technogenic safety during practical activity or during the training which involves carrying out the researches and (or) implementing of innovations and characterized by complexity and uncertainty of conditions
Characteristics of Educational Program	
Subject area	The objects of studying and activity: automatic systems, equipment and devices designed to monitor and control the state of the monitored object; methods and models of emergency prognostication, risk assessment and management; measures and means of engineering protection of territories, protection of the population and territories in emergency situations, minimization of technogenic influence of the consequences caused by an emergency situation, mathematical, informational, technical, software and organizational support of these measures and means. The aim of training is to train highly qualified specialists for practical, managerial and research activities in the field of civil defense, industrial and technogenic safety. The theoretical content of the subject area are methods and techniques of optimization, design, modeling, development, adjustment and operation, as well as scientific research and production tests. Applicant for higher education in this subject area must master the knowledge, skills and abilities aimed at: - creation of development strategies in the field of civil protection, industrial and technogenic safety;

	- economic estimation of development systems (schemes) of protection or proposed engineering solutions; - development and realization of a complex of organizational, technical and special measures of civil protection and occupational safety, organization and implementation of modern technogenic and occupational risk management systems at enterprises and organizations; - implementation of organizational and legal measures to increase the efficiency of subordinate structures in accordance with their tasks; - monitoring, short-term and long-term projection of the situation on the basis of the received data; - organization of actions of forces and means of civil protection to eliminate the consequences of emergencies
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 of occupational safety in the field of civil safety
Suitability of graduates for employment and further education	
Suitability for employment	Professional activity as a specialist in the field 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 “Preventive Works Engineer”; CP 2412.2 “Technogenic and Ecological Safety Engineer”; CP 2412.2 “Expert on Work Conditions”
Further education	Continuation of obtaining of high education on the third scientific and educational) level of high education 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 master’s qualification work.

Program learning outcomes	
Program learning outcomes, fixed by standard	LO-1 To know and understand the fundamental and applied aspects of science related to technogenic and natural safety LO-2 To be able to use fundamental regularities in professional activity LO-3 To know basic concepts of civil protection, occupational safety, sustainable development and methodology of scientific knowledge LO-4 To integrate knowledge from different fields to solve theoretical and/or practical issues and problems LO-5 To know the legal and ethical standards for the assessment of professional activity, development and implementation of socially significant projects aimed at regulating technogenic and natural safety, maintaining health and ability to work of person in the work process LO-6 Ability to plan independently the implementation of research and/or innovation tasks and formulate conclusions based on its results, develop and present scientific articles, synopsis, abstracts, reports LO-7 To demonstrate the ability to organize collective activities and implement complex projects aimed at regulating technogenic and natural safety, maintaining health and ability to work of person in the work process, taking into account available resources and time restrictions LO-8 To know modern methods and tools for research and prognostication of risks and possible sources of emergencies, including methods and tools of mathematical and geoinformation modeling LO-9 To forecast and identify the areas of increased technogenic risk and pollution LO-10 To determine the probability of origin, trends and dynamics of emergencies, accidents and other dangerous occasions LO-11 Analyze the state and possible causes of emergencies, accidents at work, damages and estimate their consequences LO-12 To analyze legal, organizational, technical and other measures on civil protection, occupational and technogenic safety LO-13 To know the basics of design, expert-analytical assessment and researches LO-14 To perform expertise in the field of civil protection, construction projects and urban planning documentation LO-15 To estimate the level of danger in case of emergency (accident) and the capabilities of units created to perform tasks in the field of civil protection of the relevant functional directivity LO-16 Carry out the inspections of technical state, the state of ensuring civil protection, technogenic and industrial safety of facilities, buildings, structures, utilities and their certification LO-17 To demonstrate awareness of the latest principles and methods of protection of the population, territory, environment and property from emergencies, create models of new protection systems, develop and propose recommendations for the practical application of experimental results LO-18 To use modern information resources in the field of professional activity LO-19 Apply new approaches to develop decision-making strategies in complex unpredictable conditions LO-20 To perform and defense technical and economic calculations of increasing safety measures LO-21 To develop management systems for civil protection, occupational and technogenic safety of enterprises, institutions, organizations LO-22 Communicate a foreign language in scientific, industrial and social spheres of activity. Have the skills of public speaking, discussions, classes

	LO-23 To bring professional knowledge, own justifications and conclusions to the specialists of emergency services and formations and the general public
Program learning outcomes, fixed by higher educational institution	-
Resource Providing of Program Implementation	
Cadre ensuring	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
Material and technical ensuring	The state of material and technical base conforms to the requirements and provides the possibility of effective educational process and organization of research work. 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
Information, educational and methodical ensuring	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.
Academic mobility	
Національна кредитна мобільність	Opportunity to participate in national credit mobility programs at other Universities in the country, which provide training for masters in the specialty.
Міжнародна кредитна мобільність	Opportunity to participate in international credit mobility programs
Навчання іноземних здобувачів вищої освіти	–