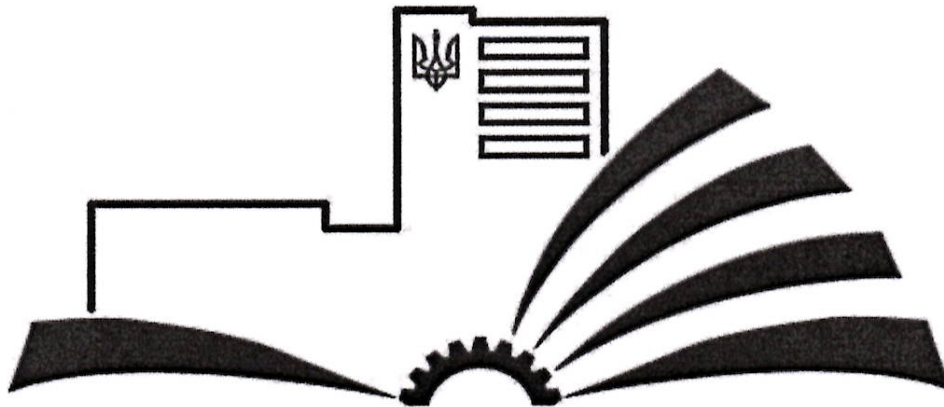**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE**
CHERNIHIV POLYTECHNIC NATIONAL UNIVERSITY

EDUCATIONAL-PROFESSIONAL PROGRAM

«Business Management»

Master's Level (Second Cycle) of Higher Education

Specialty 073 Management

Branch of Knowledge 07 Management and Administration

Qualification: Master in Management

APPROVED OF THE ACADEMIC COUNCIL

Head of the Academic Council

_____ / Serhiy Shkarlet /

(Protocol № 9 from «30» 08 2024)

Educational-Professional Program

Comes into effect from September 1st, 2024.

Rector _____ / Oleh Novomlynets /

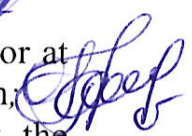(Oder № 162/вс from «30» 08 2024)

Chernihiv 2024

PREFACE

DEVELOPED BY
The project group, consist of:

Tkalenko Nataliia, Doctor of Economic Sciences, Professor, Professor at the Department of Management and Administration. Project Team Leader;

Rudenko Olha, Doctor of Public Administration, Professor, Head at the Department of Management and Administration, Member of the Project Team;

Popelo Olha, Doctor of Economic Sciences, Associate Professor, Professor at the Department of Management and Administration, Member of the Project Team;

Kosach Iryna, Doctor of Economic Sciences, Professor, Professor at the Department of Management and Administration, Member of the Project Team.

Based on the Higher Education Standard of Ukraine in the field of 07 Management and Administration, specialty: 073 Management at the second (master's) level, educational qualification: Master. Approved and implemented by the order of the Ministry of Education and Science of Ukraine dated July 10, 2019, No. 959.

External stakeholder reviews and feedback are attached:

Rector of the International Scientific and Technical
University named after Academician Yuriy Bugay,
Ministry of Education and Science of Ukraine,
Doctor of Economic Sciences, Professor   Veronika KHUDOLEY

Acting Director of the State Enterprise "E-Health"   Oleksandr YEMETS

Head at the Department,
LLC "TVK" Polus SP"   Ihor MYKHAILOVSKYI

1. MASTER'S DEGREE PROGRAM IN SPECIALTY 073 «MANAGEMENT»

1. General information	
Full name of institution of higher education and structural subdivision	Chernihiv Polytechnic National University Educational-scientific Institute of Business, Economics and Administration Department of Management and Administration
Full name of the qualification in the original language	Master's Level (Second Cycle) of Higher Education Qualification: Master in Management
The official name of the educational program	Educational-Professional Program «Business Management»
Type of diploma and the volume of the educational program, form of obtaining higher education	Master's degree, unitary, 90 ECTS credits, term of training is 1 year and 5 months, form of education - full-time (full-time)
Availability of accreditation	Accreditation Commission of the Ministry of Education and Science of Ukraine. Certificate of Accreditation for the Specialty 073 Management in Branch of Knowledge 07 Management and Administration, UD No. 26014101, dated November 4, 2020. Valid until July 1, 2024.
Cycle / Level	NRC of Ukraine - 7 level / Master's Level (Second Cycle) of Higher Education, QF-LLL - 7 Level, FQ-EHEA - Second Cycle,
Prerequisites	The availability of a bachelor's or master's degree is required for admission. for individuals who have obtained a previous level of higher education in other specialties, a verification of acquired competencies and learning outcomes is conducted, as defined by the higher education standard for the specialty 073 "Management" at the master's level. admission based on a bachelor's degree is carried out based on the results of the unified entrance exam (UEE/ЄВІ) and the unified professional entrance examination (UPEE/ЄФВВ) in accordance with the legislation
Language (s) of teaching	English
The term of validity of the educational program	Before replacing with a new one
The internet address for the permanent location of the program description	https://op.stu.cn.ua/view/total_view.php

2. The purpose of the educational program
The training aims to prepare highly qualified professionals, competitive experts in the management of business structures and processes, human capital, business administration, leaders, and business consultants. The graduates will possess systematic interdisciplinary knowledge and practical skills

for analyzing, studying, identifying, and solving complex non-standard tasks and practical problems in the field of business management in conditions of dynamic instability and digitization.

3. Characteristics of the educational program	
Subject area (branch of knowledge, specialty)	**Branch of Knowledge -** 07 «Management and Administration» **Specialty** – 073 «Management» **Master's Level (Second Cycle) of Higher Education** **Objects of study and/or activities:** management of organizations and their units in conditions of dynamic instability and digitization. **Educational goals:** training professionals capable of identifying and solving complex problems and issues in the field of management or during the learning process, involving research and/or innovation characterized by uncertainty of conditions and requirements. **Theoretical content of the subject area**: – paradigms, laws, regularities, principles, historical prerequisites for the development of management, business administration, and governance; – concepts of systemic, situational, adaptive, anticipatory, crisis, innovative, project management, business administration, etc.; – functions, methods, technologies, and managerial decisions in management, business administration, and governance. **Methods, methodologies, and technologies:** – general scientific and specific research methods (computational-analytical, economic-statistical, economic-mathematical, expert evaluation, factual, sociological, documentary, balance methods, etc.); – methods of implementing management, governance, and business administration functions (marketing research methods, economic diagnostics methods, forecasting and planning methods, methods of designing organizational management structures, motivation methods, control methods, methods of evaluating social, organizational, and economic efficiency in management, etc.); – management methods (administrative, economic, socio-psychological, technological); – technologies for justifying management decisions (economic analysis, simulation modeling, decision trees, etc.). **Tools and equipment**: modern information and communication equipment, information systems, and software used in management.
Orientation of the educational program	The educational-professional training of a master envisions the acquisition of competencies in the management of business structures and processes, human capital, business administration, analytics, and administration of contemporary business in conditions of dynamic instability and digitization
The main focus of the educational program and specialization	The educational-professional program is focused on preparing highly qualified professionals capable of engaging in professional activities in the field of managing business processes, business structures, human capital, business administration, and general management.

	Key words: managerial activities, organizational management and administration, business management, business processes, business structures, business administration, consulting, managerial decision-making, assessment of economic efficiency.
Features and differences	A distinctive feature of the program is a differentiated approach to preparing the modern generation of managers and entrepreneurs who can quickly respond to dynamic changes in the business environment. This is achieved through a combination of scientific-theoretical training in decision-making, strategy development, and the cultivation of a strategic vision for business and the industry. The program also includes methodologies for identifying and analyzing current management tasks for business structures and processes. Practical skills are emphasized, covering global trends, project management, finance, human capital, and other business resources. The program offers the possibility of preparing and defending qualification works (Master's theses) in English

4. Eligibility of graduates of the educational program for employment and further education

Eligibility for employment	Graduates of the program can pursue employment in various organizations across different economic sectors. The employment opportunities align with the Ukrainian National Classifier of Professions SC 003:2010, specifically under the codes 12-14, as well as other relevant codes specified by the employers of the graduates
Further education	They have the right to continue their education at the third (educational-scientific) level of higher education – Doctor of Philosophy. Acquisition of additional qualifications in the postgraduate education system; qualification enhancement, acquiring additional qualifications in the adult education system.

5. Teaching and evaluation

Teaching and education	Student-centered learning, competence-based learning, self-directed learning, problem-oriented learning, ensuring the formation of professional competencies for making independent managerial decisions in conditions of dynamic instability and digitization. Contact hours are structured in the form of lectures, guest lectures, seminars, and practical interactive sessions using discussion-based, training exercises, workshops, the case method, business and role-playing games, brainstorming, and situational modeling, including in a distance format. The independent work of the higher education learner includes: studying educational materials, completing individual assignments, preparing for practical and seminar sessions, participating in assessment activities, engaging in research work, reviewing professional scientific and scientific-methodical literature, and undertaking individual and/or group projects. Learners may also participate in international research projects, work in international, including virtual teams, etc. Individual work involves writing coursework, completing assessments, or graphical works. Individual assignments are carried out by the learner independently with guidance from the research and teaching staff.

	Consultation of learners can be conducted with the involvement of leading practitioners in the field of managing business structures and processes, human capital, business administration, and general management, including foreign experts. During their studies, learners utilize distance courses in the MOODLE system and electronic resources through the Internet network.
Evaluation	The knowledge assessment system includes continuous and final types of control. Continuous knowledge assessment is conducted through written assignments (tests), practical work, oral examinations, presentations, essays, quizzes, analytical tasks, and situational assignments. Final knowledge assessment is carried out through final credit works, differentiated credits, written and oral semester exams, and defense of practice reports and qualification work (Master's theses).

6. Software competencies

Integral competence (InC)	The ability to solve complex problems in the field of management or during the learning process, involving research and/or innovation under conditions of uncertainty and ambiguityг.
General competencies (GC)	**GC1**. Ability to conduct research at an appropriate level. **GC2**. Ability to communicate with representatives of other professional groups at different levels. **GC3**. Proficiency in using information and communication technologies. **GC4**. Ability to motivate people and work towards a common goal, leadership skills. **GC5**. Ability to act based on ethical considerations and motivations. **GC6**. Ability to generate new ideas, creativity. **GC7**. Ability for abstract thinking, analysis, and synthesis. **GC8**. Ability to make informed decisions. **GC9**. Ability for initiative and responsibility, skills in preventive and emergency planning for professional safety, decision-making in complex and unpredictable situations, leadership qualities, knowledge of international norms and legislation in Ukraine in the field of population safety, occupational health and safety management systems, and civil defense.
Professional competence of specialty (FC)	**FC1**. Ability to choose and use management concepts, methods, and tools in line with organizational goals and international standards. **FC2**. Ability to establish values, vision, mission, goals, and criteria for the organization's development, develop and implement corresponding strategies and plans. **FC3**. Ability for self-development, lifelong learning, and effective self-management. **FC4**. Ability to effectively use and develop organizational resources. **FC5**. Ability to create and organize effective communication in the management process. **FC6**. Ability to develop and demonstrate leadership qualities in people management. **FC7**. Ability to develop and manage projects, show initiative, and entrepreneurship. **FC8**. Ability to use psychological techniques in personnel management.

	FC9. Ability to analyze and structure organizational problems, make effective managerial decisions, and ensure their implementation. FC10. Ability to manage the organization and its development. FC11. Ability to develop business development programs, advocate business ideas. FC12. Ability to assess businesses and analyze development programs using key indicators. FC13. Ability to use management methods and tools in business processes, business administration, business research methods, consulting skills, and understanding diversity management. FC14. Ability to define business development directions, streamline business processes, and shape the social environment of business. FC15. Ability for critical thinking in managing business structures and processes, human capital, and development in the context of dynamic instability and digitalization.
7. Program learning outcomes	
Program learning outcomes (PLO)	**PLO1**: Critically analyze, choose, and apply the necessary scientific, methodological, and analytical tools for management in unpredictable conditions. **PLO2**: Identify organizational problems and justify methods for their resolution. **PLO3**: Design effective organizational management systems. **PLO4**: Justify and manage projects. Generate entrepreneurial ideas. **PLO5**: Plan organizational activities strategically and tactically. **PLO6**: Make, justify, and ensure the implementation of managerial decisions in unpredictable conditions, considering legal requirements, ethical considerations, and social responsibility. **PLO7**: Organize and conduct effective communication within the team, with representatives of different professional groups, and in an international context. **PLO8**: Apply specialized software and information systems to address organizational management challenges. **PLO9**: Communicate in professional and scientific circles in both the national and foreign languages. **PLO10**: Demonstrate leadership skills and the ability to form and work in a team, interact with people, and influence their behavior to solve professional tasks. **PLO11**: Ensure personal professional development and effective time planning. **PLO12**: Delegate authority and lead the organization or unit. **PLO13**: Plan and implement information, methodological, material, financial, and personnel support for the organization or unit. **PLO14**: Develop, implement, and adapt a system of management methods and tools in organizations of various types in conditions of environmental uncertainty, demonstrating consulting skills and understanding of diversity management in business structures. **PLO15**: Apply critical thinking principles and justify one's own point of view in the process of making managerial decisions in conditions of uncertainty in the business environment.

	PLO16: Coordinate functional management strategies, analyze the dynamics and structure of labor indicators, justify and implement modern quality management methods, plan and analyze financial and economic indicators of organizational activities. **PLO17**: Apply business research methods in unpredictable conditions of dynamic instability and digitization, demonstrating consulting skills and ensuring their implementation. **PLO18**: Understand cause-and-effect relationships and demonstrate skills in managing business structures and processes, human capital, self-management, and time management in conditions of dynamic instability and digitization
8. Resource support for the implementation of the program	
The main characteristics of staffing	The program involves academic staff with academic degrees and/or titles, corresponding to the profile and direction of the disciplines taught, as well as highly qualified specialists. To enhance their professional level, all academic staff undergo internships once every five years. For teaching disciplines in English, academic staff with at least a B2 level of proficiency in English are engaged. Practitioners in the field of business management, including business structures and processes, human capital, business administration, and general management, are also involved in the program implementation. This includes international experts as well.
The main characteristics of material and technical providing	The material and technical support meets the licensing requirements for providing educational services in higher education and is sufficient to ensure the proper quality of education throughout the entire training cycle for higher education seekers. The classrooms assigned to the department are equipped with the necessary technical teaching tools. Computer laboratories are equipped with modern personal computers and are connected to the university's local computer network, providing access to the Internet.
The main characteristics of informational and methodical support	The educational and methodological support of academic disciplines (syllabi, lecture summaries, teaching materials for practical (laboratory) classes, independent and individual work of higher education students, course papers, tasks for current and final knowledge assessment, a list of recommended literature, etc.) complies with the License Conditions and is available in the MOODLE distance learning system of Chernihiv Polytechnic National University. Students and academic staff of higher education have access to the library and information system, the scientific library of the University. The information resources of the library, according to the educational program, are formed in accordance with the subject area and modern trends in scientific research in the field. All resources of the Scientific Library of Chernihiv Polytechnic National University are accessible through both internal and external networks, providing access to the Scopus and Web of Science scientific databases.
9. Academic mobility	
National Credit Mobility	Implemented at the University in accordance with the current legislation and regulated by the Regulation on Academic Mobility of Participants in the Educational Process of Chernihiv Polytechnic National University

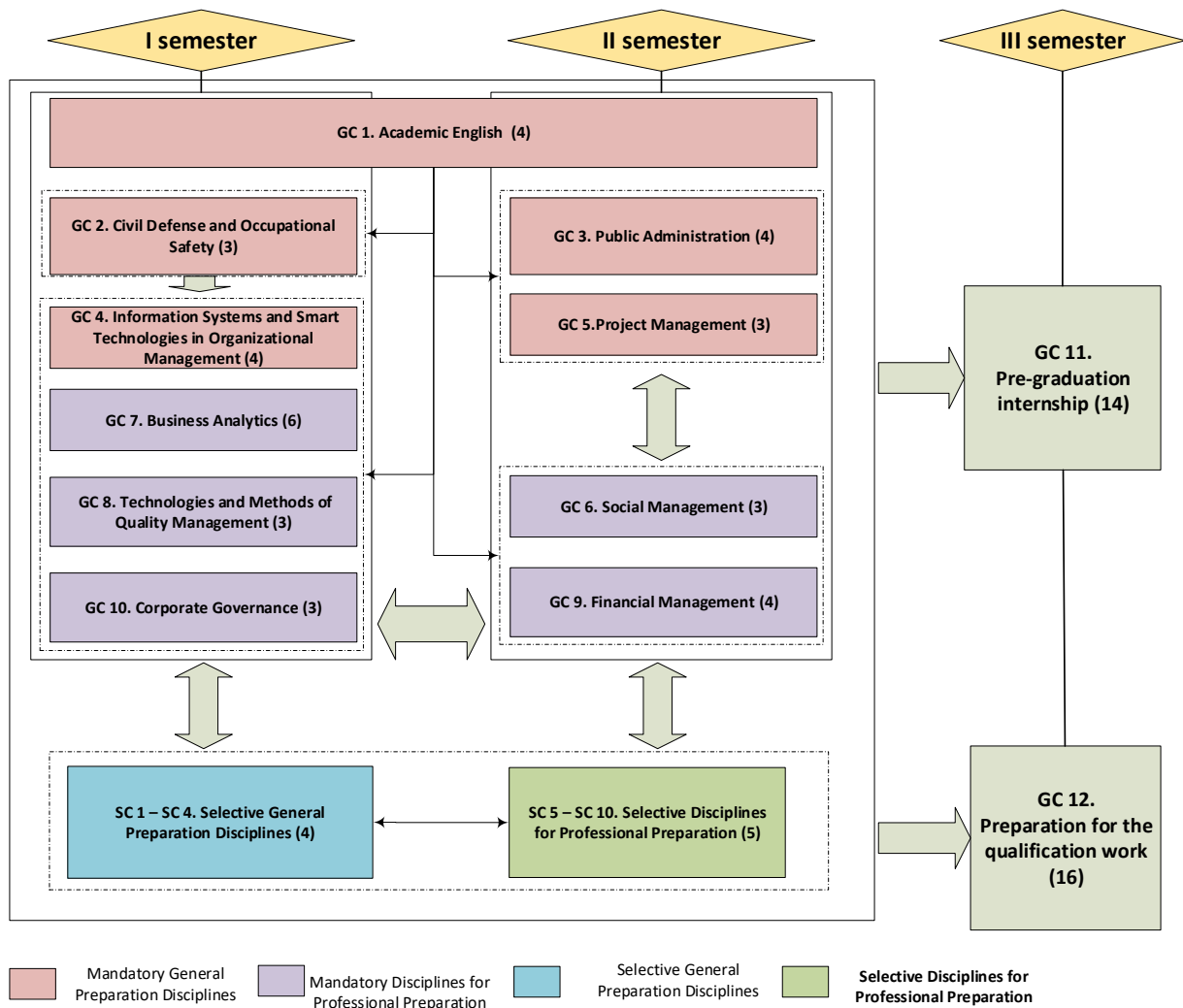|	
	based on bilateral agreements between Chernihiv Polytechnic National University and higher education institutions in Ukraine. Individual academic mobility is carried out within the framework of inter-university agreements on the establishment of scientific and educational relations to meet the needs of education and science development. The procedure for recognizing the results of education under academic mobility programs is determined in accordance with the Procedure for determining academic differences and recognizing the results of previous education at the Chernihiv Polytechnic National University.
International Credit Mobility	Implemented at the University in accordance with the current legislation and regulated by the Regulation on Academic Mobility of Participants in the Educational Process of Chernihiv Polytechnic National University. It is carried out based on bilateral agreements between Chernihiv Polytechnic National University and universities of foreign partner countries. Individual academic mobility is possible through participation in the Erasmus+ program and other programs.
Teaching of foreign applicants for higher education	The training of foreign students for higher education is carried out in accordance with the Law of Ukraine "On Higher Education" and the Procedure for the Admission and Training (Internship) of Foreigners and Stateless Persons. Foreign students are guaranteed all rights and freedoms in accordance with the current legislation of Ukraine. It is possible in two language (Ukrainian, English).

2. Distribution of content of Educational-professional program «Business Management» according to groups of components and preparation cycles
2.1. List of components of the Educational-professional program (Master)

Code	Components of the Educational Program (Educational Disciplines, Course Projects, Internships, Qualification Work)	Components amount in credits ECTS	Form of final control
Mandatory Components of the Educational-Professional Program			
MC 1	Academic English	4	Differential Credit
MC 2	Civil Defense and Occupational Safety	3	Differential Credit
MC 3	Public Administration	4	Exam
MC 4	Information Systems and Smart Technologies in Organizational Management	4	Exam
MC 5	Project Management	3	Differential Credit
MC 6	Social Management	3	Differential Credit
MC 7	Business Analytics	6	Exam, Coursework
MC 8	Technologies and Methods of Quality Management	3	Differential Credit
MC 9	Financial Management	4	Differential Credit
MC 10	Corporate Governance	3	Differential Credit
In total with the mandatory components:		**37**	
Selective Components of the Educational-Professional Program			
SC 1	Business Models and Business Strategies	4	Exam
SC 2	GP Management	4	Exam
SC 3	Professional Development and Communications	4	Exam
SC 4	Business Psychology and Management	4	Exam
SC 5	Business Process Reengineering and Management Consulting	5	Exam
SC 6	Digital Marketing	5	Exam
SC 7	Digital Leadership and Strategies	5	Exam
SC 8	Brand Management	5	Exam
SC 9	Organization Potential Management and Business Administration	5	Exam
SC 10	Management of Economic Security in the Organization	5	Exam
In total with the selective components:		**23***	
Practical training			
MC 11	**Pre-graduation internship**	**14**	Differential Credit
Preparation for certification			
MC 12	**Preparation for the qualification work**	**16**	Certification
IN TOTAL FOR EDUCATIONAL-PROFESSIONAL PROGRAM		**90**	

A higher education student freely chooses 5 academic disciplines (two from the list of disciplines worth 4 credits each and three worth 5 credits each)

2.2. STRUCTURAL-LOGICAL SCHEME OF THE EDUCATIONAL PROGRAM

I semester **II semester** **III semester**

GC 1. Academic English (4)

GC 2. Civil Defense and Occupational Safety (3)	GC 3. Public Administration (4)

GC 4. Information Systems and Smart Technologies in Organizational Management (4)	GC 5. Project Management (3)

GC 7. Business Analytics (6)

GC 8. Technologies and Methods of Quality Management (3)	GC 6. Social Management (3)

GC 10. Corporate Governance (3)	GC 9. Financial Management (4)

GC 11. Pre-graduation internship (14)

SC 1 – SC 4. Selective General Preparation Disciplines (4)	SC 5 – SC 10. Selective Disciplines for Professional Preparation (5)

GC 12. Preparation for the qualification work (16)

Mandatory General Preparation Disciplines

Mandatory Disciplines for Professional Preparation

Selective General Preparation Disciplines

Selective Disciplines for Professional Preparation

3. FORM OF ATTESTATION OF APPLICANTS FOR HIGHER EDUCATION

The assessment is carried out in the form of a public defense of the qualification work (Master's theses).

The qualification work should involve solving a complex problem in the field of management that requires research and/or innovation, characterized by complexity and uncertainty of conditions, using theories and methods of economic science.

The qualification work must not contain academic plagiarism, falsification, or fabrication.

The qualification work is published in the repository of the Chernihiv Polytechnic National University.

4. Matrix of compliance of program competences with the educational components of the Master's program

	MC 1	MC 2	MC 3	MC 4	MC 5	MC 6	MC 7	MC 8	MC 9	MC 10	MC 11	MC 12
InC	+	+	+	+	+	+	+	+	+	+	+	+
GC1.							+				+	+
GC2.	+									+		
GC3.				+			+				+	+
GC4.			+									
GC5.						+						
GC6.					+			+				+
GC7.							+		+		+	+
GC8.									+			
GC9		+										
FC1.							+	+			+	+
FC2.							+	+				+
FC3.						+					+	+
FC4.					+				+			+
FC5.	+		+	+								
FC6.										+		
FC7.					+						+	
FC8.						+						
FC9.							+				+	+
FC 10										+		+
FC 11							+					
FC 12							+					
FC 13							+				+	
FC 14							+					+
FC 15							+					

Conditional notations:

InC – Integral Competence; GC – General Competence; FC – Professional Competence of Specialty; MC – Mandatory Components of the Educational-Professional Program; SC – Selective Components of the Educational-Professional Program.

5. The matrix of providing programme learning results to the relevant components of the Master's program

	MC 1	MC 2	MC 3	MC 4	MC 5	MC 6	MC 7	MC 8	MC 9	MC 10	MC 11	MC 12
PLO 1.					+		+	+	+		+	+
PLO 2.								+	+		+	+
PLO 3.					+						+	+
PLO 4.					+						+	
PLO 5.									+	+		+
PLO 6.		+	+									+
PLO 7.	+									+		
PLO 8.				+	+		+					
PLO 9.	+											+
PLO 10.						+	+					
PLO 11.							+				+	
PLO 12.										+	+	
PLO 13.				+			+		+			
PLO 14.				+	+			+			+	+
PLO 15.							+					+
PLO 16.							+	+	+			
PLO 17.							+				+	
PLO 18.							+					+

Conditional notations:

PLO – Program Learning Outcomes; MC – Mandatory Components of the Educational-Professional Program; SC – Selective Components of the Educational-Professional Program.

6. The program is based on the following list of regulatory documents

1.   Pro vyshchu osvitu. Zakon Ukrainy vid 01.07.2014 r. № 15 56-VII [About higher education. Law of Ukraine dated July 1, 2014 No. 15 56-VII]. *Baza danykh «Zakonodavstvo Ukrainy». VR Ukrainy*. Retrieved from https://zakon.rada.gov.ua/laws/show/1556-18#Text [in Ukrainian].

2.   Pro osvitu. Zakon Ukrainy vid 05.09.2017 № 2145-VIII [About education. Law of Ukraine dated September 5, 2017 No. 2145-VIII]. *Baza danykh «Zakonodavstvo Ukrainy». VR Ukrainy*. Retrieved from https://zakon.rada.gov.ua/laws/show/2145-19#Text [in Ukrainian].

3.   Natsionalnyi klasyfikator Ukrainy: «Klasyfikator profesii» DK 003:2010. Nakaz Derzhspozhyvstandartu Ukrainy vid 28.07.2010 № 327 (Redaktsiia vid 23.06.2023 r.) [National Classifier of Ukraine: "Profession Classifier" DK 003:2010. Order of the State Consumer Standard of Ukraine dated 28.07.2010 No. 327 (Editorial dated 23.06.2023)]. *Baza danykh «Zakonodavstvo Ukrainy». VR Ukrainy*. Retrieved from https://zakon.rada.gov.ua/rada/show/va327609-10#Text [in Ukrainian].

4.   Pro zatverdzhennia Natsionalnoi ramky kvalifikatsii. Postanova Kabinetu Ministriv Ukrainy vid 23 lystopada 2011 r. №1341 (Redaktsiia vid 02.07.2020r.) [On the approval of the National Framework of Qualifications. Decree of the Cabinet of Ministers of Ukraine dated November 23, 2011 No. 1341 (Editorial dated July 2, 2020)]. *Baza danykh «Zakonodavstvo Ukrainy». VR Ukrainy*. Retrieved from https://zakon.rada.gov.ua/laws/show/1341-2011-п#Text [in Ukrainian].

5.   Pro zatverdzhennia pereliku haluzei znan i spetsialnostei, za yakymy zdiisniuietsia pidhotovka zdobuvachiv vyshchoi osvity. Postanova Kabinetu Ministriv Ukrainy vid 29 kvitnia 2015 r. № 266 (redaktsiia vid 21.12.2022r.) [On approval of the list of fields of knowledge and specialties for which higher education applicants are trained. Decree of the Cabinet of Ministers of Ukraine dated April 29, 2015 No. 266 (edition dated December 21, 2022)]. *Baza danykh «Zakonodavstvo Ukrainy». VR Ukrainy*. Retrieved from https://zakon.rada.gov.ua/laws/show/266-2015- %D0%BF#Text [in Ukrainian].

6.   Metodychni rekomendatsii shchodo rozroblennia standartiv vyshchoi osvity. Nakaz Ministerstva osvity i nauky Ukrainy vid «01» chervnia 2016 № 600 (u redaktsii nakazu Ministerstva osvity i nauky Ukrainy vid 01 zhovtnia 2019 r. № 1254) [Methodological recommendations for the development of higher education standards. Order of the Ministry of Education and Science of Ukraine dated June 1, 2016 No. 600 (as amended by Order of the Ministry of Education and Science of Ukraine dated October 1, 2019 No. 1254)]. Retrieved from https://mon.gov.ua/storage/app/uploads/public/5dc/963/0eb/5dc9630eb3e2d768027976.pdf [in Ukrainian].

7.   Standart vyshchoi osvity za spetsialnistiu 073 «Menedzhment» haluzi znan 07 «Upravlinnia ta administruvannia» dlia druhoho (mahisterskoho) rivnia vyshchoi osvity. Nakaz Ministerstva osvity i nauky Ukrainy 10.07.2019 r. № 959 [Standard of higher education in the specialty 073 "Management" field of knowledge 07 "Management and administration" for the second (master's) level of higher education. Order of the Ministry of Education and Science of Ukraine dated 10.07.2019 No. 959]. Retrieved from https://mon.gov.ua/storage/app/media/vishcha-osvita/zatverdzeni%20standarty/2019/07/12/073-menedzhment-magistr.pdf [in Ukrainian].

8.   Klasyfikatsiia vydiv ekonomichnoi diialnosti DK 009:2010. Nakaz Derzhspozhyvstandartu Ukrainy vid 11.10.2010 №457 (redaktsiia vid 04.01.2023r.) [Classification of types of economic activity DK 009:2010. Order of the State Consumer Standard of Ukraine dated October 11, 2010 No. 457 (edition dated January 4, 2023)]. *Baza danykh «Zakonodavstvo Ukrainy». VR Ukrainy*. Retrieved from https://zakon.rada.gov.ua/rada/show/vb457609-10#Text [in Ukrainian].

9.   Litsenziini umovy provadzhennia osvitnoi diialnosti: Postanova Kabinetu Ministriv Ukrainy vid 30.12.2015 r. №1187 (redaktsiia vid 20.06.2021r.) [Licensing conditions for carrying out educational activities: Decree of the Cabinet of Ministers of Ukraine dated 30.12.2015 No. 1187 (edition dated 20.06.2021)]. *Baza danykh «Zakonodavstvo Ukrainy». VR Ukrainy*.   Retrieved   from

https://zakon.rada.gov.ua/laws/show/1187-2015-п#Text [in Ukrainian].

10. Poriadok rozrobky, zatverdzhennia, monitorynhu ta zakryttia osvitnikh prohram u Natsionalnomu universyteti «Chernihivska politekhnika», rekomendovanyi Vchenoiu radoiu Natsionalnoho universytetu «Chernihivska politekhnika» vid 31.08.2020 r. protokol № 6 (iz zminamy vid 30.11.2020r.) [The procedure for developing, approving, monitoring and closing educational programs at Chernihiv Polytechnic National University, recommended by the Academic Council of Chernihiv Polytechnic National University dated August 31, 2020, protocol No. 6 (with changes dated November 30, 2020)]. Retrieved from https://www.stu.cn.ua/media/files/pdf/nzop/p-rozr-op2.pdf [in Ukrainian].

11. Standarty i rekomendatsii shchodo zabezpechennia yakosti v Yevropeiskomu prostori vyshchoi osvity (ESG) [Standards and recommendations for quality assurance in the European Higher Education Area (ESG)]. Retrieved from https://www.britishcouncil.org.ua/sites/default/files/standards-and-guidelines_for_qa_in_the_ehea_2015.pdf [in Ukrainian].

12. International Standard Classification of Education ISCED 2011. Retrieved from http://uis.unesco.org/sites/default/files/documents/international-standard-classification-of-education-isced-2011-en.pdf.

13. International Standard Classification of Education: Fields of education and training 2013 (ISCED-F 2013). Detailed field descriptions. Retrieved from http://uis.unesco.org/sites/default/files/documents/international-standard-classification-of-education-fields-of-education-and-training-2013-detailed-field- descriptions-2015-en.pdf.

14. Data for Sustainable Development Goals 4. Education 2030 Framework for Action. 2016. Retrieved from https://uis.unesco.org/en/files/education-2030-incheon-framework-action-implementation-sdg4-2016-en-pdf-1.