Profile of the Education Program		
	General information	
The official name of	Construction and Civil Engineering	
the educational		
program		
Specialty	192 – Construction and Civil Engineering	
Field of study	19 – Construction and Architecture	
<b>Higher</b> education	Second (Master's degree) level of higher education with qualification	
degree and title in	"Master of Civil Engineering and Civil Engineering"	
the original language		
Type of diploma and	Master's Degree, unitary, 120 ECTS credits, term of study 1 year 9	
scope of the	months	
education program		
Accreditation	Ministry of Education and Science of Ukraine,	
availability	ND 2190239 Accreditation Certificate	
Cycle / level	valid until 01.07.23	
	NEO CHI : I 10 EO EMEA G. 1G 1 EOEILL I	
<b>Entry level education</b>	NFQ of Ukraine- Level 8, FQ-EHEA - Second Cycle, EQF-LLL - Level	
requirements		
	Bachelor's degree, diploma of the educational qualification level of	
	Specialist, Master's degree. Specialty and foreign language entrance	
	exams.	
Language(s) of	Ukrainian, English	
instruction	Oktamian, English	
Duration of the	5 years	
education program	3 years	
caacation program	Education program objective	
	To provide students with advanced competencies in the specialty	
	"Construction and Civil Engineering"; integration of general technical	
	training for professional activity in the field of construction, production-	
	technical, design, operational services of construction enterprises,	
	workshops, sites providing construction, in design, research institutions,	
	educational institutions.	
	Education program specifications	
Subject area	- objects of study: scientific foundations, technologies, objects, structures	
	and equipment in civil engineering and construction;	
	- learning objectives: training professionals capable of developing and	
	using modern technologies in civil engineering and civil engineering.	
	- theoretical content of the subject area: theory of processes of designing,	
	erection, operation, maintenance, reconstruction of objects of	
	construction and civil engineering;	
	- methods, techniques and technologies: experimental methods of	
	materials and processes research, modeling methods, special methods,	
	technologies in civil engineering and construction;	
	- tools and equipment: experimental measuring instruments, construction	

	and technological equipment, specialized software.
Orientation of the	Educational and scientific
education program	
Main focus of the	Develop and use modern technologies for creation, operation,
education program	reconstruction and repair of construction objects, engineering systems
and specialization	and technological processes
Features of the	The peculiarity of the program is its orientation to the training of
program	specialists for the design and construction of buildings, engineering
	structures and systems, technology for the construction of buildings and
	structures, the operation and reconstruction of construction sites,
	according to which provides internships and undergraduate practices in
	design and construction organizations of Ukraine
	Graduate employability and further academic studies
<b>Employability</b>	Specialists qualified to work by type of activity according to the State
	Classifier of Occupations DK 003: 2010.
	Positions they may qualify: chief builder (house-building, rural
	construction plant), chief engineer, director of capital construction,
	contractor, construction contractor, master of construction and assembly works, chief of department, chief of housing and communal services,
	chief of the laboratory, chief of the laboratory Production Control
	Engineer (City Planner), Junior Researcher (Civil Engineering),
	Researcher (Civil Engineering), Research Associate hipster consultant
	(civil construction), hydraulic technician, construction expert, aerodrome
	operations engineer, technical supervisor (construction), design engineer,
	construction engineer, construction architect for architectural and urban
	monuments restoration, engineer -designer, technologist (building
	materials), junior researcher (engineering), research engineer, design
	engineer, consultant (in a specific engineering field), energy-saving
	consultant in the building, consultant on energy saving and energy
	efficiency, assistant, teacher of higher education institution, teacher of
	vocational educational institution, teacher of vocational-technical
	educational institution, junior researcher (teaching methods), researcher
	(teaching methods), research associate ), teacher (teaching methods),
	teacher (teaching methods), labor standardization engineer, labor
	organization engineer, technical security expert, engineer management
	organization community, city and district planning specialist, junior
	researcher (projects and programs in the field of material and intangible
	production), researcher (projects and programs in the field of material
	and intangible production), research associate (projects and programs in
	the field of material and intangible production), a specialist in the
	management of projects and programs in the field of material
Further academic	(intangible) production  Ability to study in the third evel programs; an expertunity to obtain the
studies academic	Ability to study in the third cycle programs; an opportunity to obtain the necessary qualification for teaching at a university.
Braules	Instruction and Assessment
Teaching and learning	The main approaches are student-centered and problem-oriented
reaching and learning	The main approaches are student-centered and problem-offended

	learning, self-study and research-based learning.  Teaching is conducted in the form of lectures, practical classes,
	laboratory work, consultations, individual classes, internships and
	undergraduate practice, group, independent and project work. Learning
A	to criticize your own work, constructive criticism of the work of others.
Assessment	Ongoing and intermediate evaluation: oral questioning, testing of
	knowledge and skills, consultations to discuss the results of ongoing and
	intermediate evaluation.
	Final assessment of subjects: defense of reports on internships and
	undergraduate practice, tests, written exams.
	Certification of applicants for higher education is carried out in the form
	of defense of the qualification work of the master-scientist.
	Program learning outcomes
Program learning	
outcomes as defined by	
the standard	DIO1 DDN1 Ability to demonstrate mostomy of traditional and modern
Program learning outcomes as defined	PLO1. PRN1. Ability to demonstrate mastery of traditional and modern
	innovative research methods;
by the higher	PLO 2. Ability to comprehend and understand scientific and technical
education institution	foreign literature in the specialty, to prepare scientific and technical
	documentation and to communicate on professional topics;
	PLO 3. Ability to evaluate and adjust the level of safety of workers in
	enterprises and to provide social guarantees for workers in the field of
	protection;
	PLO 4. Ability to demonstrate mastery of geoinformation technologies,
	basic theoretical provisions, technical and software tools for their
	implementation, means of creating electronic maps, thematic layers,
	generalization of spatial objects of the real world, performing GIS
	analysis;
	PLO 5. Ability to develop measures for occupational safety and the
	environment during research and in production activities;
	PLO 6. Be able to conduct the design and conduct of experiments,
	metrological support, collection, processing and analysis of results,
	identification of theory and experiment;
	PLO 7. To be able to calculate the efficiency of investment projects,
	calculate the profitability and time dimension of investment, determine
	ways to optimize the investment process;
	PLO 8. Possession of management features at different levels of the life
	cycle of enterprises, specifics of managing varieties of enterprises and
	their associations, conditions of internal and external environment,
	creation and registration of enterprises of different organizational and
	legal forms;
	PLO 9. Be able to correctly model the structural elements in the software
	and analyze the calculation results;
	PLO 10. Ability to use various laws of distribution of random variables
	and connection of standard software complexes to the solution of
	reliability problems;
	PLO 11. Ability to evaluate the technical condition of the building
	structures, the degree of their wear and bearing capacity;

	PLO 12. Ability to independently solve the issues of calculation and	
	design of reinforcement of metal, reinforced concrete and wooden	
	structures;	
	PLO 13. Ability to evaluate the load-bearing capacity of soils for use as	
	foundations of buildings and structures in complex engineering-	
	geological conditions, to design foundations and foundations on soils of	
	subsidence and man-made soil;	
	PLO 14. Ability to use advanced methods of technology and	
	organization in performing construction works, to know ways to reduce	
	their labor and energy intensity. Be able to choose the basic machines	
	and mechanisms for performing these works;	
	PLO 15. Ability to use regulatory and reference materials for	
	calculations of building structures of buildings;	
	PLO 16. Ability to analyze design features of various construction	
	schemes and display them in calculation and analytical programs;	
	PLO 17. To be able to draw up design schemes of varieties of	
	engineering structures and to design elements of engineering structures	
	and nodes of their connection; PLO 18. Be able to perform calculations of buildings and structures	
	under construction in seismicity zones;	
	PLO 19. To be able to design a new object near the old one, to carry out	
	a feasibility study of the choices made and to strengthen the foundations;	
	PLO 20. Be able to use mechanical, structural, thermal and hydraulic	
	means of artificial bases and design them with the help of calculation	
	programs.	
	Resources for program implementation	
Human Resourcing	Resources for program implementation  The scientific-pedagogical staff involved in the implementation of the	
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	library. The Educational Literature Fund has been operating an
	information service room at the University Library and Reading Rooms
	(886996 copies) since 2007.
	The digital repository of the university, which is one of the best in
	Ukraine and registered in the international roar registry, plays a
	significant role in the informational and methodological support of the
	educational work of students and teachers in the disciplines of the
	curriculum. The repository site http://eprints.kname.edu.ua is based on e-
	prints 3 software developed by the University of Southampton, freely
	distributed under the gnu license. The digital repository contains
	textbooks, manuals, lecture notes, guidelines, electronic resources,
	monographs, abstracts, articles, scientific and technical publications of
	the University. At the graduate departments (chairs), information support
	rooms were created, where normative-technical, reference and
	methodical publications, samples of course and diploma projects,
	electronic library of educational-methodical literature were collected.
	The educational and laboratory base of the graduating and providing
	departments fully ensures the carrying out of the classroom lessons at the
	modern level, makes it possible to widely use of visual methods,
	laboratory and demonstration equipment, technical means of training.
	Lecture classes are used by university lecturers who have multimedia
	equipment
Information and	1 1
training support	Availability of curriculum and explanatory note.
training support	Availability of a work program for each discipline in the curriculum.
	7
	Availability of a complex of educational and methodological support for
	each discipline of the curriculum.
	Availability of a program of scientific and practical training.
	Provision of students with educational materials from each academic
	discipline of the curriculum.
	The availability of methodological materials for certification of
	applicants.
Academic mobility	
National Credit	U I
Mobility	management of the scientific work of the applicants on the terms of
	individual contracts.
	Accreditation of prior learning at other universities of Ukraine is
	allowed, provided that the acquired competences are consistent.
International credit	-
mobility	
Training of foreign	Training of foreign higher education applicants is conducted in
higher education	Ukrainian and English.
applicants	- ·· · · · · · · · · · · · · · · · · ·