



2023 year

Ministry of Education and Science of Ukraine
National University «Zaporizhzhia Polytechnic»

CURRICULUM

Training

Master
(degree of higher education)

field of knowledge

(12) Information Technologies (code and name of the field of knowledge)

The term of study is **1.5 years (3 semesters)**
(academic years/ semesters)

species

122

ice

(educational and qualification level)

according to the educational program

Form of obtaining higher education (specialization)

Systems of Artificial Intelligence
name of the educational program (specialization)
(full time

Full-time

I. SCHEDULE OF THE EDUCATIONAL PROCESS

MARKING: I - theoretical classes; I₁ - individual work, B - boundary (current) control; S - examination session, P - practice, H - holidays; C - certification; M - master's thesis

II. SUMMARIZED DATA ON THE TIME BUDGET, weeks

III. PRÁCTICA

IV. ATTESTATION

Year	Theoret. classes (T)	Boundary control (B)	Individ. work (I)	Examination session (S)	Practice (P)	Certifica- tion (C)	Master's thesis (M)	Holiday (H)	Together	Name of practice	Name of academic disciplines	Form of Certification (exam, master's thesis)	Semester	Weeks
1	28	1	5					14	48					
2					8	12	20			Pre-diploma practice	3	8		
Total	28	1	5	8	12	14	68		Total weeks		8			
										Qualifying work (MASTER'S THESIS);	3	12		
										Total weeks		12		

Form № 21
Reviewed and approved at a meeting
of the Academic council of the university
“ЛІ” ЛІ 2023 year Protocol № 1

NAME OF THE EDUCATIONAL DISCIPLINE		V. CURRICULUM																						
		Distribution by semesters						Amount			Amount of hours						Distribution of classes per week by semesters (half-semesters) and ECTS by years and semesters							
		Exams		Course		Tests (dif. tests)		Classroom including			1 sem			2 sem			3 sem			4 sem				
NO	CODE	works	projects	Individual tasks	Control works	individual tasks	control works	ECTS	Total amount	Total	Lectures	Laboratory works (computer classes)	Practical works	Seminar classes	Others	Self-study	classes per week	ECTS	classes per week	ECTS	classes per week	ECTS	Department (abbreviated name)	
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
1 OBLIGATORY COMPONENTS																								
1.1	MCO1	Fuzzy programming	2						4	120	44	14	30			76	3	4			ST			
1.2	MCO2	Engineering of applied intellectual applications	1		1				5	150	38	12	26			112	3	5			ST			
1.3	MCO3	Methodology of scientific research and academic writing	1						3	90	30	12	12			6	60	2	3			ST		
1.4	MCO4	Design and modeling of IoT systems	1						4	120	40	12	26			2	80	3	4			ST		
1.5	MCO5	Component models of software systems	2	2					4	120	44	14	30			76		3	4			ST		
1.6	MCO6	Methods of data analysis and high-performance computing	2						4	120	44	14	30			76		3	4			ST		
1.7	MCO7	Basics of computational intelligence	2						3	90	44	14	30			46		3	3			ST		
1.8	MCO8	Smart-technologies of digital industry	1						6	180	60	12	26	12	10	120	4	6			ST			
1.9	MCO9	Foreign language for professional activities	1						3	90	30			26	4	60	2	3			FL			
1.10	MCO10	Pre-diploma practice	3	3a					10.5	315					315			10.5			ST			
1.11	MCO11	Qualification work (Master's thesis)	3						19.5	585					585			19.5			ST			
2 ELECTIVE COMPONENTS																								
2.1	SC	Elective disciplines chosen by applicants from the general university catalog							6	180						3	3							
2.2	SC	Elective disciplines chosen by applicants from the catalog offered by the Software tools department, which is responsible for the implementation of the Curriculum							13	720						6	12							
		Total							24	720						9	15							
		Total							90	2700						30	30	30						
		Number of exams																						
		Number of tests																						
		Number of course works (CW)																						
		Number of course projects (CP)																						
		The number of individual tasks (IT)														1	1							
		Number of control works																						

Dean of the Faculty of Computer Sciences and Technologies

Mykola Kasiyan

(first and last name)

Head of the Software Tools Department

Sergey Subbotin

(first and last name)

Guarantor of the educational program

Andrii Oliinyk

(first and last name)