



"APPROVED"

Acting Rector of the National University of Pharmacy

prof. A. A. Kotvitska

"31" May 2024

Higher education level **second (Master's degree)**
(name of higher education level)

Degree of Higher Education **Master**
(Bachelor, Master)

Educational qualification **Master of Pharmacy**
(Degree of higher education + speciality)

Professional qualification **pharmacist**
(as available)

Duration of the programme **4 years 10 months**
(years and months)

Form of Education **full-time**
(full-time, part-time, extramural)

Admission requirements **document on complete general secondary education**
(document on general secondary education
or other documents on education)

MINISTRY OF HEALTH OF UKRAINE
NATIONAL UNIVERSITY OF PHARMACY

The CURRICULUM

of training of higher education applicants in the
area of knowledge **22 "Healthcare"**
speciality **226 "Pharmacy, Industrial Pharmacy"**
educational and professional programme **"Pharmacy"**
specialisation **226.01 "Pharmacy"**

I. THE EDUCATIONAL PROCESS SCHEDULE

YEAR	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER				JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE				JULY				AUGUST									
	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	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52		
I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	V	V	T	SC	SC	E	MD	MD	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	SC	SC	E	E	MD/V	MD/K	V	V	V	V	V	V	V	V
II	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	V	V	T	SC	SC	E	MD	MD	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	SC	SC	E	E	MD/V	MD/V	V	V	V	V	V	V	V	V
III	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	V	V	SC	SC	E	E	MD	MD	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	SC	SC	SNQE	E	E	MD/V	MD/V	V	V	V	V	V	V	V
IV	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	V	V	SC	SC	E	E	MD	MD	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	SC	SC	SNQE	E	E	MD/V	MD/V	V	V	V	V	V	V	V
V	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	V	P	MD/P	MD/P	E	E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				

NOTATION: T - theoretical study P - practical training SC - semester control QW I - qualification work implementation C - certification MD - making up an academic debt V - vacations

SNQE - single national qualification examination, Stage 1, 2 E - examination

II. TIME BUDGET, weeks

YEAR	Theoretical study	including semester credit, semester graded credit	Practical training	Single national qualification examination	Qualification work implementation	Certification	Making up an academic debt	Vacations, including Christmas holidays	Semester examinations	Total
I	40	4					4	12		52
II	38	4					4	12	2	52
III	35	4		1			4	12	4	52
IV	38	4					4	12	2	52
V	15	2	20	1	2	2	2	1	1	42

II. THE EDUCATIONAL PROCESS CURRICULUM

Sl.No.	NAME OF THE EDUCATIONAL COMPONENT	Distribution by semester				Number of ECTS credits	Number of hours			Distribution of hours by semester									
		Sem. credit test	Sem. differentiated credit test	Sem. examination	coursework (project)		Total volume	in-class learning	self-study	The first year		The second year		The third year		The fourth year		The fifth year	
										semesters									
										1	2	3	4	5	6	7	8	9	10
										The number of weeks of the theoretical study per semester									
20	20	19	19	18	17	18	20	15											
1. Compulsory components																			
CC 1	General and Inorganic Chemistry		*			5	150	88	62	88									
CC 2	Ukrainian (professionally oriented)	*				3	90	40	50	40									
CC 3	Latin in Pharmacy		*			4	120	60	60	60									
CC 4	Introduction to Speciality	*				3	90	50	40	50									
CC 5	Biophysics, Physical Methods of Analysis		*			4	120	70	50	70									
CC 6	Physiology and Human Anatomy		*			5	150	80	70		80								
CC 7	English	*				4	120	60	60		60								
CC 8	History of World and Ukrainian Culture	*				3	90	38	52		38								
CC 9	Organic Chemistry	*		*		8	240	135	105		70	65							
CC 10	Pharmaceutical Botany	*		*		6	180	104	76		50	54							
CC 11	Analytical Chemistry	*		*		8	240	132	108			66	66						
CC 12	Physical and Colloid Chemistry	*		*		6	180	101	79			54	47						
CC 13	Philosophy, Ethics and Aesthetics		*			4	120	52	68			52							
CC 14	English (professionally oriented)	*				3	90	48	42				48						
CC 15	Premedical First Aid with Medical Introduction Training	*				4	120	60	60			60							
CC 16	Biological Chemistry	*		*		7	210	110	100				66	44					
CC 17	Microbiology with the Basics of Immunology	*		*		7	210	110	100				66	44					
CC 18	Pathological Physiology	*		*		7	210	110	100				66	44					
CC 19	Military Training	*				3	90	30	60					30					
CC 20	Pharmacology	*		*		10	300	146	154					70	76				
CC 21	Pharmacognosy	*		*		9	270	146	124					70	76				
CC 22	Pharmacy Technology of Drugs	*		*		9	270	139	131					80	59				
CC 23	Pharmacy-sold Cosmetic Products	*				3	90	43	47						43				
CC 24	Pharmaceutical Law and Legislation		*			3	90	40	50						40				
CC 25	Pharmaceutical Chemistry	*	*	*		12	360	194	166					44	81	69			
CC 26	Pharmacotherapy with Pharmacokinetics		*			3	90	44	46							44			
CC 27	Organisation and Economics of Pharmacy	*		*		8	240	133	107							55	78		
CC 28	Technology of Industrial Drugs	*		*		7	210	120	90							70	50		
CC 29	Medical and Analytical Toxicology		*			3	90	50	40								50		
CC 30	Medical and Pharmaceutical Commodity Scienceo	*				3	90	49	41							49			
CC 31	Ethics and Deontology in Pharmacy	*				3	90	30	60							30			
CC 32	Clinical Pharmacy and Pharmaceutical Care	*		*		8	240	152	88								78	74	
CC 33	Pharmaceutical Management and Marketing	*		*		8	240	124	116								68	56	
CC 34	Social Pharmacy	*				3	90	54	36									54	
CC 35	Standardisation of Drugs	*				3	90	30	60									30	
CC 36	Pharmacoeconomics	*				3	90	30	60									30	
Total						192	5760	3002	2758	308	298	351	359	352	368	329	393	244	

6. Certification of applicants for higher education			
	Unified State Qualification Exam, Stage I:		
	- KROK 1 Integrated Test-based Exam		
	- English (professionally oriented) proficiency test		
	Unified State Qualification Exam, Stage II:		
	- KROK 2 Integrated Test-based Exam		
	The complex practice-oriented examination in pharmacy		
	Qualification work implementation		

The curriculum is compiled in accordance with:

- Law of Ukraine No. 1556-VI dated 01.07.2014 "On higher education"
- Resolutions of the Cabinet of Ministers of Ukraine dated 29.04.2015 No. 266

- the educational and professional programme "Pharmacy", area of knowledge 22 "Healthcare" speciality 226 "Pharmacy, Industrial Pharmacy", specialisation 226.01 "Pharmacy", educational qualification - Master approved at the meeting of the Academic Council of the NUPh, Record No. 5 from May 30, 2024

as well as:

- ECTS requirements and regulations of the National University of Pharmacy

Approved by the Academic Council of the NUPh
Record No. 5 from May 30, 2024

Vice-Rector of the Institution of Higher Education for
Research and Pedagogical Work



Viktoriia KUZNIETSOVA

(full name)