

SHEI "I. HORBACHEVSKY TERNOPIL STATE MEDICAL UNIVERSITY OF THE MINISTRY OF HEALTH OF UKRAINE"

Curriculum

Master's Training Program in Specialty "Pharmacy"

1st year of study

	List of Academic Subjects	Credit	Academic hours					
			Total	Classroom activity	Lectures	Seminars	Practical and laboratory work	Students individual work
1	Foreign Language	3,0	90	50	0		50	40
2	Ukrainian Language for Professional Purposes	3,0	90	30	0		30	60
3	History of Ukrainian Culture	3,0	90	30	20	10		60
4	Latin Language	3,0	90	60	0		60	30
5	Philosophy	3,0	90	40	20	20		50
6	Biology with Fundamentals of Genetics	4,0	120	70	20		50	50
7	Biological Physics with Physical Methods of Analysis	4,5	135	80	20		60	55
8	Higher Mathematics and Statistics	3,5	105	70	20		50	35
9	Human Anatomy and Physiology	5,0	150	100	32		68	50
10	Ethics and Deontology in Pharmacy	3,0	90	40	10	30		50
11	Introduction to Pharmacy	3,0	90	60	20	20	20	30
12	General and Inorganic Chemistry	6,0	180	110	30		80	70
13	Life and Work Safety; Basics of Bioethics and Biosafety	3,0	90	40	24		16	50
14	Elective Course	13,0	390	120	40	80		270
15	Physical Training		160	30		30		130
	Total	60,0	1800,0	900,0	256,0	190,0	484,0	900,0

2nd year of study

	List of Academic Subjects	Credit	Academic hours					
			Total	Classroom activity	Lectures	Seminars	Practical and laboratory work	Students individual work
1	Foreign Language (for Professional Purposes)	3,0	90	30	0		30	60
2	Physico-Colloidal Chemistry	4,0	120	90	30		60	30
3	Informational Technologies in Pharmacy	5,0	150	70	10		60	80
4	Pathological Physiology	5,0	150	80	20		60	70
5	Pharmaceutical Botany	5,0	150	84	14		70	66
6	Microbiology and Fundamentals of Immunology	5,0	150	86	20		66	64
7	Hygiene and Ecology in Pharmacy	3,0	90	40	10		30	50
8	Organic Chemistry	8,0	240	150	30		120	90
9	Analytical Chemistry	8,0	240	150	30		120	90
10	First Pre-Medical Aid with Introductory Medical Practical Training	3,0	90	50	10		40	40
11	Practical Training in Pharmaceutical Botany	3,0	90	30	0		30	60
12	Elective Course	8,0	240	80	20		60	160
	Total	60,0	1960,0	970,0	194,0	30,0	746,0	990,0

3rd year of study

	List of Academic Subjects	Credit	Academic hours					
			Total	Classroom activity	Lectures	Seminars	Practical and laboratory work	Students individual work
1	Technology of Drugs	6,0	180	110	20		90	70
2	Pharmaceutical Chemistry	6,0	180	110	20		90	70
3	Pharmacognosy	8,5	255	170	30		140	85
4	Biological Chemistry	6,0	180	100	40		60	80
5	Computer Modelling in Pharmacy	3,0	90	40	4		36	50
6	Pharmacology	8,5	255	170	30		140	85
7	Pharmaceutical Law and Regulations	3,0	90	50	20		30	40
8	Emergency Medicine	3,0	90	30	10		20	60
9	Premedical First Aid	3,0	90	50	0		50	40
10	Elective courses in the field of specialization	12,0	360	120	30		90	240
11	Licensing Examination "Step 1"	1	30	0				30
	Total	60,0	1800,0	950,0	204,0	0,0	746,0	850,0

4th year of study

	List of Academic Subjects	Credit	Academic hours					
			Total	Classroom activity	Lectures	Seminars	Practical and laboratory work	Students individual work
1	Pharmaceutical Chemistry	4,0	120	92	20		72	28
2	Clinical Pharmacy and Pharmaceutical Care	6,0	180	104	20		84	76
3	Technology of Drugs	6,0	180	104	20		84	76
4	Management and Marketing in Pharmacy	3,0	90	52	10		42	38
5	Organization and Economics in Pharmacy	6,0	180	120	30		90	60
6	Pharmacotherapy and Pharmacokinetics	3,0	90	40	10		30	50
7	Pharmaceutical and Medical Commodity Science	4,0	120	50	20		30	70
8	Toxicological and Forensic Chemistry	4,0	120	92	20		72	28
9	Medical Toxicology	3,0	90	40	10		30	50
10	Pharmacoeconomics	3,0	90	30	6		24	60
11	Occupational Safety and Occupational Safety in the Field of Study	3,0	90	40	10		30	50
12	Educational Practice in Pharmacognosy	3,0	90	30	0		30	60
13	Elective courses in the field of specialization	12,0	360	194	74		120	166
	Total	60,0	1800,0	988,0	250,0	0,0	738,0	812,0

5th year of study

	List of Academic Subjects	Credit	Academic hours					
			Total	Classroom activity	Lectures	Seminars	Practical and laboratory work	Students individual work
1	Pharmaceutical Chemistry	3,0	90	52	10		42	38
2	Resources Studies of Medicinal Plants	3,0	90	52	10		42	38
3	Pharmaceutical Biotechnology	3,0	90	50	20		30	40
4	Quality Assurance in Pharmacy	3,0	90	50	20		30	40
5	Management and Marketing in Pharmacy	3,0	90	52	10		42	38
6	Clinical Pharmacy and Pharmaceutical Care	3,0	90	52	10		42	38
7	Biopharmacy	3,0	90	40	10		30	50
8	Standardization of Drugs	3,0	90	52	10		42	38
9	Social Pharmacy	3,0	90	40	10		30	50
10	Cosmetic Products Technology	3,0	90	40	10		30	50
11	Practical pharmaceutical training in the field of specialization	30,0	900	300			300	600
	Licensing Examination "Step 2"							
	Total	60,0	1800,0	780,0	120,0		660,0	1020,0