

LIST OF COMPONENTS OF THE EDUCATIONAL PROGRAM AND THEIR LOGICAL SEQUENCE

List of educational program components

Code	Components of educational program (educational disciplines, course projects, practices, qualification article	Number of credits	Type of final control
EDUCATIONAL COMPONENTS (MANDATORY)			
General training cycle			
EC 1	Ukrainian language	13,0	Module control
EC 2	Philosophy	3,0	Credit
EC 3	English language (proficiency use)	3,0	Module control
EC 4	Latin and Medical Terminology	3,0	Module control
EC 5	Academic integrity and anti-corruption mechanisms	3,0	Credit
EC6	Life Safety, Basics of Bioethics and Biosafety	3,0	Credit
EC7	History of Ukraine and Ukrainian Culture	3,0	Credit
EC8	Medical Chemistry	4,0	Module control
EC 9	Medical Biology and Molecular Biology	5,5	Module control
EC 10	Medical and Biological Physics	4,0	Module control
EC 11	Biological and Bioorganic Chemistry	9,5	Module control
EC 12	Human Anatomy	14,5	Module control
EC 13	Histology, Cytology and Embryology	11,5	Module control
EC 14	Medical Informatics	3,5	Credit
EC 15	Physiology	10,0	Module control
EC 16	Microbiology, Virology and Immunology	8,5	Module control
Total per general training cycle		102,0	
Professional training cycle			
EC 17	Pathomorphology	7,0	Module control
EC 18	Pathophysiology	7,0	Module control
EC 19	Pharmacology	7,0	Module control
EC 20	Hygiene and Ecology	9,0	Module control
EC 21	Propaedeutics of Internal Medicine	6,0	Module control
EC 22	Propaedeutics of Pediatrics	5,0	Module control
EC 23	General Surgery	6,0	Module control
EC 24	Radiology	4,0	Module control
EC 25	Internal Medicine	18,0	Module control
EC 26	Pediatrics	9,5	Module control
EC 27	Surgery	12,0	Module control
EC 28	Obstetrics and Gynaecology	7,0	Module control
EC 29	Social Medicine, Public Health	9,0	Module control
EC 30	Urology	3,0	Module control
EC 31	Otorhinolaryngology	3,0	Module control
EC 32	Ophthalmology	3,0	Module control
EC 33	Neurology	4,0	Module control
EC 34	Medical Psychology and Mental Health	3,0	Credit
EC 35	Psychiatry, Narcology	3,0	Module control
EC 36	Dermatology, Venereology	3,0	Module control

EC 37	Physical Rehabilitation, Sports Medicine	3,0	Module control
EC 38	Forensic Medicine. Medical Law of Ukraine	3,0	Module control
EC 39	Infectious Diseases	6,5	Module control
EC 40	Epidemiology and Principles of Evidence-Based Medicine	3,0	Module control
EC 41	Oncology and Radiation Medicine	4,0	Module control
EC 42	Traumatology and Orthopedics	3,0	Module control
EC43	Phthysiology	3,0	Module control
EC44	Anaesthesiology and Intensive Care	3,0	Module control
EC45	Emergency and First Medical Aid	3,0	Module control
EC46	General Practice (Family Medicine)	4,5	Module control
EC47	Premedical Aid in Extreme Situations	2,0	Module control
EC49	Surgical Treatment of Trauma	3,0	Module control
EC50	Emergencies in Internal Medicine	3,0	Module control
Total per professional training cycle		172,5	
Practical training cycle			
PC 1	Patients' Care (Practice)	5,0	Module control
PC 2	Practical Training as a Nurse	3,0	Module control
PC 3	Practical training as a physician with fundamentals of medical communication and clinical thinking	5,0	Module control
PC 4	Practical training as a physician	5,0	Module control
EC 25	Internal Medicine. Practice	14,5	Module control
EC 26	Pediatrics. Practice	8,5	Module control
EC 27	Surgery. Practice	10,0	Module control
EC 28	Obstetrics and Gynaecology. Practice	4,5	Module control
Total per practical training cycle		55,5	
OTHER COMPONENTS			
EC 48	Physical Training	0	Credit
Total per other components		0	
TOTAL PER EDUCATIONAL COMPONENTS		330,0	
SELECTIVE COMPONENTS			
Selective academic disciplines			
Selective disciplines (2nd year of study)			
SC 1	1. Clinical anatomy and operative surgery 2. Topographic anatomy and operative surgery 3. Small surgical manipulations on simulators 4. Introduction to operative surgery	4,0	Module control
SC 2	1. Occupational safety in the industry 2. Occupational hygiene in medicine 3. Ukrainian legislation in the field of occupational safety of medical workers 4. Modern international approaches to occupational safety in medicine	3,0	Credit
SC 3	1. WEB-design 2. Physiological fundamentals of fail-safe oxygen supply 3. Visual psychodiagnostics	4,0	Credit

	4. Histological diagnostics of biopsy material in some pathologies of congenital and oncological genesis 5. Deontology in medicine 6. Embryological and histological foundations of operative surgery 7. History of Bukovinian State Medical University. 8. Clinical aspects of general histology. 9. The culture of the scientific language of the doctor: a terminological aspect 10. New Ukrainian spelling: history, changes, innovations 11. Fundamentals of academic integrity 12. Fundamentals of gender studies 13. Fundamentals of eloquence and etiquette		
	Selective disciplines (3rd year of study)		
SC 4	1. Visual psychodiagnostics 2. Embryological and histological foundations of operative surgery 3. Instrumental examination methods in the clinic of internal diseases 4. Information technologies in medicine 5. Clinical aspects of general histology 6. Fundamentals of academic integrity 7. Fundamentals of gender studies 8. Fundamentals of eloquence and etiquette 9. Fundamentals of psychotherapy 10. Fundamentals of public management in the medical field 11. Side effects of drugs 12. Psychology of conflict 13. Psychology of leadership 14. Psychology of personality 15. Fundraising and project management 16. Ukrainian language	3,0	Credit
	Selective disciplines (4th year of study)		
SC 5	1. Introduction to reproductive medicine 2. Intravenous therapy in a pediatric clinic 3. Prehospital care in combat conditions. Tactical medicine 4. Instrumental examination methods in an internal medicine clinic 5. Clinical physiology 6. Cosmetology 7. Crisis psychology 8. Medical practice in the era of artificial intelligence: diagnostics using advanced technologies	4,0	Credit

	9. Medical communications (patient communication skills). Patient-oriented counseling 10. Emergencies in pediatrics 11. Operative gynecology on simulators, simulators and in operating rooms. 12. Fundamentals of academic integrity 13. Fundamentals of clinical thinking. 14. Basics of eloquence and etiquette 15. Basics of prevention of smoking, alcoholism, substance abuse and drug addiction 16. Basics of psychoanalysis 17. Basics of psychosomatics 18. Basics of psychotherapy 19. Basics of public management in the medical field 20. Basics of rehabilitation in neurology 21. Basics of sexology and sexopathology 22. Basics of dentistry 23. Basics of pharmacogenetics 24. Features of forensic medical examination for certain types of death, autopsy 25. Primary examination of the corpse at the place of discovery 26. Psychology of sexuality 27. Psychology of management 28. Sexology and sexopathology 29. Forensic aspects of detecting domestic violence and gender-based violence 30. Modern aspects of diagnostics and treatment of diseases of the hepatobiliary system 31. Modern aspects of diagnostics and treatment of diseases of the esophagus and stomach 32. Modern aspects of diagnostics, treatment and prevention of diseases of the endocrine system and metabolism 33. Training course on family planning in the format of preparation for OSP(C)E 34. Ukrainian language		
Selective disciplines (5th year of study)			
SC 6	1. Current issues of clinical toxicology 2. Current issues of pulmonology 3. Pregnancy without complications - how to achieve this 4. Selected issues of pediatric endocrinology 5. Selected issues of ECG diagnostics 6. Virtual patient in the infectious diseases clinic 7. Intravenous therapy in the pediatric clinic 8. Prehospital care in combat conditions. Tactical medicine 9. Emergent and re-emergent infections in wartime in the OSCE format	3,0	Credit

	<p>10. Clinical and laboratory diagnostics in the practice of internal medicine</p> <p>11. Clinical and radiological diagnostics and differential diagnostics of respiratory diseases</p> <p>12. Crisis psychology</p> <p>13. Bleeding in the second half of pregnancy, during childbirth and the postpartum period</p> <p>14. Medical communication in the system of "doctor-patient" relations, conflict management in a medical organization</p> <p>15. Medical practice in the era of artificial intelligence: diagnostics using advanced technologies</p> <p>16. Medical communications (skills of communication with patients). Patient-oriented counseling</p> <p>17. Emergencies in the infectious diseases clinic in the OSCE format</p> <p>18. Emergencies in pediatrics</p> <p>19. Fundamentals of academic integrity</p> <p>20. Fundamentals of clinical thinking</p> <p>21. Fundamentals of eloquence and etiquette</p> <p>22. Fundamentals of psychoanalysis</p> <p>23. Fundamentals of psychosomatics</p> <p>24. Fundamentals of psychotherapy</p> <p>25. Fundamentals of rehabilitation in neurology</p> <p>26. Fundamentals of dentistry</p> <p>27. Fundamentals of surgical technology</p> <p>28. Features of diseases of the nervous system in childhood</p> <p>29. Features of immunopathology and possibilities of immunodiagnosis and immunotherapy in diseases of various systems and organs</p> <p>30. Features of forensic medical examination in certain types of death</p> <p>31. Primary examination of the corpse at the scene of discovery</p> <p>32. First on the scene (course on emergency care)</p> <p>33. Adolescent medicine</p> <p>34. Psychology of sexuality</p> <p>35. Family psychology</p> <p>36. Management psychology</p> <p>37. Psychosomatic disorders in children</p> <p>38. Advanced resuscitation care for children with polytrauma</p> <p>39. Sexology and sexopathology</p> <p>40. Section course</p> <p>41. Simulation training course in respiratory pathology</p>		
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	42. Forensic aspects of detecting domestic violence and gender-based violence 43. Modern aspects of child neurology with elements of simulation training 44. Modern aspects of diagnostics and treatment of diabetic foot syndrome 45. Modern aspects of diagnostics, treatment, prevention of sexually transmitted infections 46. Modern approaches to diagnostics of nervous system diseases in childhood 47. Modern practices of a virtual patient in preparation for OSCE 48. Traumatic pneumothorax and hemothorax, diagnostics and emergency care using stimulation technologies 49. Training in mastering practical skills in the clinic of infectious diseases 50. Ultrasound diagnostics in obstetrics and gynecology 51. Pharmacotherapy for diseases of internal organs		
Selective disciplines (6th year of study)			
SC 7	1. Current issues of reproductive health disorders in childhood and adolescence 2. Current issues of intensive care and emergency care in pediatrics 3. Biochemical markers and instrumental diagnostics of diseases of internal organs 4. Selected issues of pediatric endocrinology 5. Virtual patient in the infectious diseases clinic 6. Intravenous therapy in the pediatric clinic 7. Diagnostics and emergency care for critical	3,0	Credit
SC 8	bleeding using stimulation scenarios 8. ECG diagnostics of heart pathology 9. Emergent and re-emergent infections in war conditions in the OSCE format 10. Bleeding in the second half of pregnancy, during childbirth and the postpartum period 11. Medical communication in the system of "doctor-patient" relations, conflict management in a medical organization	3,0	Credit
SC 9	12. Medical practice in the era of artificial intelligence: diagnostics using advanced technologies 13. Management of uterine bleeding in the OSP(C)E format 14. Emergency care for gunshot wounds of the musculoskeletal system 15. Emergency care for military-field trauma with the practice of simulation scenarios 16. Emergencies in the infectious diseases clinic in the OSCE format	3,0	Credit

17. Emergencies in pediatrics 18. Latest technologies in surgery 19. Operative gynecology on simulators, simulators and in operating rooms 20. Business organization in medicine 21. Fundamentals of sexology and sexopathology 22. Fundamentals of surgical technology 23. Fundamentals of ultrasound diagnostics of vascular pathology with practice on standardized patients 24. Assessment of laboratory and instrumental indicators in the internal medicine clinic as a component of preparation for OSP(C)E 25. Palliative and hospice care 26. First on the scene (emergency care course) 27. Adolescent medicine 28. Practical training in internal medicine for USQE 29. Advanced resuscitation care for children with polytrauma (with elements of simulation training) 30. Simulation training using clinical scenarios of the OSCE format 31. Social health insurance 32. Modern aspects of pediatric neurology with elements of simulation training 33. Modern aspects of diagnostics, treatment and prevention of diseases of the endocrine system and metabolism 34. Modern aspects of family planning 35. Modern practices of a virtual patient in preparation for OSCE 36. Chest injuries, clinic, diagnostics, emergency care with practice of practical skills on mannequins 37. Training in mastering practical skills in the infectious diseases clinic diseases 38. Ultrasound in obstetrics and gynecology		
TOTAL OF SELECTED COMPONENTS	30,0	
TOTAL OF THE EDUCATIONAL PROGRAM	360,0	

Structural and logical diagram of the educational program

The sequence of educational activities of the student:

Year of study	Types of educational activities
1st year (60 ECTS credits)	Educational components (60 ECTS credits)
2nd year (60 ECTS credits)	Educational components (45 ECTS credits) Selected components (10 ECTS credits) Practice (5 ECTS credits).
3rd year (60 ECTS credits)	Educational components (54 ECTS credits) Selected components (3 ECTS credits) Practice (3 ECTS credits)
4th year (60 ECTS credits)	Educational components (51 ECTS credits) Selected components (4 ECTS credits) Practice (5 ECTS credits)
5th year (60 ECTS credits)	Educational components (52 ECTS credits) Selected components (3 ECTS credits) Practice (5 ECTS credits)
6th year (60 ECTS credits)	Educational components (13,5 ECTS credits) Selected components (9 ECTS credits) Practice (37,5 ECTS credits)

The sequence of studying of the educational program components by year:

No	Educational program components	Course distribution					
		1	2	3	4	5	6
Educational components							
EC 1	Ukrainian Language	*	*				
EC 2	Philosophy	*					
EC 3	English Language (proficiency use)		*				
EC 4	Latin and Medical Terminology	*					
EC 5	Academic integrity and anti-corruption mechanisms	*					
EC6	Life Safety, Basics of Bioethics and Biosafety	*					
EC7	History of Ukraine and Ukrainian Culture	*					
EC8	Medical Chemistry	*					
EC 9	Medical Biology and Molecular Biology	*					
EC 10	Medical and Biological Physics	*					
EC 11	Biological and Bioorganic Chemistry	*	*				
EC 12	Human Anatomy	*	*				
EC 13	Histology, Cytology and Embryology	*	*				
EC 14	Medical Informatics		*				
EC 15	Physiology		*				
EC 16	Microbiology, Virology and Immunology		*	*			
EC 17	Pathomorphology			*			
EC 18	Pathophysiology			*			
EC 19	Pharmacology			*			
EC 20	Hygiene and Ecology		*	*			*
EC 21	Propaedeutics of Internal Medicine			*			

EC 22	Propaedeutics of Pediatrics			*			
EC 23	General Surgery			*			
EC 24	Radiology			*			
EC 25	Internal Medicine				*	*	
EC 26	Pediatrics				*	*	
EC 27	Surgery				*	*	
EC 28	Obstetrics and Gynaecology				*	*	
EC 29	Social Medicine, Public Health			*	*		*
EC 30	Urology				*		
EC 31	Otorhinolaryngology				*		
EC 32	Ophthalmology				*		
EC 33	Neurology				*		
EC 34	Medical Psychology and Mental Health			*			
EC 35	Psychiatry, Narcology				*		
EC 36	Dermatology, Venereology				*		
EC 37	Physical Rehabilitation, Sports Medicine				*		
EC 38	Forensic Medicine. Medical Law of Ukraine				*		
EC 39	Infectious Diseases					*	*
EC 40	Epidemiology and Principles of Evidence-Based Medicine					*	
EC 41	Oncology and Radiation Medicine					*	
EC 42	Traumatology and Orthopedics					*	
EC43	Phthiology				*		
EC44	Anaesthesiology and Intensive Care					*	
EC45	Emergency and First Medical Aid					*	
EC46	General practice (Family Medicine)						*
EC47	Premedical Aid in Extreme Situations		*				
EC49	Surgical Treatment of Trauma					*	
EC50	Emergencies in Internal Medicine					*	
EC 48	Physical training	*	*				
PC 1	Patients' Care (practical training)		*				
PC 2	Practical Training as a Nurse			*			
PC 3	Practical training as a physician with fundamentals of medical communication and clinical thinking				*		
PC 4	Practical training as a physician					*	
EC 25	Internal Medicine. Practice						*
EC 26	Pediatrics. Practice						*
EC 27	Surgery. Practice						*
EC 28	Obstetrics and Gynaecology. Practice						*
	Attestation			*			*
SELECTIVE COMPONENTS							
SC 1	Student's elective courses – 2nd year (1 discipline)		*				
SC 2-3	Student's elective courses – 2nd year (2 disciplines)		**				
SC 4	Student's elective courses – 3rd year (1 discipline)			*			
SC 5	Student's elective courses – 4th year (1 discipline)				*		
SC 6	Student's elective courses – 5th year (1 discipline)					*	
SC 7-9	Student's elective courses – 6th year						***

	(3 disciplines)						
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