

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 |
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| 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 |

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| 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 |

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| | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 |

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

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| | <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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| | <p>42. Forensic aspects of detecting domestic violence and gender-based violence</p> <p>43. Modern aspects of child neurology with elements of simulation training</p> <p>44. Modern aspects of diagnostics and treatment of diabetic foot syndrome</p> <p>45. Modern aspects of diagnostics, treatment, prevention of sexually transmitted infections</p> <p>46. Modern approaches to diagnostics of nervous system diseases in childhood</p> <p>47. Modern practices of a virtual patient in preparation for OSCE</p> <p>48. Traumatic pneumothorax and hemothorax, diagnostics and emergency care using stimulation technologies</p> <p>49. Training in mastering practical skills in the clinic of infectious diseases</p> <p>50. Ultrasound diagnostics in obstetrics and gynecology</p> <p>51. Pharmacotherapy for diseases of internal organs</p> | | |
| Selective disciplines (6th year of study) | | | |
| SC 7 | <p>1. Current issues of reproductive health disorders in childhood and adolescence</p> <p>2. Current issues of intensive care and emergency care in pediatrics</p> <p>3. Biochemical markers and instrumental diagnostics of diseases of internal organs</p> <p>4. Selected issues of pediatric endocrinology</p> <p>5. Virtual patient in the infectious diseases clinic</p> <p>6. Intravenous therapy in the pediatric clinic</p> <p>7. Diagnostics and emergency care for critical bleeding using stimulation scenarios</p> | 3,0 | Credit |
| SC 8 | <p>8. ECG diagnostics of heart pathology</p> <p>9. Emergent and re-emergent infections in war conditions in the OSCE format</p> <p>10. Bleeding in the second half of pregnancy, during childbirth and the postpartum period</p> <p>11. Medical communication in the system of "doctor-patient" relations, conflict management in a medical organization</p> | 3,0 | Credit |
| SC 9 | <p>12. Medical practice in the era of artificial intelligence: diagnostics using advanced technologies</p> <p>13. Management of uterine bleeding in the OSP(C)E format</p> <p>14. Emergency care for gunshot wounds of the musculoskeletal system</p> <p>15. Emergency care for military-field trauma with the practice of simulation scenarios</p> <p>16. Emergencies in the infectious diseases clinic in the OSCE format</p> | 3,0 | Credit |

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| | 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 | | | * | | | |

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| 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 | Phthysiology | | | | | * | |
| 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 | | | | | | *** |

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| | (3 disciplines) | | | | | | |
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