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Specialty **Pharmacy**

Qualification

Specialist degree

Form of training **full-time**
Normative total duration of stu **5 years**
Total duration of study **5 years**
Period of study **from 01.09.2022 to 31.08.2027**

Approved
_____ P.V.Glybochko
Chairperson, Academic Council of the
I.M. Sechenov First Moscow State Medical
University
14 June 2022
Protocol No

Curriculum of Basic Professional Educational Program of Higher Education (BPEP HE)

| № | Division by Semesters | Division by Semesters: Examinations | Division by Semesters: Pass-Fail Examinations | Credits | HOURS: GRAND TOTAL | HOURS: Classroom: GRAND TOTAL | HOURS: Classroom: Examinations | HOURS: Classroom: Lectures | HOURS: Classroom: Laboratory courses | HOURS: Classroom: Practical Training | HOURS: Classroom: Clinical Practical Training | HOURS: Classroom: Seminars | HOURS: Classroom: Work on simulator | HOURS: Independent Study Work |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | **Unit 1. Disciplines (Modules)** | | | | | | | | | | | | | |
| **1 Обязательная часть** | | | | | | | | | | | | | | |
| 1. | 1 Науки о жизни | | 1 | 3 | 90 | 60 | 4 | 16 | | 40 | | | | 30 |
| 2. | 2 Основы проектной деятельности и научно-исследовательской работы. Введение в специальность | | 1 | 3 | 90 | 60 | 4 | 14 | | 42 | | | | 30 |
| 3. | 3 History | | 1 | 2 | 60 | 40 | 4 | 8 | | 28 | | | | 20 |
| 4. | 4 Latin Language | | 1 | 3 | 90 | 60 | 4 | 4 | | 52 | | | | 30 |
| 5. | 5 Medical and biological physics | | 1 | 3 | 90 | 60 | 4 | 10 | 12 | 34 | | | | 30 |
| 6. | 6 Human Anatomy | | 1 | 3 | 90 | 60 | 4 | 14 | | 42 | | | | 30 |
| 7. | 7 Physical Culture and Sports | | 1 | 2 | 60 | 40 | 4 | 16 | | 20 | | | | 20 |
| 8. | 8 Organic Chemistry | 2 | | 9 | 270 | 180 | 8 | 36 | 62 | 74 | | | | 90 |
| 9. | 9 Foreign language | 2 | | 6 | 180 | 120 | 8 | | | 112 | | | | 60 |
| 10. | 10 Philosophy | | 2 | 2 | 60 | 40 | 4 | 8 | | 28 | | | | 20 |
| 11. | 11 Техники мышления | | 2 | 2 | 60 | 40 | 4 | 8 | | 28 | | | | 20 |
| 12. | 12 Applied biostatistics | | 2 | 2 | 60 | 40 | 4 | 8 | | 28 | | | | 20 |
| 13. | 13 Управление личной безопасностью | | 2 | 2 | 60 | 40 | 4 | 8 | | 28 | | | | 20 |
| 14. | 14 Physiology | 3 | | 6 | 180 | 120 | 8 | 30 | | 82 | | | | 60 |
| 15. | 15 Microbiology | 3 | | 6 | 180 | 120 | 8 | 30 | | 82 | | | | 60 |
| 16. | 16 Analytic Chemistry | 3 | | 9 | 270 | 180 | 8 | 44 | 128 | | | | | 90 |
| 17. | 17 Эффективные коммуникации | | 3 | 3 | 90 | 60 | 4 | 4 | | 52 | | | | 30 |
| 18. | 18 Physical and Colloid Chemistry | 4 | | 6 | 180 | 120 | 8 | 28 | 84 | | | | | 60 |
| 19. | 19 Medical biochemistry | 4 | | 6 | 180 | 120 | 8 | 30 | | 82 | | | | 60 |
| 20. | 20 Pathology | 4 | | 6 | 180 | 120 | 8 | 30 | | 82 | | | | 60 |
| 21. | 21 Botany | 4 | | 6 | 180 | 120 | 8 | 30 | | 82 | | | | 60 |
| 22. | 22 Hygiene | | 4 | 2 | 60 | 40 | 4 | 12 | | 24 | | | | 20 |
| 23. | 23 Assessment of the functional state of a human body | | 4 | 2 | 60 | 40 | 4 | 8 | | 28 | | | | 20 |
| 24. | 24 Pharmacology | 6 | | 9 | 270 | 180 | 8 | 32 | | 140 | | | | 90 |
| 25. | 25 General pharmaceutical chemistry | 6 | | 9 | 270 | 180 | 8 | 32 | | 140 | | | | 90 |
| 26. | 26 Methods of pharmacopoeial analysis | 6 | | 9 | 270 | 180 | 8 | 32 | | 140 | | | | 90 |
| 27. | 27 Medical and pharmaceutical merchandising | | 5 | 3 | 90 | 60 | 4 | 12 | | 44 | | | | 30 |
| 28. | 28 Информационные технологии в профессиональной деятельности | | 5 | 3 | 90 | 60 | 4 | 8 | | 48 | | | | 30 |
| 29. | 29 Bioethics | | 5 | 3 | 90 | 60 | 4 | 20 | | 36 | | | | 30 |
| 30. | 30 General pharmaceutical technology | 6 | | 6 | 180 | 120 | 8 | 20 | | 92 | | | | 60 |
| 31. | 31 Pharmacognosy | 7 | | 9 | 270 | 180 | 8 | 42 | | 130 | | | | 90 |
| 32. | 32 Management and economics of pharmacy | 8 | | 15 | 450 | 300 | 8 | 78 | | 214 | | | | 150 |
| 33. | 33 Basics of biotechnology | 7 | | 6 | 180 | 120 | 8 | 30 | | 82 | | | | 60 |
| 34. | 34 Иностранный язык для научного общения | | 7 | 3 | 90 | 60 | 4 | 4 | | 52 | | | | 30 |
| 35. | 35 Pharmaceutical marketing | | 7 | 3 | 90 | 60 | 4 | 12 | | 44 | | | | 30 |

Distribution by years and semesters

| № | 1 year (1, 17 5/6w): Lectures | Seminars, Pract. Tdsining | Credits | Independent Study Work | 1 year (2, 18w): Lectures | Seminars, Pract. Tdsining | Credits | Independent Study Work | 2 year (3, 17 5/6w): Lectures | Seminars, Pract. Tdsining | Credits | Independent Study Work | 2 year (4, 18w): Lectures | Seminars, Pract. Tdsining | Credits | Independent Study Work |
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| 1 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 1. | 16 | 40 | 3 | 30 | | | | | | | | | | | | |
| 2. | 14 | 42 | 3 | 30 | | | | | | | | | | | | |
| 3. | 8 | 28 | 2 | 20 | | | | | | | | | | | | |
| 4. | 4 | 52 | 3 | 30 | | | | | | | | | | | | |
| 5. | 10 | 46 | 3 | 30 | | | | | | | | | | | | |
| 6. | 14 | 42 | 3 | 30 | | | | | | | | | | | | |
| 7. | 16 | 20 | 2 | 20 | | | | | | | | | | | | |
| 8. | 18 | 82 | 5 | 50 | 18 | 54 | 4 | 40 | | | | | | | | |
| 9. | | 60 | 3 | 30 | | 52 | 3 | 30 | | | | | | | | |
| 10. | | | | | 8 | 28 | 2 | 20 | | | | | | | | |
| 11. | | | | | 8 | 28 | 2 | 20 | | | | | | | | |
| 12. | | | | | 8 | 28 | 2 | 20 | | | | | | | | |
| 13. | | | | | 8 | 28 | 2 | 20 | | | | | | | | |
| 14. | | | | | 18 | 42 | 3 | 30 | 12 | 40 | 3 | 30 | | | | |
| 15. | | | | | 18 | 42 | 3 | 30 | 12 | 40 | 3 | 30 | | | | |
| 16. | | | | | 18 | 62 | 4 | 40 | 26 | 66 | 5 | 50 | | | | |
| 17. | | | | | | | | | 4 | 52 | 3 | 30 | | | | |
| 18. | | | | | | | | | 16 | 44 | 3 | 30 | 12 | 40 | 3 | 30 |
| 19. | | | | | | | | | 18 | 42 | 3 | 30 | 12 | 40 | 3 | 30 |
| 20. | | | | | | | | | 18 | 42 | 3 | 30 | 12 | 40 | 3 | 30 |
| 21. | | | | | | | | | 18 | 42 | 3 | 30 | 12 | 40 | 3 | 30 |
| 22. | | | | | | | | | | | | | 12 | 24 | 2 | 20 |
| 23. | | | | | | | | | | | | | 8 | 28 | 2 | 20 |
| 24. | | | | | | | | | | | | | 12 | 48 | 3 | 30 |
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| № | 3 year (5, 17 5/6w): Lectures | Seminars, Pract. Tdsining | Credits | Independent Study Work | 3 year (6, 18w): Lectures | Seminars, Pract. Tdsining | Credits | Independent Study Work | 4 year (7, 18w): Lectures | Seminars, Pract. Tdsining | Credits | Independent Study Work | 4 year (8, 17 5/6w): Lectures | Seminars, Pract. Tdsining | Credits | Independent Study Work |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 |
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| 24. | 12 | 48 | 3 | 30 | 8 | 44 | 3 | 30 | | | | | | | | |
| 25. | 12 | 48 | 3 | 30 | 8 | 44 | 3 | 30 | | | | | | | | |
| 26. | 12 | 48 | 3 | 30 | 8 | 44 | 3 | 30 | | | | | | | | |
| 27. | 12 | 44 | 3 | 30 | | | | | | | | | | | | |
| 28. | 8 | 48 | 3 | 30 | | | | | | | | | | | | |
| 29. | 20 | 36 | 3 | 30 | | | | | | | | | | | | |
| 30. | 12 | 48 | 3 | 30 | 8 | 44 | 3 | 30 | | | | | | | | |
| 31. | 18 | 42 | 3 | 30 | 12 | 48 | 3 | 30 | 12 | 40 | 3 | 30 | | | | |
| 32. | 24 | 56 | 4 | 40 | 24 | 56 | 4 | 40 | 12 | 48 | 3 | 30 | 18 | 54 | 4 | 40 |
| 33. | | | | | 18 | 42 | 3 | 30 | 12 | 40 | 3 | 30 | | | | |
| 34. | | | | | | | | | 4 | 52 | 3 | 30 | | | | |
| 35. | | | | | | | | | 12 | 44 | 3 | 30 | | | | |

| № | 5 year (9, 18 1/6w): Lectures | Seminars, Pract. Tdsining | Credits | Independent Study Work | 5 year (10, 17 2/3w): Lectures | Seminars, Pract. Tdsining | Credits | Independent Study Work |
|---|---|---|---|---|---|---|---|---|
| 1 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 |
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