

**MINISTRY OF EDUCATION AND SCIENCE OF THE KYRGYZ REPUBLIC  
MINISTRY OF HEALTH OF THE KYRGYZ REPUBLIC KYRGYZ STATE  
MEDICAL SERVICE MEDICAL ACADEMY  
NAMED AFTER I. K. AKHUNBAYEV**

**AGREED**

Управление Human resources and  
organizational performance  
management  
Ministry of Health of the Kyrgyz  
Republic

<sup>11</sup>

**APPROVING IT**

Rector of KSMU I. K. Akhunbayeva,  
Ds.d., Prof. I.O. Kudaiberga

**MAIN PAGE PROFESSIONAL EDUCATIONAL PROGRAM THE  
PROGRAM TRAINING IN RESIDENCY PROGRAM BY  
SPECIALTIES:**

**«PHARMACEUTICAL CHEMISTRY AND PHARMACOGNOSY»**

**BISHKEK - 2020**

**Discipline: Pharmaceutical Chemistry and Pharmacognosy**Type

**of training:** Residency program

**Категория Student category:** The previous level of education of a specialist is higher pharmaceutical education in the specialty "Pharmacy»

Specialty	pharmacist-analyst
Duration of training	1 year
Semester	2
Total labor	intensity 76.8 credits
Total hours	2304
Lectures	92
Practical exercises	92
Practice	2024

**Types of control:**

- current monitoring of practical skills development;
- interim semi -annual certification;
- final state certification at the end of training.

**Note:** OPOP in accordance with the order of M3 KR No. 691 of 04.10.2018. "On approval of requirements for the structure of the basic professional educational program of postgraduate medical education (residency) in the Russian Federation Kyrgyz Republic To the Republic»

The residency training program in ordinator the specialty "Pharmaceutical Chemistry and Pharmacognosy" was developed by the staff of the Department of Pharmacognosy and Drug Chemistry resources of the KSMAA. I. K. Akhunbayeva:

Head of the Department of Pharmacognosy and Drug Chemistry, Ph. D., Associate Professor Muratalieva A.D. А.Д. \_\_\_\_\_

candidate of Pharmaceutical Sciences, Abdullaev D. N. \_ \_\_\_\_\_

St. John the Baptist Ismailova D. N. \_\_\_\_\_

The Rev. Kaparov B. M. \_\_\_\_\_

### Reviewers:

1. Director of the Institute of Chemistry and Phytotechnology of the National Academy of Sciences KR  
Doctor of Biological Sciences, Professor K. T. Professor Shalpykov
2. Head of the Department of Biochemistry with a course in General and bioorganic  
Chemistry named after A.D. A.D. Dzhumalieva, д.б.н., Doctor of Biological Sciences,  
Associate Professor Zh. A. J.A. Makhmudova Street

### When developing программы the residency program , the following principles are used::

1. Resolution of the Government of the Kyrgyz Republic No. 580 of 26.11.20 "On amendments to the  
Resolution Governments Kyrgyz Republic Republic "On Medical postgraduate education in the  
Russian Federation Kyrgyz Republic Republic" of 31.07.2007 year No. 303 " p. 15  
<http://vywww.med.kg/ru/>
2. Requirements for the structure of the main professional educational program of postgraduate medical  
education (residency) in Kyrgyz Republic Republic,  
approved by By order By the Ministry of Health KR No. 691  
dated 04.10.2.100 2018 г. <http://www.med.kg/ru/>
3. State educational standard for specialty 560005 " Pharmacy»,  
approved by the order MON KR No. 1179 of 15.09.2015 and утвержденного the approved  
curriculum.
4. Requirements for the structure of the main professional educational program of postgraduate  
pharmaceutical education (residency) by specialty  
"Pharmaceutical chemistry and pharmacognosy", specialist qualification специалиста " pharmacist-  
analyst", approved by By order By the Ministry of Health KR No. 1073 from  
18.12. 2020 г.
5. Catalog of competencies in the specialty "Pharmaceutical Chemistry and pharmacognosy" of  
postgraduate level, approved by the order Ministries of Health KR No.1074 of 18.12.2020 г.

Reviewed and recommended for approval at the meeting UMPC for Postgraduate and Continuing  
Pharmaceutical Education Protocol no \_\_\_\_\_ . o t \_\_\_\_\_ 20\_g.

Reviewed and approved at заседании the GUMC meeting Protocol no \_\_\_\_\_ . o t \_\_\_\_\_



# CONTENT

## **1. General provisions**

- 1.1. Introduction
- 1.2. Regulatory documents
- 1.3. General characteristics of the specialty
  - 1.3.1. Goals and objectives
  - 1.3.2. Labor intensity
  - 1.3.3. Requirements for applying for обучение residency training ординатуру
  - 1.3.4. Area of professional activity of the specialist
  - 1.3.5. Objects of professional activity of a specialist
  - 1.3.6. Types of professional activity of a specialist

## **2. Requirements for the final results of training (DIC, PC)**

## **3. Qualification characteristics of a specialist (must know, be able, have skills)**

## **4. Requirements for structure the OBOR structure**

- 4.1. Minimum content of the educational program
- 4.2. Standard curriculum plan
- 4.3. Training program
- 4.4. Academic programs of disciplines (modules) - special or related services
- 4.5. Study programs discipline of elective subjects выбору
- 4.6. Training programs of practitioners
- 4.7. List of production bases of postgraduate pharmaceutical education
- 4.8. Literature

## **5. Requirements for conditions of implementation OPOP implementation conditions**

- 5.1. Requirements for educational, methodological and informational support of the program
- 5.2. Requirements for personnel conditions of implementation
- 5.3. R e q u i r e m e n t s f o r Program logistics requirements

## **6. Requirements for evaluating освоения program development/ training quality**

- 6.1. Feedback form for admission to the residency program
- 6.2. Feedback form for conducting ongoing monitoring of academic performance
- 6.3. ФOC Interim Certification Feedback Form
- 6.4. Final state certification

MINISTRY OF HEALTH OF THE KYRGYZ REPUBLIC KYRGYZ  
STATE MEDICAL SERVICE MEDICAL ACADEMY *им. named after I.*  
*I. Abramovich ..* КК. AKHUNBAYEVA

AGREED

Management of human resources  
and organizational work M3 in the  
Kyrgyz Republic

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APPROVING

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Rector of  
KSMU

Named after I.K.

Akhunbayeva

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MAIN PAGE PROFESSIONAL EDUCATIONAL PROGRAM THE PROGRAM  
TRAINING IN RESIDENCY PROGRAM BY SPECIALTIES  
"PHARMACEUTICAL TECHNOLOGY»

**Specialty: Pharmaceutical Technology****Form of training: Full-time job**

**Category of students**-The previous level of education of a specialist is higher pharmaceutical education in the specialty "Pharmacy" - the qualification "pharmacist".

<b>Specialty</b>	Pharmaceutical technology
<b>Duration of training</b>	1 year
<b>Form of training</b>	Full-time job
<b>Semester</b>	1-2
<b>Total labor</b>	intensity 76.8 credits
<b>Total hours</b>	2304
<b>Lectures</b>	92
<b>Practical exercises</b>	92
<b>Practice</b>	2024

**Types of control**

- current monitoring;
- interim semi -annual certification;
- final state certification at the end of training.

The residency training program in the specialty "Pharmaceutical Technology" was developed by the staff of the Department of Management and Economics of Pharmacy, Technology of Medicinal Products named after V. I. Abramovich. Prof. E. S. Matyev KSMU named after him. I. K. Akhunbayeva: head of the department, D. farm.PhD, prof. Cholponbaev, Ph. D., Associate Professor Dootalieva S. Ch.. Ph. D. in Chemistry, cr. senior Teachersurmambetova Zh. S., teacher Asanova A. A., Technical Director and Acting. authorized person of the pharmaceutical plant LLC "Biovit" Moldotashev B. S.

### **Reviewers:**

Абдиев М. К. Abdiev, Deputy Head of the Department of Information Technology. directors Department of Medicines and Medical Devices at the Ministry of Health of the Russian Federation Ministry of Health Kyrgyz Republic The Republic.

Toktomatova Z. T., Director LLC "Daniba»;

Berdalievа Ж. Zh.I ., Candidate of Chemical Sciences, lecturer of the Department of Biochemistry with the course of general and bioorganic chemistry named after A. I. Abramovich. D. Dzhumalievа KSMAim. I. K. Akhunbayeva.

Reviewed at the Training and methodological profile Committee of the KSMU Faculty of Applied Mathematics, Protocol no. of " \_\_\_\_\_ " \_\_\_\_\_ 20 \_\_\_\_\_ .

Approved at the GUMC meeting Protocol no. \_\_\_\_\_ . from \_\_\_\_\_

## CONTENT

1. General provisions	
1.1. Introduction.....	4
1.2. Regulatory documents .....	4
1.3. General characteristics of the specialty .....	7
1.3.1. Goal and objectives.....	7
1.3.2. Labor.....	inte
1.3.3. Requirements for the selection of candidates for в residency training .....	7
1.3.4. Area of professional activity of a specialist .....	8
1.3.5. Objects of professional activity of a specialist .....	8
1.3.6. Types of professional activity of a specialist.....	8
2. Requirements for final learning outcomes (CA, PC) .....	9
3. Qualification characteristics of a specialist (must know, be able, have skills) .....	9
4. Требование к ОВОР structure requirement ОПОП	
20	
41. Minimum content of the educational program.....	20
42. A typical one. curriculum.....	20
43. Academic programs of disciplines.....	24
44. Study programs of elective .....	subj
45. Training programs of practices .....	25
46. Clinical bases and сроки completion dates .....	25
47. References .....	a
5. Requirements for the implementation of ОРОР .....	28
5.1. Requirements for educational, methodological and informational support of the program.....	28
5.2. Требования к Personnel requirements for условиям implementation .....	30
5.3. Требования к Material and technical support requirements for проprogram.....	32
6. Requirements for evaluating program development/ training quality .....	32
61. ФОР для Application form for admission to the residency .....	prog
62. Feedback form for conducting ongoing performance monitoring .....	34
63. ФОР Interim certification	
Feedback Form 36	
64. Final state certification .....	37

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MINISTRY OF HEALTH OF THE KYRGYZ REPUBLIC KYRGYZ STATE  
MEDICAL SERVICE MEDICAL ACADEMY  
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Управление Human resources and  
organizational performance  
management  
Ministries of Healthcare of the Kyrgyz  
Republic

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**APPROVING IT**

Rector of KSMUI. K. Akhunbayeva,  
Dm. s, Prof. I.O. Kudaibergezh

**MAIN PAGE PROFESSIONAL EDUCATIONAL PROGRAM  
THE PROGRAM TRAINING IN RESIDENCY PROGRAM BY  
SPECIALTIES:  
"CLINICAL PHARMACY»**

## Discipline: Clinical Pharmacy Type of

**training:** About the residency program

**Категория Student category** - The current ествую level of education специалиста является of a specialist is m higher medical education in the specialty "farmatsiya" - qualification икация "farmatsevt" ".

Specialty	K linicheskyy farmatsevt
Duration of training	1 year
Semester	I-II
Total labor intensity	76.8 credits
Total hours	2304
Practice	2024
Types of control	The exam

### Types of control

- текущий technical control of контроль mastering practical skills;
- промежуточный semi -annual certification;
- final state certification at the end of training.

Примечание: 0110P в соответствии с приказом МЗ КР № 691 от 04.10.2018 "Об утверждении требований к структуре базовых профессиональных образовательных программ высшего медицинского образования (ординатура) в Кыргызской Республике»

**Программа The training program for a clinical residency in the specialty "Clinical Pharmacist" was developed by the staff of the Department of Basic and Clinical Pharmacology of the KSMAA named after V. A. Shishkin. I. K. Akhunbayeva:**

Head of the Department. **Department of Basic and Clinical Pharmacology КГМА of the KSMAA named after V. A. Shishkin. I. K. Akhunbayeva, MD,**  
Prof. yessorom U. M. Tilekeyeva

senior им teachers: N. D. Daulstbekovs m

teachers and: R. I. Barakanova, A. S. M amakeeva, B. A. Toktogulova, Zam irova  
N. Z.

**Reviewers:**

1. K. M. P.. And rty kbaev S. M.. - CEO of директор О сО О "A sian Med Trade»
2. Doctor of Medical Sciences, Prof. проф essor M oldobaeva M. S. -Head of the department. propaedeutics of internal diseases withthe course of endocrinology of KSM A

**When developing программы the residency program , the following principles are used::**

1. P stopping P ravitelstva KR No. 411 of 3 0 .0 8 .18"On making changes енений в to the resolution P ravitelstva K srgy zskoi Republic "On m medical postgraduate последиплом номeducation in the ы Kyrgyz Republic Republic" of 31 31.07. 2007 No. 303 " p. 15  
[http: /\ w w .m ed.ku.'ru/](http://www.med.ku.ru/)
2. Requirements for the structure of the main professional ессиональной educational program последиплом of m postgraduate medical education (residency) v K srgy zskoy Republic, approved by the Government of the Russian Federation Ministry of Public M Health здравоохранения KR No. 691 of 04.10.2018 2018 <http://www.med.kg> <http://www.med.kg/ru/>
3. У Educational й plan and program of а образовательной програм postgraduate последиплом ной training of a doctor-clinical pharmacologist аколога, approved by the Ministry of Health of the Russian Federation Министерством Ministry of Health KR No. 630 dated 04.09. 2018 2018 <http://www.med.kk/ru/>

Reviewed and recommended ентован for утверж approval at the meeting of the UMG1K on Postgraduate ном у and Continuing Medical у м Education у образованию P rotokol No. 6 of 18 December 18 2019 , 2019

Рассм Reviewed and approved денат заседании the meeting of the State Duma of

the Russian Federation MK Protokol No. 2 from 20 20.10.2020 .2020 g

## CONTENT

### 1. General provisions

- 1.1. Introduction
- 1.2. Normative documents
- 1.3. General characteristics of the specialty characteristic of the specialty
  - 1.3.1. Goal Goals and objectives of the task
  - 1.3.2. Core
  - 1.3.3. Requirements for admission to clinical residency training for training in clinical residency
  - 1.3.4. About the bliss of professional activity of a specialist
  - 1.3.5. Objects of professional activity of a specialist
  - 1.3.6. Types of professional activity of a specialist

### 2. Requirements for final results learning outcomes (About PTo, PC)

### 3. Qualification characteristics of a specialist (must know, be able, possess skills ками)

### 4. Requirements for structure the OBOR structure

- 4.1. Minimum content of the educational program content of the program
- 4.2. Standard curriculum plan
- 4.3. Educational programs of general clinical disciplines
- 4.4. Educational programs of disciplines (module) - special or mixed
- 4.5. Educational programs of elective subjects
- 4.6. Educational programs of practical training
- 4.7. Clinical Technical bases and terms of passage
- 4.8. Literature

### 5. Requirements for conditions of implementation OPOP implementation conditions

- 5.1. Requirements for educational and methodological management and information support of the program
- 5.2. Requirements for personnel conditions of implementation
- 5.3. Requirements for material and technical support of the program

### 6. Requirements for evaluating program development/ training quality

- 6.1. FOS for admission to clinical residency
- 6.2. FOS for routine monitoring we have time to
- 6.3. FOS from certification
- 6.4. And state attestations

**MINISTRY OF EDUCATION AND SCIENCE OF THE KYRGYZ REPUBLIC  
MINISTRY OF HEALTH OF THE KYRGYZ REPUBLIC KYRGYZ STATE  
MEDICAL SERVICE MEDICAL ACADEMY  
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**AGREED**

Управление Human resources and  
organizational performance  
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Ministry of Health of the Kyrgyz  
Republic

<sup>11</sup>

**APPROVING IT**

Rector of KSMU I. K. Akhunbayeva,  
Ds.d., Prof. I.O. Kudaiberga

**MAIN PAGE PROFESSIONAL EDUCATIONAL PROGRAM THE  
PROGRAM TRAINING IN RESIDENCY PROGRAM BY  
SPECIALTIES:  
"PHARMACEUTICAL CHEMISTRY AND PHARMACOGNOSY»**

**BISHKEK - 2020**

**MINISTRY OF HEALTH OF THE KYRGYZ REPUBLIC  
KYRGYZ STATE BORDER GUARD SERVICE MEDICAL ACADEMY  
I. K. AKHUNBAEV MEDICAL ACADEMY**

**MAIN PAGE PROFESSIONAL EDUCATIONAL PROGRAM THE  
PROGRAM TRAINING IN RESIDENCY PROGRAM  
BY SPECIALTIES  
"ORGANIZATION OF PHARMACEUTICAL BUSINESS»**

**Specialization:** Organization of pharmaceutical business

**Form of training:** Full-time job

**Категория Student category** - The previous level of education of a specialist is higher pharmaceutical education in the specialty "Pharmacy", qualification "Pharmacist".

Specialty	K linichesky farmatsevt
Duration of training	1 year
Semester	I-II
Total labor	intensity 76.8 credits
Total hours	2304
Practice	2024
Types of control	The exam

**Types of control**

- current monitoring;
- interim semi -annual certification;
- final state certification at the end of training.

Program The residency training program in ординатуре the specialty "Organization of Pharmaceutical business" was developed by the staff of the Department of Pharmacy Management and Economics , технологии Medicine Technology средств КГМА of the KSMAA.

I. K. Akhunbayeva:

head of the department, D. farm.PhD, prof. Cholponbaev, Ph. D., Acting Associate Professor S. Dotalieva, Ph. D., Senior lecturer Zh. S. Urmambetova, Lecturer A. R. Usupbekova, Ph. D. Асанов Е. В. Asanov, Chairman of the Pharmaceutical Association Pharmaceutical Union of Kyrgyzstan, N. T. Abdyrasulova, Head of the Department of Good Pharmaceutical Practices of the DLS and MI M3 KR.

### **Reviewers:**

Mambetalieva Ch. M., Deputy Head of the Department. directors Department лекарственных of Medicines and Medical Devices at the Ministry of Health of the Russian Federation Ministry of Health Kyrgyz Republic Republics;

Kuletov N. M., Commercial Director OOO Bimed LLC»;

Aidarov З.А., Z. A., Doctor of Medical Sciences, Professor, Head of the Department. Department of Public Health and Public Health of the I. K. Akhunbaev KSMAA.

Reviewed at the Training and methodological profile Committee of the KSMU Faculty of International Relations, Protocol no \_\_\_\_\_. ot "\_\_\_" \_\_\_\_20 y

Approved at заседании the GUMC meeting

Protocol no \_\_\_\_\_. from "\_\_\_" \_\_\_\_\_20\_\_\_\_\_y

## CONTENT

1. General provisions	
1.1. Introduction .....	3
1.2. Regulatory documents .....	5
1.3. General characteristics of the specialty .....	7
1.3.1. Goal and objectives.....	7
1.3.2. Labor intensity	8
1.3.3. Requirements for the selection of candidates for residency training .....	8
1.3.4. Area of professional activity of a specialist.....	9
1.3.5. Objects of professional activity of a specialist .....	9
1.3.6. Types of professional activity of a specialist.....	9
<b>2. Requirements for final результатам learning outcomes (CA, PC) .....</b>	<b>10</b>
<b>3. Qualification characteristics of the specialist</b> (must know, be able, have skills).....	<b>11</b>
<b>4. Требование к OBOR structure requirement ОПОП .....</b>	<b>14</b>
4.1. Minimum content of the educational program.....	14
4.2. Standard учебный curriculum .....	15
4.3. Academic programs of disciplines.....	18
4.4. Study programs дисциплин of elective subjects	18
4.5. Training programs of practices .....	19
4.6. Production bases and сроки completion dates.....	19
4.7. References .....	20
<b>5. Requirements for условиям реализации OBOR implementation conditions</b> <b>22</b>	<b>22</b>
5.1. Requirements for the teaching and learning center information support of the program.....	22
5.2. Требования к Personnel requirements for условиям implementation .....	24
5.3. Требования к Material and technical support requirements providing the program .....	25
<b>6. Requirements for evaluating освоения program development/training quality</b>	
6.1. Residency для application в ординатуру..... form	26
6.2. Feedback form for conducting ongoing контроля performance monitoring	28
6.3. ФОС Intermediate certification Feedback form	30
6.4. Final state certification .....	31

