

MATRIX OF COMPETENCIES

Specialty: code - 560005 "Pharmacy" The

list of competencies formed by the departments of KSMA within the relevant disciplines of the curriculum for the preparation of "Qualification (degree) of a graduate - specialist Pharmacist"

for the 2018-19 academic year

Code of disciplines	Name of disciplines	Number of credits	Forming competences			
			OK	SLK	IC	PK
HUMANITARIAN, SOCIAL AND ECONOMIC CYCLE						
Basic part						
B.1.1	Russian language	7	5			
B.1.2	Kyrgyz language and literature	7	1.2	1,2,3,4	2.6	
B.1.3	Foreign language	4	1,5,6	1,3	2	29
	Latin language	4	1	1,3,4,5	2	
B.1.4	History of Kyrgyzstan	3	1,2	2		
	History of medicine and pharmacy	1	1,2	1,3	2,5,6	27, 29
B.1.5	Philosophy	4	1.2	1.2		
B.1.6	Manasology	2	1.2	1.2		
Variational part						
B.1.1.	Psychology	3	1	1,2,4	1,2	29
	Total					
MATHEMATICAL AND NATURALCYCLE						
Basic part						
SCIE NTIFI CB.2. 1	Mathematics	1	1	4,5	3	
	Informatics	4	1,2	1,2,3,4, 5	1,3,5, 6	27.28.29
B.2.2	Physics	4	1	4.5	1	
B.2.3.	Chemistry	4	1		1,2,3, 6	7,9,11,29
	Biology with the basics of	2	1	1.4.5	1.3	22.29

B.2.4.	ecology					
Variable part						
B.2.1.	Parasitology	2	1	1.4	1	13.22
B.2.2.	Bioethics	2	1,2	1,2,3,4,5		20,27,29
B.2.3.	Geography of Kyrgyzstan	2	1			
	Total					
PROFESSIONAL CYCLE						
Basic part						
B.3.1.	Normal anatomy	4	1,3	1,2,3,4	1,3,4,5,6	
B.3.2.	Normal physiology	6	1.3	1.4	1.3	
B.3.3.	Pathology	6	1,3,5		3	21,22,23,28,29
B.3.4.	Microbiology	6	1.2	1	4	7.19.22
B.3.5.	Clinical Medicine	10	1,3,5	1.4	1.4	
B.3.6.	Organic chemistry	10	1,	3	1,2,3,4,5,6	5,7,9,12,15,26,27,28,29
B.3.7.	Analytical chemistry	10	1,		1,2,3,6	7,9,11,29
B.3.8.	Physical and colloidal chemistry	6	1	3	1,2,3,4,5,6	5,9,12,15,27,28,29
B 3.9	Botany	6	1	2	2.6	10,13,28,29
B.3.10	Biochemistry	6	1.2	4	1,2,3,4	29
B.3.11	Pharmacology	10	1,3,5	1,3,4,5	1,2,5,6	1,4,8,27,28,29
B.3.12	Pharmacognosy	10	1	5	1,2,3,4	5,7,19,21,22,23,26,27,28
B.3.13	Pharmaceutical chemistry	10	1	3.5	3.4	5.7.15,19,27,28
B.3.14	Technology of medicines	10	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5,6	2,5,6,10,11,15,16,17,18,

						19,20,25,27,28,29
B.3.1 5	Management and economics of pharmacy	10	1,2	1,3,4,5	1,2,3,4,5,6	1, 2,3,4,5,6,8,9,10,11,12,13,14,15,17,20,21,23,25,26,27,28,29
B.3.1 6	Fundamentals of pharmacotherapy and clinical pharmacy	10	1,3,5	1,3,4,5	1,2,5,6	1,4,8,10,21,22,27,28,29
B.3.1 7	Toxicological chemistry	6	1,2,5	1,3,4,5	1,2,3,4,5	5,21,23,26,28,29
B.3.1 8	Social pharmacy	5	1,3,5	1,3,4,5	1,2,5,6	1,4,18,19,20,27,28,29
B.3.1 9	Pharmaceutical management and marketing	6	1,5	1,3,4,5	1,2,5,6	1,2,3,9,11,14,20,21,22,23,24,27,28,29
B.3.2 0	Standardization and quality control of medicines	6	1,2,4	3,4,5	1.3 4.6	7,10,19,29
B.3.2 1	Pharmacoeconomics and Pharmacoepidemiology	5	1,3,5	1,3,4,5	1,2,5,6	1,4,6,7,20,27,28,29
Variational part						
B.3.1.	Pharmacology	2	1,3,5	1,3,4,5	1,2,5,6	1,4,8,27,28,29
B.3.2	Pharmacognosy	8	1	5	1,2,3,4	5,7,19,21,22,23,26,27,28
B.3.3.	Pharmaceutical chemistry	8	1	3.5	3.4	5.7.15.19.27.28 B.3.4
.	Technology of medicines	8	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5,6	2,5,6,10,11,15,16,17,18,19,20,25,27,28,29
B.3.5.	Management and	8	1.2	1.3.4.5	1.2.3.	1.2.3.4.5.6.8.9.10.11.12.1

	economics of pharmacy				4.5.6	3, 14,15,17,20, 21,23,25,26, 27,28,29
B.3.6	Fundamentals of pharmacotherapy and clinical pharmacy	1	1,3,5	1,3,4,5	1,2,5, 6	1, 4,8,10,21,22, 27,28,29
B.3.7.	Resource	1	1,	5	1,2,3, 4	studies5,9,13 ,15,27,28
B.3.8	Medical and pharmaceutical commodity science	3	1,2	1,2,3	1,2,4, 5,6	7, 9,10,11,12,2 0
B.3.9	Biotechnology of medicines	2	1,2,3,4,5	1,2,3,4 ,5	1,2,3, 4,5,6	5,9,11 , 12.15
V.3.1 0	Ecology	2	1.2	2.3	1,2,3, 5,6	10,12,27,28, 29
V.3.1 1	Biopharmacy	3	1	1.2	4	6,18,29
B. 3.12	General hygiene	2	1,3,4	5	6	4,9,10,11,12, 13,15,16,22, 24,29
B.3.1 3	Evidence-based medicine	1.33				27
B.3.1 4	Botany	1	1	2	2, 6	10,13,28,29
	CPV	14.5				
	Total					
	PRACTICES					
A.1.	Introductory practice on TLS (pharmaceutical propaedeutic)	2	1	1,3,5		
P.2.	Field practice in botany	1	1	2	2.6	5.14
P.3.	Field practice in pharmacognosy	2	1	5	1,2,3, 4	1,2,5,6,8,14, 28,29
P.4.	Quality control of medicines	4	1,2,4	3,4,5	1,3,4, 6	1,2,8,14,16,2 6
P.5.	Technology of medicines	4				1,2,4,5,6,11,1 4,15,17,18,2

						0,25,27,28, 29
P.6.	Pharmacy management and economics	4		4	2,3,5, 6	3,7,9,12,14,1 5,16,18,19,2 0,22,27
P.7.	First aid	1	3.5			
	Total	19				
STATE FINAL CERTIFICATION						
GA.0 1	History of Kyrgyzstan	1				
GA.0 2	Interdisciplinary complex exam	2				
	Total	3				
	Total	300				
D.0. ADDITIONAL TYPES OF PREPARATION						
E.1.	Physical culture	400 h.				8
E.2.2.	Military toxicology and medical protection	3.3	7			3.23
	Extreme medicine (HE)	3.3	7			3.24
	General military training	3	7		3	3
	OTMS	4	7			3.23
	Military medical training	700 hours.				
	Total	1100 hours.				