

Study programme **Pharmacy**

Study subjects and credits

I course

No.	Subject/Module	Credits	Semester(s)
1	General and inorganic chemistry	5	1
2	Basic animal biology	3	2
3	MODULE: Human structure and functions		
	Human anatomy	5	1
	Human physiology	5	2
4	Pharmaceutical botany	8	1,2
5	Introduction to studies	3	1
6	Analytical chemistry	4	2
7	Organic chemistry	5	2
8	Applied physics	3	2
9	Professional language:	8	1,2
	Basics of Latin Professional Terminology		1,2
	Lithuanian for foreign students I		2
	Lithuanian for foreign students II		1,2
10	Statistics, informatics, and basics of scientific research	5	1
11	Elective fundamental philosophy subjects	6	1
Total:		60	

II course

No.	Subject/Module	Credits	Semester(s)
1	Analytical chemistry	8	3, 4
2	Physical chemistry	6	3, 4
3	Organic chemistry	4	3
4	Biological chemistry	6	4
5	Microbiology	5	3
6	Pharmaceutical chemistry	4	4
7	Pathological physiology	4	3
8	MODULE: Basics of health care	12	3,4
8	Safety and health of employes (3) Nursing (3) Basics of pharmaceutical practice (3) First medical aid and disaster medicine (3)		
9	Pharmaceutical technologies	4	4
10	Lithuanian for foreign students III	4	3
11	Elective courses of humanities	3	4
Total:		60	

III course

No.	Subject/Module	Credits	Semester(s)
1	Technology of Pharmacy Drugs	7	5
2	Pharmacognosy	9	5, 6
3	Pharmaceutical chemistry	5	5
4	Search for drug substances (optional subjects)	3	5
5	Pharmacology	6	6
6	Essentials of internal diseases	4	6
7	First medical aid and disaster medicine	3	5
8	Biopharmaceutics	6	6
9	Elective Courses of special medical group	3	5
10	Elective courses of general university training	3	5
11	Elective courses of Development of Pharmacy and Pharmaceutical Economics	5	5
12	Elective Courses of Philosophy	6	6
Total:		60	

IV course

No.	Subject/Module	Credits	Semester(s)
1	Drug chemistry	9	7,8
2	Industrial pharmaceutical technology	6	7,8
3	Pharmaceutical care	9	7,8
4	Pharmacology	2	7
5	MODULE: Disease management	16	7,8
	Toxicology	6	7,8
	Clinical Pharmacy	5	7, 8
	Pharmacotherapy	5	7, 8
6	Pharmaceutical biotechnology	5	7
7	Elective courses of medicinal plants	3	8
8	Master Thesis (research project)	10	7,8
Total:		60	

V course

No.	Subject/Module name	Credits	Semester(s)
1	MODULE: Pharmacy practice	18	9, 10
2	Elective courses of Pharmaceutical Care	3	9
3	MODULE: Development of pharmaceutical products	15	9
	Drug quality		9
	Chemical analysis of phyto preparations		9
	R&D of pharmaceuticals		9
	Biopharmaceuticals		9
	Metabolism of xenobiotics		9
4	Elective courses	3	9
5	Master Thesis (research project)	20	9, 10
6	Final Examination	1	10
Total:		60	