

**STUDY FIELD – CHEMISTRY
SECOND CYCLE STUDIES (FULL-TIME STUDIES)
PROGRAMME "MEDICINAL CHEMISTRY"**

2026/2027 ACADEMIC YEAR STUDY PLAN

1ST STUDY YEAR

NO.	SUBJECT / MODULE CODE	SUBJECT / MODULE TITLE	TYPE OF SUBJECT	COORDINATING DEPARTMENT	CONTACT HOURS	CREDITS	SEMESTER / SEMESTERS	ASSESSMENT FORM
1.	P390M117*	Selected Chapters of Organic Chemistry	SK	KTU Institute of Synthetic Chemistry	64,0	6	1	Examination
2.	P390M327*	Spectroscopy of Organic Compounds	SK	KTU Department of Organic Chemistry	80,0	6	1	Examination
3.	P400M101*	Analytical and Preparative Chromatography	SK	KTU Department of Polymer Chemistry and Technology	64,0	6	1	Examination
4.	MF/BCM/MC-MU02**	Cell biology	SK	Department of Biochemistry	70,0	6	1	Examination
5.	FF/FKG/MC-MU05**	Pharmacognosy and Pharmaceutical Chemistry	SK	Department of Pharmacognosy	64,0	6	1	Examination
5.1	FF/FKG/MC-MU05/01**	Pharmacognosy		Department of Pharmacognosy	32,0	3	1	
5.2	FF/FKG/MC-MU05/02**	Pharmaceutical Chemistry		Department of Drug Chemistry	32,0	3	1	
6.	P390M116*	Selected Chapters of Medicinal Chemistry	SK	KTU Department of Organic Chemistry	64,0	6	2	Examination
7.	FF/KFK/MC-MU07**	Drug Development	SK	Department of Clinical Pharmacy	70,0	6	2	Examination
8.	GMF/BIO/MC-MU02**	Molecular Biology	SK	Institute of Biological Systems and Genetics	60,0	6	2	Examination
9.	MF/FIK/MC-MU02**	Pharmacology	SK	Institute of Physiology and Pharmacology	62,0	6	2	Examination
10.	P000M112*	Research Individual work (project) 1	SK	KTU, LSMU	12,0	6	2	Individual work (project)
Total in 1st study year:					610,0	60		

2ND STUDY YEAR

NO.	SUBJECT / MODULE CODE	SUBJECT / MODULE TITLE	TYPE OF SUBJECT	COORDINATING DEPARTMENT	CONTACT HOURS	CREDITS	SEMESTER / SEMESTERS	ASSESSMENT FORM
1.	T480M100*	Extraction of Bioactive Natural Materials	SK	KTU Department of Food Science and Technology	64,0	6	3	Examination
2.	P000M116*	Research Individual work (project) 2	SK	KTU, LSMU	12,0	12	3	Individual work (project)
3.-4.		Specialisation subject	KA	Depending on choice	82,0–157,0	12	3	Depending on choice
4.		Masters Thesis	BD	Depending on choice	10,0–80,0	30	4	Individual work (project)
Total in 2nd study year:					168,0-313,0	60		
Total in study programme:					778,0-921,0	120		

*The load of KTU modules is presented in academic hours (45 min.);

**The load of LSMU modules is given in astronomical hours (60 min.).

Specialisation subjects / Alternatives

NO.	SUBJECT / MODULE CODE	SUBJECT / MODULE TITLE	TYPE OF SUBJECT	COORDINATING DEPARTMENT	CONTACT HOURS	CREDITS	SEMESTER / SEMESTERS	ASSESSMENT FORM
1.	IAK/IAK/MC-MU02**	Molecular Immunology	KA	LSMU Clinical Department of Immunology and Allergology	77,0	6	3	Examination
2.	VF/MVI/MC-MU02**	Molecular Microbiology	KA	LSMU Institute of Microbiology and Virology	34,0	6	3	Examination
3.	MF/PAK/MC-MU02**	General and Molecular Pathology	KA	LSMU Clinical Department of Pathology	80,0	6	3	Examination
4.	FF/VTSF/MC-MU03**	Pharmaceutical Technology	KA	LSMU Department of Drug Technology and Social Pharmacy	55,0	6	3	Examination
5.	P390M012*	Synthesis of Amino Acids and Peptides	KA	KTU Department of Organic Chemistry	48,0	6	3	Examination
6.	P390M102*	Chemistry of Heterocyclic Compounds	KA	KTU Department of Organic Chemistry	80,0	6	3	Examination
7.	P390M109*	Mechanisms of Organic Reactions	KA	KTU Department of Organic Chemistry	64,0	6	3	Examination
8.	P390M120*	Drug Synthesis	KA	KTU Department of Organic Chemistry	48,0	6	3	Examination
9.	B220M001*	Genomics and Bioinformatics	KA	KTU Bioprocess Research Centre	64,0	6	3	Examination

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**The load of LSMU modules is given in astronomical hours (60 min.).

SK (*Krypties studijų dalykas (modulis) (privalomasis)*) – Study field subject (module) (compulsory)
KA (*Krypties studijų alternatyva (privalomoji alternatyva)*) – Field study alternative (compulsory alternative)
BU (*Kitos krypties studijų dalykas (modulis) (bendrauniversitetas)*) – Other field subject (module) (general university subject)
BD (*Baigiamasis darbas*) – Final thesis (project) and final examinations
SP (*Krypties studijų praktika*) – Field study practice
PP (*Programos pasirenkamas*) – Programme elective
UP (*Universitetas pasirenkamas*) – University elective