

STUDY PROGRAMME CURRICULUM CHEMISTRY

2023/2024

Name of study programme	Chemistry
Programme characteristics	
Type	academic
Cycle	bachelor
University of Ljubljana members	• Faculty of Chemistry and Chemical Technology, Večna pot 113, 1000 Ljubljana, Slovenija

Year 1

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0071969	Mathematics	Jaka Smrekar, Petar Pavešič	45		30			75	150	5	1st semester	no
2.	0071968	Physics	Igor Muševič, Janez Bonča, Svjetlana Fajfer	45		30			75	150	5	1st semester	no
3.	0071973	General chemistry	Anton Meden, Iztok Turel	45	30				75	150	5	1st semester	no
4.	0071972	Laboratory practice in general and inorganic chemistry	Franc Perdih			75			75	150	5	1st semester	no
5.	0071970	Molecular fundamentals of life sciences	Marko Novinec	45	15	15			75	150	5	1st semester	no
6.	0086930	Splošni izbirni predmet		75					75	150	5	1st semester	yes

7.	0100772	Mathematics	Jaka Smrekar, Petar Pavešič	45		30			75	150	5	2nd semester	no
8.	0100773	Physics	Igor Muševič, Janez Bonča, Svjetlana Fajfer	45		30			75	150	5	2nd semester	no
9.	0071967	Inorganic Chemistry	Anton Meden	45	30				75	150	5	2nd semester	no
10.	0100774	Laboratory practice in general and inorganic chemistry	Franc Perdih			75			75	150	5	2nd semester	no
11.	0071974	Structure and properties of solids	Amalija Golobič	30	15	30			75	150	5	2nd semester	no
12.	0071966	Analytical Chemistry I	Helena Prosen	30	30	15			75	150	5	2nd semester	no
		Total		450	120	330	0	0	900	1800	60		

Year 2

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0071975	Analytical Chemistry II	Helena Prosen	40	35				75	150	5	1st semester	no
2.	0071985	Practical course in analytical chemistry	Irena Kralj Cigić			75			75	150	5	1st semester	no
3.	0071981	Organic chemistry I	Jurij Svete	45	30				75	150	5	1st semester	no
4.	0071977	Physical Chemistry	Andrej Jamnik	50	25				75	150	5	1st semester	no
5.	0071991	Structure of atoms and molecules	Tomaž Urbič	45	30				75	150	5	1st semester	no

6.	0071971	Introduction to programming	Miha Moškon	45		30			75	150	5	1st semester	no
7.	0071982	Organic chemistry II	Jurij Svete	45	30				75	150	5	2nd semester	no
8.	0071987	Practical course in organic chemistry	Krištof Kranjc	15		60			75	150	5	2nd semester	no
9.	0100775	Physical Chemistry	Andrej Jamnik	50	25				75	150	5	2nd semester	no
10.	0071986	Practical course in physical chemistry	Jurij Lah			75			75	150	5	2nd semester	no
11.	0071990	Spectroscopy	Barbara Modec, Janez Košmrlj	30	30	15			75	150	5	2nd semester	no
12.	0086929	Strokovni izbirni predmet		75					75	150	5	2nd semester	yes
Total				440	205	255	0	0	900	1800	60		

Year 3

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0072003	Organic chemistry III	Bogdan Štefane	45	30				75	150	5	1st semester	no
2.	0072002	Organic Analysis	Janez Košmrlj	30	15	30			75	150	5	1st semester	no
3.	0071999	Instrumental Methods	Jurij Rešič, Matija Tomšič	60	15				75	150	5	1st semester	no
4.	0071995	Biological chemistry	Gregor Gunčar	30	15	30			75	150	5	1st semester	no
5.	0071998	Instrumental Analysis	Matevž Pompe	45	30				75	150	5	1st semester	no

6.	0072008	Practical course in instrumental methods and instrumental analysis	Irena Kralj Čigić, Matija Tomšič			75			75	150	5	1st semester	no
7.	0072004	Principles of chemical engineering for chemists	Matjaž Krajnc	60	15				75	150	5	2nd semester	no
8.	0086932	Splošni izbirni predmet		75					75	150	5	2nd semester	yes
9.	0086929	Strokovni izbirni predmet		75					75	150	5	2nd semester	yes
10.	0071997	Diploma work						225	225	450	15	2nd semester	no
Total				420	120	135	0	225	900	1800	60		

Year 2, Year 3, Discipline related electives

				Contact hours									
University Course Code	Course title	Lecturers		Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0086897	Razvijanje sporazumevalne zmožnosti v slovenščini	Saška Štumberger	45	30				75	150	5		yes
2.	0086898	Technical English	Primož Jurko	15	30	30			75	150	5		yes
3.	0088094									0	5		yes
Total				60	60	30	0	0	150	300	15		

Year 2, Year 3, Programme related electives

				Contact hours									
University Course Code	Course title	Lecturers		Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0086900	CHEMISTRY FOR SUSTAINABLE DEVELOPMENT	Urška Lavrenčič Štangar	15	30	30			75	150	5		yes

2.	0086904	Modern Approaches in Inorganic Chemistry	Franc Perdih	30	15	30			75	150	5		yes
3.	0086905	PRACTICAL APPROACHES IN ANALYTICAL CHEMISTRY	Nataša Gros	30	15	30			75	150	5		yes
4.	0086906	Principles of Green Chemistry	Jernej Iskra, Marjan Jereb	15	15	45			75	150	5		yes
5.	0086911	CHEMISTRY OF HETEROCYCLIC COMPOUNDS	Uroš Grošelj	30	15	30			75	150	5		yes
6.	0086912	PHYSICAL CHEMISTRY OF LIQUIDS AND SOLUTIONS	Bojan Šarac, Marija Bešter Rogač	30	45				75	150	5		yes
7.	0086914	Surface and Colloid Chemistry	Ksenija Kogej	45	30				75	150	5		yes
8.	0086916	Macromolecular Chemistry	Miha Lukšič	45	30				75	150	5		yes
9.	0086917	Inorganic Synthesis	Franc Perdih		30	45			75	150	5		yes
10.	0086918	Sintezna organska kemija	Franc Požgan	15	15	45			75	150	5		yes
11.	0086919	Chemistry of the environment	Helena Prosen	30	20	25			75	150	5		yes
12.	0086921	Industrial practice	Martin Gazvoda					150		150	5		yes
13.	0640062	Chemical Analysis of Foodstuffs	Irena Kralj Cigić	30	15	30			75	150	5		yes
Total				315	275	310	0	150	900	1950	65		