

Study plan

Faculty offering the field of study:	Faculty of Chemistry
Field of study:	chemistry
Level of study:	second cycle (MSc)
Level of the Polish Qualifications Framework:	Level 7
Degree profile:	general academic
Mode of study:	full-time programme
Number of semesters:	4
Number of ECTS credit necessary for completing a field of study on a given level:	120
Total number of teaching hours:	960+ university-wide courses

Semester 1

Name of a course module	Course name	Course code in USOS	ECTS credits	Number of hours of direct contact with the teacher or tutor – compliant with a class type ¹			Form of crediting a course ²
				L	P/S	Lab	
Basic	Theoretical chemistry	0600-S2-EN-TC	6	30		30	C, E
	Transition Metal Chemistry and Magnetochemistry	0600-S2-EN-TMCM	6	30		30	C, E
	Solid and Surface Chemistry	0600-S2-EN-SSC	6	30		30	C, E
Directional	Molecular Spectroscopy	0600-S2-EN-MS	6	30		30	C, E
Optional	Optional I	0600-S2-EN-OPTI	6	30		30	C, E
Total:			30	150		150	X

* Each subsequent semester must be described in compliance with this Semester I template.

¹ A class type in individual courses must comply with NCU regulations for determining the scope of duties of the academic staff, types of courses to be taught under these duties and the rules for calculating teaching hours.

² Graded credit, examination

Semester II

Name of a course module	Course name	Course code in USOS	ECTS credits	Number of hours of direct contact with the teacher or tutor – compliant with a class type			Form of crediting a course
				L	P/S	Lab	
Basic	Advanced Instrumental Analysis	0600-S2-EN-AIA	6	30		30	C, E
Directional	Natural and Synthetic Organic Materials	0600-S2-EN-NSOM	6	30		30	C, E
	Physical Chemistry of Materials	0600-S2-EN-PCM	6	30		30	C, E
	Crystallochemistry	0600-S2-EN-C	6	30		30	C, E
Foreign language classes	English in Chemistry II	4200-	3		30		C, E
Elective course	University-wide courses	0G-	2				C/E
Diploma project and/or diploma examination	Diploma laboratory* - individual	0600-S2-EN-SD	1			100*	C*
Total:			30	120	30	120+ 100*	X

Semester III

Name of a course module	Course name	Course code in USOS	ECTS credits	Number of hours of direct contact with the teacher or tutor – compliant with a class type			Form of crediting a course
				L	P/S	Lab	
Basic	Chemical Technology	0600-S2-EN-CT	6	30		30	C, E
Directional	Physicochemistry of Polymers	0600-S2-EN-PP	6	30		30	C, E
	Nanochemistry and Nanomaterials	0600-S2-EN-NN	6	30		30	C, E
Optional	Optional II	0600-S2-EN-OPTII	6	30		30	C, E
Practical	Practical speciality laboratory	0600-S2-EN-PSL	4			60	C, E
Diploma project and/or diploma examination	Seminar	0600-S2-EN-SD	1		15		C
	Diploma laboratory* - individual	0600-S2-EN-SD	1			50*	C*
Total:			30	120	15	180+ 50*	X

Semester IV

Name of a course module	Course name	Course code in USOS	ECTS credits	Number of hours of direct contact with the teacher or tutor – compliant with a class type			Form of crediting a course
				L	P/S	Lab	
Basic	Hyphenated Separation Techniques	0600-S2-EN-HST	6	30		30	C, E
Diploma project and/or diploma examination	Seminar	0600-S2-EN-SD	1		15		C
	Diploma laboratory* - individual	0600-S2-EN-SD	23			200*	E
Total:			30	30	15	30+200*	X

Optional:

Name of a course module	Course name	Course code in USOS	ECTS credits	Number of hours of direct contact with the teacher or tutor – compliant with a class type			Form of crediting a course
				L	P/S	Lab	
Optional	Pharmaceutical and Cosmetic Materials	0600-S2-EN-W-PCM	6	30		30	C, C
	Membrane Processes in Chemical Technology	0600-S2-EN-W-MCT	6	30		30	C, C
	Materials in Coordination Chemistry	0600-S2-EN-W-MCC	6	30		30	C, C
	Adsorbents and Catalysts	0600-S2-EN-W-AC	6	30		30	C, C

Practical speciality laboratories:

Name of a course module	Course name	Course code in USOS	ECTS credits	Number of hours of direct contact with the teacher or tutor – compliant with a class type			Form of crediting a course
				L	P/S	Lab	
Practical speciality laboratories	Conductive and Photosensible Polymer Materials	0600-S2-EN-W-CPPM	4	15		45	C, C
	Organometallic and Bioinorganic Materials	0600-S2-EN-W-OBM	4			60	C
	Carbon Materials Preparation and Properties	0600-S2-EN-W-CMPP	4			60	C

This study plan is effective as of the winter semester of the academic year 2019/2020

This study plan was adopted by the Board of the Faculty of Chemistry on 13th march 2019.

(Dean's stamp and signature)