

Chemistry / 1st cycle studies (Bachelor)

No.	Course	Semester
1	Foreign language course	winter
2	Foreign language course	summer
3	Electrochemistry of materials	winter
4	Inorganic chemistry	winter
5	Theoretical chemistry	winter
6	Basics of crystallography	winter
7	Physical chemistry II	winter
8	Organic chemistry II	winter/summer
9	Chemistry of materials	winter
10	Basics of nanomaterials	winter
11	Basics of nanotechnology	winter
12	Spectroscopic methods in chemical analysis	winter/summer
13	Physical chemistry I	summer
14	Organic chemistry I	winter/summer
15	Instrumental methods in chemical analysis	summer
16	Chemical metrology	summer
17	Analytical chemistry I	summer
18	Analytical chemistry II	winter
19	Statistical methods	summer
20	Microscopic methods in chemical analysis	winter/summer
21	Identification methods on forensic sciences	summer
22	Nanomaterials	summer
23	Surfactants and their role in nanotechnology	summer
24	Biophysics	summer
25	Microscopic methods in forensic sciences	summer
26	Chromatographic methods in the analysis of biologically active substances	summer

Chemistry / 2nd cycle studies (Master)

No.	Course	Semester	Hours
1	Instrumental methods for materials analysis	winter	45
2	Spectroscopy	winter/summer	80
3	Advanced organic chemistry*	winter	55
4	Advanced inorganic chemistry	winter	55
5	Bioanalysis	winter	30
6	Advanced analytical chemistry	winter	55
7	Bioanalysis and ecoanalysis	summer	45
8	Separation and hyphenated techniques in chemical analysis	summer	30
9	Information technology and statistics in forensic research	summer	30
10	Electrochemistry	winter	55
11	Environmental photochemical processes	winter	30
12	Chromatographic analysis	winter	45
13	MSc laboratory	winter	130
14	MSc laboratory	summer	135
15	Polymer chemistry	summer	30
16	Statistical thermodynamics	summer	15
17	Physicochemical methods of analysis	summer	75
18	Chemistry of fullerenes and carbon nanomaterials	summer	15
19	Conducting polymers	summer	30
20	The use of biosensors in contemporary medical diagnosis	summer	15
21	Current methods used in chemical analysis	summer	90
22	NMR, IR and MS in chemical analysis**	summer	30
23	Practical aspects of nanotechnology	summer	30
24	Chemical monitoring of the environment	winter	30

* This course needs already passed courses of Organic chemistry I and Organic chemistry II

** This course needs already passed courses of Organic chemistry I, Organic chemistry II and Spectroscopic methods