

1.	Field of study	Chemistry
2.	Academic year of entry	2014/2015 (winter term)
3.	Academic year for which the revised course structure applies	—
4.	Level of qualifications/degree	second-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time
7.	ISCED code	

Specialization: Computer Chemistry

A

No.	Module	E/C	form of teaching			Total ECTS	year 1						year 2							
			Total	L	O		semester 1			semester 2			semester 3			semester 4				
							L	O	E	L	O	E	L	O	E	L	O	E		
1	Chromatography	E	60	15	45	6	15	45	6											
2	Instrumental analysis	E	90	45	45	9	45	45	9											
3	Spectroscopy	E	60	30	30	6	30	30	6											
4	Theoretical chemistry	E	75	30	45	7	30	45	7											
5	Crystallography	E	45	15	30	5				15	30	5								
6	Laboratory of molecular design	Z	30	15	15	3				15	15	3								
7	Monographic lecture - Module A	Z	30	30		2				30		2								
8	Scientific information	Z	15		15	1					15	1								
9	Specialization laboratory A	Z	75		75	7					75	7								
10	Specialty Module A	E	90	45	45	6				45	45	6								
11	Specialty Subject Classes A	Z	45	30	15	5				30	15	5								
12	M.A. Seminars A	Z	30		30	3								30	3					
13	Monographic lecture - Module B	Z	45	45		3							45		3					
14	Specialization laboratory B	Z	60		60	5								60	5					
15	Specialty Module B	E	30	15	15	2							15	15	2					
16	Specialty Subject Classes B	Z	45	30	15	5							30	15	5					
17	Thesis Laboratory A	Z	120		120	12								120	12					
18	M.A. Seminars B	Z	30		30	4													30	4
19	Specialty Subject Classes C	Z	45	15	30	5												15	30	5
20	Thesis Laboratory B	Z	120		120	21													120	21
TOTAL A:			1140	360	780	117	120	165	28	135	195	29	90	240	30	15	180	30		

OTHER REQUIREMENTS

No.	Module	E/C	form of teaching			Total ECTS	year 1						year 2								
			Total	L	O		semester 1			semester 2			semester 3			semester 4					
							L	O	E	L	O	E	L	O	E	L	O	E			
1	English in Chemistry and Chemical Technology	Z	30		30	2		30	2												

OTHER REQUIREMENTS

No.	Module	E/C	form of teaching			year 1						year 2							
			Total	L	O	Total ECTS	semester 1			semester 2			semester 3			semester 4			
							L	O	E	L	O	E	L	O	E	L	O	E	
2	Wychowanie fizyczne	Z	30		30	1				30	1								
TOTAL OTHER REQUIREMENTS:			60	0	60	3	0	30	2	0	30	1	0	0	0	0	0	0	0
TOTAL:			1200	360	840	120	315	30	360	30	330	30	195	30					
TOTAL			1200																

The study ends with the awarding of a Master's Degree in the field of Chemistry: Computer Chemistry.

Legend

Each semester consists of 15 weeks

E/C - examination/course work

E - ECTS

L - lecture, O - all forms of teaching excluding lecture (practical classes, laboratory classes, discussion classes, seminar, proseminar, language classes, field practice, workshop, internship, tutoring)

Plan studiów zatwierdzony przez Radę Wydziału w dniu 27.03.2012 r.

Otrzymują:

1. Dział Kształcenia
2. Wydział Matematyki, Fizyki i Chemii
3. Dziekanat

.....
(pieczęć i podpis Dyrektora Instytutu)

.....
(pieczęć i podpis Dziekana)

1.	Field of study	Chemistry
2.	Academic year of entry	2014/2015 (winter term)
3.	Academic year for which the revised course structure applies	—
4.	Level of qualifications/degree	second-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time
7.	ISCED code	

Specialization: Medicinal Chemistry

A

No.	Module	E/C	form of teaching				year 1						year 2							
			Total	L	O	Total ECTS	semester 1			semester 2			semester 3			semester 4				
							L	O	E	L	O	E	L	O	E	L	O	E		
1	Chromatography	E	60	15	45	6	15	45	6											
2	Instrumental analysis	E	90	45	45	9	45	45	9											
3	Spectroscopy	E	60	30	30	6	30	30	6											
4	Theoretical chemistry	E	75	30	45	7	30	45	7											
5	Crystallography	E	45	15	30	5				15	30	5								
6	Laboratory of molecular design	Z	30	15	15	3				15	15	3								
7	Monographic lecture - Module A	Z	30	30		2				30		2								
8	Scientific information	Z	15		15	1					15	1								
9	Specialization laboratory A	Z	75		75	7					75	7								
10	Specialty Module A	E	90	45	45	6				45	45	6								
11	Specialty Subject Classes A	Z	45	30	15	5				30	15	5								
12	M.A. Seminars A	Z	30		30	3								30	3					
13	Monographic lecture - Module B	Z	45	45		3							45		3					
14	Specialization laboratory B	Z	60		60	5								60	5					
15	Specialty Module B	E	30	15	15	2							15	15	2					
16	Specialty Subject Classes B	Z	45	30	15	5							30	15	5					
17	Thesis Laboratory A	Z	120		120	12								120	12					
18	M.A. Seminars B	Z	30		30	4													30	4
19	Specialty Subject Classes C	Z	45	15	30	5												15	30	5
20	Thesis Laboratory B	Z	120		120	21													120	21
TOTAL A:			1140	360	780	117	120	165	28	135	195	29	90	240	30	15	180	30		

OTHER REQUIREMENTS

No.	Module	E/C	form of teaching				year 1						year 2								
			Total	L	O	Total ECTS	semester 1			semester 2			semester 3			semester 4					
							L	O	E	L	O	E	L	O	E	L	O	E			
1	English in Chemistry and Chemical Technology	Z	30		30	2		30	2												

OTHER REQUIREMENTS

No.	Module	E/C	form of teaching			Total ECTS	year 1						year 2											
			Total	L	O		semester 1			semester 2			semester 3			semester 4								
							L	O	E	L	O	E	L	O	E	L	O	E						
2	Wychowanie fizyczne	Z	30		30	1					30	1												
TOTAL OTHER REQUIREMENTS:			60	0	60	3	0	30	2	0	30	1	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL:			1200	360	840	120	315	30	360	30	330	30	330	30	195	30	195	30	30	195	30	30	30	30
TOTAL							1200																	

The study ends with the awarding of a Master's Degree in the field of Chemistry: Medicinal Chemistry.

Legend

Each semester consists of 15 weeks

E/C - examination/course work

E - ECTS

L - lecture, O - all forms of teaching excluding lecture (practical classes, laboratory classes, discussion classes, seminar, proseminar, language classes, field practice, workshop, internship, tutoring)

Plan studiów zatwierdzony przez Radę Wydziału w dniu 27.03.2012 r.

Otrzymują:

1. Dział Kształcenia
2. Wydział Matematyki, Fizyki i Chemii
3. Dziekanat

.....
(pieczęć i podpis Dyrektora Instytutu)

.....
(pieczęć i podpis Dziekana)

1.	Field of study	Chemistry
2.	Academic year of entry	2014/2015 (winter term)
3.	Academic year for which the revised course structure applies	—
4.	Level of qualifications/degree	second-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time
7.	ISCED code	

Specialization: General Chemistry

A

No.	Module	E/C	form of teaching				year 1						year 2							
			Total	L	O	Total ECTS	semester 1			semester 2			semester 3			semester 4				
							L	O	E	L	O	E	L	O	E	L	O	E		
1	Chromatography	E	60	15	45	6	15	45	6											
2	Instrumental analysis	E	90	45	45	9	45	45	9											
3	Spectroscopy	E	60	30	30	6	30	30	6											
4	Theoretical chemistry	E	75	30	45	7	30	45	7											
5	Crystallography	E	45	15	30	5				15	30	5								
6	Laboratory of molecular design	Z	30	15	15	3				15	15	3								
7	Monographic lecture - Module A	Z	30	30		2				30		2								
8	Scientific information	Z	15		15	1					15	1								
9	Specialization laboratory A	Z	75		75	7					75	7								
10	Specialty Module A	E	90	45	45	6				45	45	6								
11	Specialty Subject Classes A	Z	45	30	15	5				30	15	5								
12	M.A. Seminars A	Z	30		30	3								30	3					
13	Monographic lecture - Module B	Z	45	45		3							45		3					
14	Specialization laboratory B	Z	60		60	5								60	5					
15	Specialty Module B	E	30	15	15	2							15	15	2					
16	Specialty Subject Classes B	Z	45	30	15	5							30	15	5					
17	Thesis Laboratory A	Z	120		120	12								120	12					
18	M.A. Seminars B	Z	30		30	4													30	4
19	Specialty Subject Classes C	Z	45	15	30	5												15	30	5
20	Thesis Laboratory B	Z	120		120	21													120	21
TOTAL A:			1140	360	780	117	120	165	28	135	195	29	90	240	30	15	180	30		

OTHER REQUIREMENTS

No.	Module	E/C	form of teaching				year 1						year 2								
			Total	L	O	Total ECTS	semester 1			semester 2			semester 3			semester 4					
							L	O	E	L	O	E	L	O	E	L	O	E			
1	English in Chemistry and Chemical Technology	Z	30		30	2		30	2												

OTHER REQUIREMENTS

No.	Module	E/C	form of teaching				year 1						year 2												
			Total	L	O	Total ECTS	semester 1			semester 2			semester 3			semester 4									
							L	O	E	L	O	E	L	O	E	L	O	E							
2	Wychowanie fizyczne	Z	30		30	1					30	1													
TOTAL OTHER REQUIREMENTS:			60	0	60	3	0	30	2	0	30	1	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL:			1200	360	840	120	315	30	360	30	330	30	330	30	195	30									
TOTAL			1200																						

The study ends with the awarding of a Master's Degree in the field of Chemistry: General Chemistry.

Legend

Each semester consists of 15 weeks

E/C - examination/course work

E - ECTS

L - lecture, O - all forms of teaching excluding lecture (practical classes, laboratory classes, discussion classes, seminar, proseminar, language classes, field practice, workshop, internship, tutoring)

Plan studiów zatwierdzony przez Radę Wydziału w dniu 27.03.2012 r.

Otrzymują:

1. Dział Kształcenia
2. Wydział Matematyki, Fizyki i Chemii
3. Dziekanat

.....
(pieczęć i podpis Dyrektora Instytutu)

.....
(pieczęć i podpis Dziekana)

1.	Field of study	Chemistry
2.	Academic year of entry	2014/2015 (winter term)
3.	Academic year for which the revised course structure applies	—
4.	Level of qualifications/degree	second-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time
7.	ISCED code	

Specialization: Environmental Chemistry

A

No.	Module	E/C	form of teaching			Total ECTS	year 1						year 2							
			Total	L	O		semester 1			semester 2			semester 3			semester 4				
							L	O	E	L	O	E	L	O	E	L	O	E		
1	Chromatography	E	60	15	45	6	15	45	6											
2	Instrumental analysis	E	90	45	45	9	45	45	9											
3	Spectroscopy	E	60	30	30	6	30	30	6											
4	Theoretical chemistry	E	75	30	45	7	30	45	7											
5	Crystallography	E	45	15	30	5				15	30	5								
6	Laboratory of molecular design	Z	30	15	15	3				15	15	3								
7	Monographic lecture - Module A	Z	30	30		2				30		2								
8	Scientific information	Z	15		15	1					15	1								
9	Specialization laboratory A	Z	75		75	7					75	7								
10	Specialty Module A	E	90	45	45	6				45	45	6								
11	Specialty Subject Classes A	Z	45	30	15	5				30	15	5								
12	M.A. Seminars A	Z	30		30	3								30	3					
13	Monographic lecture - Module B	Z	45	45		3							45		3					
14	Specialization laboratory B	Z	60		60	5								60	5					
15	Specialty Module B	E	30	15	15	2							15	15	2					
16	Specialty Subject Classes B	Z	45	30	15	5							30	15	5					
17	Thesis Laboratory A	Z	120		120	12								120	12					
18	M.A. Seminars B	Z	30		30	4													30	4
19	Specialty Subject Classes C	Z	45	15	30	5												15	30	5
20	Thesis Laboratory B	Z	120		120	21													120	21
TOTAL A:			1140	360	780	117	120	165	28	135	195	29	90	240	30	15	180	30		

OTHER REQUIREMENTS

No.	Module	E/C	form of teaching			Total ECTS	year 1						year 2								
			Total	L	O		semester 1			semester 2			semester 3			semester 4					
							L	O	E	L	O	E	L	O	E	L	O	E			
1	English in Chemistry and Chemical Technology	Z	30		30	2		30	2												

OTHER REQUIREMENTS

No.	Module	E/C	form of teaching			Total ECTS	year 1						year 2												
			Total	L	O		semester 1			semester 2			semester 3			semester 4									
							L	O	E	L	O	E	L	O	E	L	O	E							
2	Wychowanie fizyczne	Z	30		30	1					30	1													
TOTAL OTHER REQUIREMENTS:			60	0	60	3	0	30	2	0	30	1	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL:			1200	360	840	120	315	30	360	30	330	30	330	30	195	30	30	195	30	30	195	30	30	30	30
TOTAL							1200																		

The study ends with the awarding of a Master's Degree in the field of Chemistry: Environmental Chemistry.

Legend

Each semester consists of 15 weeks

E/C - examination/course work

E - ECTS

L - lecture, O - all forms of teaching excluding lecture (practical classes, laboratory classes, discussion classes, seminar, proseminar, language classes, field practice, workshop, internship, tutoring)

Plan studiów zatwierdzony przez Radę Wydziału w dniu 27.03.2012 r.

Otrzymują:

1. Dział Kształcenia
2. Wydział Matematyki, Fizyki i Chemii
3. Dziekanat

.....
(pieczęć i podpis Dyrektora Instytutu)

.....
(pieczęć i podpis Dziekana)

1.	Field of study	Chemistry
2.	Academic year of entry	2014/2015 (winter term)
3.	Academic year for which the revised course structure applies	—
4.	Level of qualifications/degree	second-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time
7.	ISCED code	

Specialization: Forensic Chemistry

A

No.	Module	E/C	form of teaching			Total ECTS	year 1						year 2							
			Total	L	O		semester 1			semester 2			semester 3			semester 4				
							L	O	E	L	O	E	L	O	E	L	O	E		
1	Chromatography	E	60	15	45	6	15	45	6											
2	Instrumental analysis	E	90	45	45	9	45	45	9											
3	Spectroscopy	E	60	30	30	6	30	30	6											
4	Theoretical chemistry	E	75	30	45	7	30	45	7											
5	Crystallography	E	45	15	30	5				15	30	5								
6	Laboratory of molecular design	Z	30	15	15	3				15	15	3								
7	Monographic lecture - Module A	Z	30	30		2				30		2								
8	Scientific information	Z	15		15	1					15	1								
9	Specialization laboratory A	Z	75		75	7					75	7								
10	Specialty Module A	E	90	45	45	6				45	45	6								
11	Specialty Subject Classes A	Z	45	30	15	5				30	15	5								
12	M.A. Seminars A	Z	30		30	3								30	3					
13	Monographic lecture - Module B	Z	45	45		3							45		3					
14	Specialization laboratory B	Z	60		60	5								60	5					
15	Specialty Module B	E	30	15	15	2							15	15	2					
16	Specialty Subject Classes B	Z	45	30	15	5							30	15	5					
17	Thesis Laboratory A	Z	120		120	12								120	12					
18	M.A. Seminars B	Z	30		30	4													30	4
19	Specialty Subject Classes C	Z	45	15	30	5												15	30	5
20	Thesis Laboratory B	Z	120		120	21													120	21
TOTAL A:			1140	360	780	117	120	165	28	135	195	29	90	240	30	15	180	30		

OTHER REQUIREMENTS

No.	Module	E/C	form of teaching			Total ECTS	year 1						year 2								
			Total	L	O		semester 1			semester 2			semester 3			semester 4					
							L	O	E	L	O	E	L	O	E	L	O	E			
1	English in Chemistry and Chemical Technology	Z	30		30	2		30	2												

OTHER REQUIREMENTS

No.	Module	E/C	form of teaching			year 1						year 2								
			Total	L	O	Total ECTS	semester 1			semester 2			semester 3			semester 4				
							L	O	E	L	O	E	L	O	E	L	O	E		
2	Wychowanie fizyczne	Z	30		30	1				30	1									
TOTAL OTHER REQUIREMENTS:			60	0	60	3	0	30	2	0	30	1	0	0	0	0	0	0	0	0
TOTAL:			1200	360	840	120	315	30	360	30	330	30	330	30	195	30				
TOTAL			1200																	

The study ends with the awarding of a Master's Degree in the field of Chemistry: Forensic Chemistry.

Legend

Each semester consists of 15 weeks

E/C - examination/course work

E - ECTS

L - lecture, O - all forms of teaching excluding lecture (practical classes, laboratory classes, discussion classes, seminar, proseminar, language classes, field practice, workshop, internship, tutoring)

Plan studiów zatwierdzony przez Radę Wydziału w dniu 27.03.2012 r.

Otrzymują:

1. Dział Kształcenia
2. Wydział Matematyki, Fizyki i Chemii
3. Dziekanat

.....
(pieczęć i podpis Dyrektora Instytutu)

.....
(pieczęć i podpis Dziekana)