

1.	Field of study	Chemistry
2.	Academic year of entry	2018/2019 (summer term)
3.	Academic year for which the revised course structure applies	2018/2019
4.	Level of qualifications/degree	second-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time
7.	ISCED code	0531 (Chemistry)

Specialization: Chemistry of Construction Materials

A

No.	Module	E/C	form of teaching			Total ECTS	year 1						year 2				
			Total	L	O		semester 1			semester 2			semester 3				
							L	O	E	L	O	E	L	O	E		
1	Instrumental analysis in construction industry	E	105	45	60	6	45	60	6								
2	Molecular modelling	E	35	15	20	2	15	20	2								
3	Przedmiot interdyscyplinarny z zakresu nauk humanistycznych: Formy literatury popularnej	Z	30	30		3	30		3								
4	Quantum chemistry	E	70	30	40	5	30	40	5								
5	Solid state chemistry	E	60	30	30	4	30	30	4								
6	Specjalty Subject Classes A	Z	45	30	15	4	30	15	4								
7	Spectroscopic methods	E	45	15	30	4	15	30	4								
8	Crystallochemistry	E	45	15	30	4				15	30	4					
9	English terminology in chemistry	Z	15		15	1					15	1					
10	Module of specialization courses	E	120	75	45	12				75	45	12					
11	Monographic lectures - Module A	Z	30	30		2				30		2					
12	MSc Laboratory A	Z	45		45	4					45	4					
13	MSc Seminar A	Z	15		15	1					15	1					
14	Specjalty Subject Classes B	Z	45	30	15	4				30	15	4					
15	Use of CAD systems	Z	15		15	2					15	2					
16	Monographic lectures - Module B	Z	30	30		2								30			2
17	MSc Laboratory B	Z	120		120	19									120		19
18	MSc Seminar B	Z	30		30	2									30		2
19	Przedmiot interdyscyplinarny z zakresu nauk społecznych-Problemy Polski i współczesnego świata	Z	30	30		3								30			3
20	Specjalty Subject Classes C	Z	45	15	30	4								15	30		4
TOTAL A:			975	420	555	88	195	195	28	150	180	30	75	180	30		

Inne Wymagania

No.	Module	E/C	form of teaching			Total ECTS	year 1						year 2				
			Total	L	O		semester 1			semester 2			semester 3				
							L	O	E	L	O	E	L	O	E		
1	Professional English language	Z	30		30	2		30	2								

Inne Wymagania

No.	Module	E/C	form of teaching			year 1						year 2			
			Total	L	O	semester 1			semester 2			semester 3			
						Total ECTS	L	O	E	L	O	E	L	O	E
TOTAL Inne Wymagania:			30	0	30	2	0	30	2	0	0	0	0	0	0
TOTAL:			1005	420	585	90	420	30	330	30	255	30			
TOTAL							1005								

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

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 r.

Otrzymują:

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

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 (pieczęć i podpis Dyrektora Instytutu)

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 (pieczęć i podpis Dziekana)