

Recommended Course Sequence

Subject Chemistry								
Sem.	Module/Courses	Type	h	ECTS	ECTS-Credit Points (workload)			
					5	10	15	20
I	1 General Chemistry A							
	1.a. Experimental Lecture General Chemistry [STEOP]	VO	5	6				
	1.b. Chemistry in Aqueous Solution	VO	1	1,5				
	16 Interdisciplinary Skills <i>(Prerequisites: The prerequisites specified by the respective curricula must be met.)</i>							
	Providing the availability of places, courses corresponding to 7.5 ECTS-Credits can be freely chosen from the curricula of the Bachelor's programmes offered at the the Faculty of Biology and/or Mathematics, computer science and Physics of the University of Innsbruck, with the exception of the second teaching subject.		4	5				
	Total		10	12,5			12,5	
II	2 Inorganic Chemistry							
	2.a. Experimental Lecture Main Group Chemistry	VO	2	2,5				
	2.b. Chemistry of Subgroup Elements	VO	2	2,5				
	16 Interdisciplinary Skills							
	Providing the availability of places, courses corresponding to 7.5 ECTS-Credits can be freely chosen from the curricula of the Bachelor's programmes offered at the the Faculty of Biology and/or Mathematics, computer science and Physics of the University of Innsbruck, with the exception of the second teaching subject.		2	2,5				
	3 Subject Didactics A							
	Didactic Basics for Teaching Chemistry	VU	2	2,5				
	Total		8	10			10	
III	4 General Chemistry B							
	4.a. Chemical Calculations	VO	2	3				
	4.b. Laboratory Safety	VO	1	1,5				
	4.c. Laboratory in Chemistry in Aqueous Solution for Prospective Teachers	PR	4	3				
	5 Analytical Chemistry <i>(Prerequisites: successful completion of compulsory modules 1)</i>							
	5.a. Analytical Chemistry I	VO	3	4,5				
	Total		10	12			12	
IV	4 General Chemistry B							
	4.d. General Chemistry	PS	2	2,5				
	6 Organic Chemistry A							
	6.a. Organic Chemistry I	VO	2	2,5				
	5 Analytische Chemie <i>(Prerequisites: successful completion of compulsory modules 1)</i>							
	5.b. Basic Practical Course in Analysis for Prospective Teachers	PR	3	4				
5.c. Analytical Chemistry	PS	1	1,5					
	7 Subject Didactics B							
	7.a. Methods for Teaching Chemistry	SE	2	2,5				
	Total		10	13			13	
V	6 Organic Chemistry A							
	6.b. Organic Chemistry II	VO	2	2,5				
	6.c. Organic Chemistry	PS	2	2,5				
	7 Subject Didactics B							
	7.b. Planning, Developing and Reflecting Chemistry Lessons	SE	2	2,5				
	8 Subject Didactics C <i>(Prerequisites: successful completion of compulsory modules 1, 2 and 4)</i>							
	8.a. Practical Course Chemical Experiments at School 1	PR	3	3,5				
	Total		9	11			11	
VI	10 Physical Chemistry A							
	10.a. Energetics, Thermodynamics and Statistical Mechanics	VU	2	2,5				
	9 Organic Chemistry B <i>(Prerequisites: successful completion of compulsory module 6)</i>							
	Laboratory Course in Organic Chemistry for Prospective Teachers	PR	6	5				
	11 Biochemistry							
	11.a. Biochemistry for Biologists	VO	3	4,5				
	8 Subject Didactics C <i>(Prerequisites: successful completion of compulsory modules 1, 2, and 4)</i>							
	8.b. Practical Course Chemical Experiments at School 2	PR	4	4				
	Total		15	16			16	
VII	8 Subject Didactics C <i>(Prerequisites: successful completion of compulsory modules 1, 2, and 4)</i>							
	8.c. Evaluation of Chemistry Lessons and Diagnostic Skills	SE	2	2,5				
	10 Physical Chemistry A							
	10.b. Kinetics and Electrochemical Basics	VU	2	2,5				
	12 Subject Didactics D <i>(Prerequisites: successful completion of compulsory modules 3 and 7)</i>							
	Professional Approach to Teaching Chemistry	SE	2	2,5				
	13 Practical Course in Chemistry <i>(Prerequisites: successful completion of compulsory modules 3, 4 and 7)</i>							
	Subject-Related Practical Course	PR	1	5				
	Total		7	12,5			12,5	
VIII	14 Physical Chemistry B <i>(Prerequisites: successful completion of compulsory module 10)</i>							
	Practical Course in Physical Chemistry for Prospective Teachers	PR	4	5				
	11 Biochemistry							
	11.b. Biochemical Practical Course for Prospective Teachers	PR	3	3				
	15 Bachelor's Thesis							
	15.a. Bachelor's Thesis			4				
	15.b. Seminar with Bachelor's Thesis	SE	1	1				
	Total		8	13			13	

Recommended Course Sequence

Total		77	100
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Recommended Course Sequence

Education Studies									
Sem.	Module/Courses	Type	h	ECTS	thereof pedagogical-practical studies per ECTS-Credits	ECTS-Credit Points (workload)			
						5	10	15	20
I	1 Introduction to Teaching: Becoming a Professional								
	1.a. School as an Educational Institution and Role of the Teacher [STEOP]	VO	2	2	0				
	1.b. School as an Educational Institution and Role of the Teacher	PS	2	2	2				
	Total		4	4	2	4			
II	1 Introduction to Teaching: Becoming a Professional								
	1.c. Dealing with the Challenges as a Teacher at School – Teaching Practice I	PR	2	3,5	3,5				
	Total		2	3,5	3,5	3,5			
III	2 Learning, Teaching and Research in the Context of Diversity (<i>Prerequisites: successful completion of Compulsory Module 1</i>)								
	2.a. Learning and Teaching in the Context of Diversity	VO	2	2	0				
	2.b. Learning and Teaching in the Context of Diversity	PS	1	2	1				
	2.c. Educational Research and Development of School and Teaching	VO	1	1,5	0				
	2.d. Educational Research and Development of School and Teaching	PS	1	2	1				
Total		5	7,5	2	7,5				
IV	3 Diagnosing, Counselling, Educating, Teaching, and Assessing (<i>Prerequisites: successful completion of Compulsory Module</i>)								
	3.a. Diagnosing and Counselling	VO	2	2	0				
	3.b. Diagnosing and Counselling	PS	2	2	1				
Total		4	4	1	4				
V	3 Diagnosing, Counselling, Educating, Teaching, and Assessing (<i>Prerequisites: successful completion of Compulsory Module</i>)								
	3.c. Educating and Assessing – Teaching Practice II	PR	2	3,5	2,5				
Total		2	3,5	2,5	3,5				
VI	4 Profession-specific profiling as a teacher in the occupational field of school I (<i>Prerequisites: successful completion of Compulsory Modules 1</i>)								
	Profession-specific knowledge and action	PS	2	2,5	2,5				
Total		2	2,5	2,5	2,5				
VII	5 Profession-specific profiling as a teacher in the occupational field of school II (<i>Prerequisites: successful completion of Compulsory Modules 2, 3 and 4</i>)								
	5.a. Profession-specific knowledge and action Teaching Practice IIIa and IIIb	PR	2	7,5	7,5				
	Total		2	7,5	7,5	7,5			
VIII	5 Profession-specific profiling as a teacher in the occupational field of school II (<i>Prerequisites: successful completion of Compulsory Modules 2, 3 and 4</i>)								
	5.b. Integration of profession-specific competences	PS	2	2,5	2				
Total		2	2,5	2	2,5				
I - VIII	6 Current Topics in School and Education Research								
	One course with a total of 2.5 ECTS-Credits must be selected from the following topical areas:								
	VO Gender Sensitivity in the Educational System								
	VO Inclusion and Heterogeneity in the Educational System								
	VO Multilingualism and Interculturality in the Educational System								
	VO Plurality of World Views								
Total		2	2,5		2,5				
III - VIII	7 Current Topics in School and Education Research								
	Courses for advanced study of the topics of modules 1 to 4 or courses on topics in current education science of the accordingly marked course offer resp.								
Total		2	2,5	0,5	2,5				
Total			27	40	23,5				

* additionally, 10 ECTS-Credit per subject out of didactics is given

Composition of pedagogical-practical studies

Bachelor's Programmes: 23,5 ECTS-Credits educational basics + 10 ECTS-Credits didactics

Master's Programmes: 5 ECTS-Credits educational basics + 2 ECTS-Credits didactics