

# Recommended Course Sequence

Subject Chemistry									
Sem.	Module/Courses	Type	h	ECTS	ECTS-Credit Points (workload)				
					5	10	15	20	
Providing the availability of places, courses corresponding to 2.5 ECTS-Credits can be chosen from the curricula of the Bachelor's and Master's Programmes at the Faculty of Chemistry and Pharmacy.									
<b>I</b>	3 Protein Biochemistry Biochemistry	PS	2	2,5					
	4 Advanced Study of Physical Chemistry Advanced Concepts in Physical Chemistry	VU	2	2,5					
	6 Interdisciplinary Skills <i>(Prerequisites: The registration requirements specified in the respective curricula must be met.)</i> Courses corresponding to 2.5 ECTS-Credits from the curricula of the Bachelor's and Master's Programmes at the Faculty of Chemistry and Pharmacy.				2,5				
	<b>Total</b>			<b>4</b>	<b>7,5</b>	<b>7,5</b>			
<b>II</b>	1 Basic Instrumental Analysis 1.a. Environmental Analysis	VO	1	1,5					
	2 Structure and Structure Elucidation 2.a. Quantum Mechanics and Visualization Techniques 2.b. Structure Determination: Mass Spectroscopy and Nuclear Magnetic Resonance Spectroscopy	VU VU	3 1	3,5 1,5					
	5 Subject-Specific Education 5.b. Theories in Subject-Specific Education Research	VO	1	2					
	<b>Total</b>			<b>6</b>	<b>8,5</b>	<b>8,5</b>			
<b>III</b>	1 Basic Instrumental Analysis 1.b. Practical Training Course in Instrumental Analysis for Teacher Training Students	PR	3	6					
	5 Subject-Specific Education 5.a. Didactics for Teaching Chemistry in Upper Secondary Schools	SE	2	3					
<b>Summe</b>					<b>5</b>	<b>9</b>	<b>9</b>		
<b>IV</b>	Master's Thesis und Defensio (If written in this subject)				5				
	a. Conception of the Master's Thesis				22,5				
	b. Master's Thesis				2,5				
	c. Defensio				2,5				
<b>Total</b>					<b>30</b>	<b>30</b>	<b>30</b>		

Courses out of Elective Modules with a total of 20 ECTS-Credits must be passed in the Master's Programme

# 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
<b>I</b>	1 Research and Professionalisation								
	1.a. School Development and Professional Community	VO	2	2					
	1.b. A course corresponding to 3 ECTS-Credits must be selected from the following subject areas: Learning Research, Teacher Education & Professionalisation, School Research, Leadership and School Development Research.	VU	2	3					
<b>Total</b>				4	5	5			
<b>II</b>	1 Research and Professionalisation								
	1.c. Research in the Field of Formal Education and Teaching Practice IV	PR	3	7,5	6,5				
<b>Total</b>				3	7,5	6,5	7,5		
<b>III</b>	2 Education Laboratory <i>(successful completion of compulsory module 1)</i>								
	2.a. Education Laboratory – Reflection and Development in a Pedagogical Context	SE	2	3					
	2.b. Courses for advanced study of issues, problems and topical areas in education science from the correspondingly marked course programme.		2	2					
<b>Total</b>				4	5	5			
<b>I-III</b>	3 Detailed Aspects of School and Education in Research								
	3.a. One of the following lectures corresponding to 2.5 ECTS-Credits must be selected: Gender Sensitivity in the School and Education System II, Inclusion and Heterogeneity in the School and Education System II, Everyday-Life-Related Multilingualism and Interculturality in the School and Education System II, Plurality of Worldviews II.	VO	2	2,5					
<b>Summe</b>				2	2,5	2,5			
<b>IV</b>	Master's Thesis und Defensio (If written in Education Studies)								
	a. Conception of the Master's Thesis			5					
	b. Master's Thesis			22,5					
	c. Defensio			2,5					
<b>Total</b>				30	5*	30			

Courses out of Elective Modules with a total of 20 ECTS-Credits must be passed in the Master's Programme

\* additionally, 1 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: 6,5 ECTS-Credits educational basics + 2 ECTS-Credits didactics