

Recommended Course Sequence

Subject Physics									
Sem.	Module/Courses	Type	h	ECTS	ECTS-Credit Points (workload)				
					5	10	15	20	
I	1 Preparatory Course in Mathematics								
	1.a. Preparatory Course in Mathematics	VO	1	1					
	1.b. Preparatory Course in Mathematics	PS	1	1,5					
	3 Physics I: Mechanics and Thermodynamics								
	3.a. Physics I: Mechanics and Thermodynamics [STEOP]	VO	4	6					
3.b. Physics I: Mechanics and Thermodynamics	PS	2	4						
Total				8	12,5				12,5
II	2 Mathematical Methods of Physics for Prospective Teachers								
	2.a. Mathematical Methods of Physics for Prospective Teachers	VO	3	4,5					
	2.b. Mathematical Methods of Physics for Prospective Teachers	PS	2	3					
	4 Physics II: Electromagnetism and Optics								
	4.a. Physics II: Electromagnetism and Optics	VO	5	7					
4.b. Physics II: Electromagnetism and Optics	PS	2	3						
Total				12	17,5				17,5
III	9 Theoretical Physics 1 for Prospective Teachers								
	Theoretical Physics 1 for Prospective Teachers: Mechanics	VU	4	5					
	12 Subject Didactics 1								
	12.a. Basics of Subject Didactics	VU	2	2,5					
12.b. Methods in Subject Didactics and their Application	PS	2	2,5						
Total				10	10				10
IV	6 Physics Laboratory <i>(Prerequisites: successful completion of compulsory modules 3 and 4)</i>								
	Physics Laboratory 1	PR	4	7,5					
	13 Subject Didactics 2								
	13.a. Preconcepts and Models in the Physics Classroom	VO	2	2,5					
13.b. Developing, Planning and Reflecting Physics Lessons	PS	2	2,5						
Total				8	12,5				12,5
V	5 Physics of Matter								
	5.a. Atomic and Quantum Physics	VO	3	3,5					
	5.b. Atomic and Quantum Physics	PS	2	3					
	5.c. Structure of Matter	VO	2	2					
	5.d. Structure of Matter	PS	1	1,5					
14 Classroom Experiments									
Classroom Experiments	PR	5	5						
Total				13	15				15
VI	8 Astronomy and Astrophysics								
	Astronomy and Astrophysics	VU	2	2,5					
	10 Theoretical Physics 2 for Prospective Teachers								
	Theoretical Physics 2 for Prospective Teachers: Electrodynamics	VU	4	5					
15 Seminar Subject Didactics									
Seminar Subject Didactics: Secondary Level 1	SE	2	2,5						
Total				8	10				10
VII	7 Physics in Everyday Life, Historical Aspects of Physics								
	7.a. Physics in Context	VO	2	2,5					
	7.b. History of Physics	VO	2	2,5					
11 Subject-Related Practical Course <i>(Prerequisites: successful completion of compulsory modules 6, 12 and 14)</i>									
Subject-Related Practical Course	PR	1	5						
Total				5	10				10
VIII	17 Interdisciplinary Skills <i>(Prerequisites: The prerequisites specified by the respective curricula must be met.)</i>								
	Providing the availability of places, courses amounting to 5 ECTS-Credits can be freely chosen from the Bachelor and Diploma Programmes offered at the University of Innsbruck, with the exception of the second teaching subject. It is recommended to pick courses in natural sciences and technology, science ethics and on gender-specific aspects, inclusive education, multilingualism, media pedagogy etc.								
	16 Bachelor's Thesis <i>(Prerequisites: successfully completed courses with a total of 65 ECTS-Credits from the compulsory modules 1 – 15 and 17)</i>								
Seminar with Bachelor's Thesis	SE	2	7,5						
Total				2	12,5				12,5
Total			66	100					

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					
	1.b. School as an Educational Institution and Role of the Teacher		PS	2	2					
	Total			4	4					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					
	Total			2	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					
	2.b. Learning and Teaching in the Context of Diversity		PS	1	2					
	2.c. Educational Research and Development of School and Teaching		VO	1	1,5					
	2.d. Educational Research and Development of School and Teaching		PS	1	2					
Total			5	7,5					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					
	3.b. Diagnosing and Counselling		PS	2	2					
Total			4	4					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					
Total			2	3,5					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					
Total			2	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					
Total			2	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					
Total			2	2,5					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		VO	2	2,5						
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					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