Recommended Course Sequence

Sem.	Module/Courses	Type	h	ECTS	ECTS-Credit Points (workload)			
	Subject Computer Science				**5**	**10**	**15**	**20**
I	1 Introduction to Programming							
	1.a. Introduction to Programming [STEOP]	VO	3	4,5				
	1.b. Introduction to Programming	PS	2	3				
	2 Introduction to Practical Computer Science							
	2.a. Introduction to Practical Computer Science	VO	2	3				
	2.b. Introduction to Practical Computer Science	SL	1	2				
	Total		8	12,5	12,5			
II	5 Algorithms and Data Structures							
	5.a. Algorithms and Data Structures	VO	3	4,5				
	5.b. Algorithms and Data Structures	PS	2	3				
	7 Programming Methodology							
	7.a. Programming Methodology	VO	3	4,5				
	7.b. Programming Methodology	PS	2	3				
	Total		10	15		15		
III	3 Introduction to Technical Computer Science							
	3.a. Introduction to Technical Computer Science	VO	2	3				
	3.b. Introduction to Technical Computer Science	PS	1	2				
	4 Introduction to Theoretical Computer Science							
	4.a. Introduction to Theoretical Computer Science	VO	2	3				
	4.b. Introduction to Theoretical Computer Science	PS	1	2				
	Total		6	10	10			
IV	6 Discrete Mathematics							
	6.a. Discrete Mathematics	VO	3	4,5				
	6.b. Discrete Mathematics	PS	2	3				
	10 Communication Systems							
	Communication Systems	VO	2	2,5				
	11 Didactics of Computer Science							
	11.a. Introduction to Didactics of Computer Science	VO	2	2				
	Total		9	12	12			
V	8 Database Systems							
	8.a. Database Systems	VO	3	4,5				
	8.b. Database Systems	PS	2	3				
	11 Didactics of Computer Science *(Prerequisites: successful completion of compulsory modules 1 to 4)*							
	11.b. Methods of Teaching Computer Science	VO	2	3				
	12 Computer Science in Schools *(Prerequisites: successful completion of compulsory modules 1, 4, 7, 10)*							
	12.a. Network and System Administration in Schools	PR	3	3,5				
	Total		10	14		14		
VI	9 Operating Systems							
	9.a. Operating Systems	VO	3	4,5				
	9.b. Operating Systems	PS	2	3				
	11 Didactics of Computer Science							
	11.c. Didactics of Computer Science	SE	2	2,5				
	12 Computer Science in Schools *(Prerequisites: successful completion of compulsory modules 1, 4, 7, 10)*							
	12.b. Application Software in Schools	PR	2	2				
	12.c. Programming at School	PR	2	2				
	Total		11	14		14		
VII	14 Subject Related Practical Course *(Prerequisites: successful completion of compulsory modules 11 and 12)*							
	Subject Related Practical Course	PR	1	5				
	Individual choice of specialisation							
	For individual choice of specialisation, modules from the Bachelor's Programme Computer Science at the University of Innsbruck, with the exception of the modules 22 (Seminar with Bachelor's Thesis) and 23 (Interdisciplinary Skills), corresponding to 10 ECTS-Credits must be chosen. The prerequisites specified by the curriculum must be met.			5				
	Total		1	10		10		
VIII	Individual choice of specialisation							
	For individual choice of specialisation, modules from the Bachelor's Programme Computer Science at the University of Innsbruck, with the exception of the modules 22 (Seminar with Bachelor's Thesis) and 23 (Interdisciplinary Skills), corresponding to 10 ECTS-Credits must be chosen. The prerequisites specified by the curriculum must be met.			5				
	13 Bachelor's Thesis							
	Seminar with Bachelor's Thesis	SE	2	7,5				
	Total		2	12,5	7,5			
	Total		63	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	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 *(Prerequisites: successful completion of Compulsory Module 1)*								
	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 *(Prerequisites: successful completion of Compulsory Module*								
	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 *(Prerequisites: successful completion of Compulsory Module*								
	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 *(Prerequisites: successful completion of Compulsory Modules 1)*								
	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 *(Prerequisites: successful completion of Compulsory Modules 2, 3 and 4)*								
	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 *(Prerequisites: successful completion of Compulsory Modules 2, 3 and 4)*								
	5.b. Integration of profession-specific competences	PS	2	2,5	2				
	Total		2	2,5	2	2,5			
II - VIII	6 Current Topics in School and Education Research								
	6.a. 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.		2	2,5	0,5				
	6.b. 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 Heterogenity in the Educational System VO Multilingualism and Interculturality in the Educational System VO Plurality of World Views	VO	2	2,5	0				
	Total		4	5	0,5	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