

Bachelor Computer Science C 033 521 (180 ECTS)

**Student
Registration Number**

University of Innsbruck

University:

1. Semester	Type	SStd	ECTS	Courses	SStd	ECTS
Introduction to Programming	VO	3	4,5			
Introduction to Programming	PS	2	3			
Introduction to Practical Computer Science	VO	2	3			
Introduction to Practical Computer Science	SL	1	2			
Introduction to Technical Computer Science	VO	2	3			
Introduction to Technical Computer Science	PS	1	2			
Introduction to Theoretical Computer Science	VO	2	3			
Introduction to Theoretical Computer Science	PS	1	2			
Linear Algebra	VO	3	4,5			
Linear Algebra	PS	2	3			
		19	30			

2. Semester	Type	SStd	ECTS	Courses	SStd	ECTS
Algorithms and Data Structures	VO	3	4,5			
Algorithms and Data Structures	PS	2	3			
Operating Systems	VO	3	4,5			
Operating Systems	PS	2	3			
Discrete Mathematics	VO	3	4,5			
Discrete Mathematics	PS	2	3			
Programming Methodology	VO	3	4,5			
Programming Methodology	PS	2	3			
		20	30			

3. Semester	Type	SStd	ECTS	Courses	SStd	ECTS
Analysis	VO	2	3			
Analysis	PS	1	2			
Database Systems	VO	3	4,5			
Database Systems	PS	2	3			
Design of Software Systems	VO	2	3			
Design of Software Systems	PS	1	2			
Functional Programming	VO	2	3			
Functional Programming	PS	1	2			
Logic	VO	3	4,5			
Logic	PS	2	3			
		19	30			

4. Semester	Type	SStd	ECTS	Courses	SStd	ECTS
Computer Graphics	VO	2	3			
Computer Graphics	PS	1	2			
Introduction to Autonomous and Intelligent Systems	VO	2	3			
Introduction to Autonomous and Intelligent Systems	PS	1	2			
Introduction to Scientific Working	PS	2	2,5			
Computer Networks and Internet Technology	VO	3	4,5			
Computer Networks and Internet Technology	PS	2	3			
Software Engineering and Project Management	VO	3	3			
Software Engineering and Project Management	PS	3	7			
		19	30			

5. & 6. Semester	Type	SStd	ECTS	Courses	SStd	ECTS
Specialisation Seminar	SE	1	2,5			
Seminar with Bachelor Thesis	SE	1	20			
Distributed Systems	VO	2	3			
Distributed Systems	PS	1	2			
Interdisciplinary Skills			7,5			
Elective Modules (5 out of the 14 modules have to be selected)		15	25			
			60			

14 Wahlmodule

Architecture and Implementation of Database Systems	VO	1	2			
Architecture and Implementation of Database Systems	PS	2	3			
Introduction to Computer Vision	VO	2	3			
Introduction to Computer Vision	PS	1	2			
Introduction to Parallel Computing and Parallel Algorithms	VO	2	3			
Introduction to Parallel Computing and Parallel Algorithms	PS	1	2			
Introduction to Machine Learning	VO	2	3			
Introduction to Machine Learning	PS	1	2			
Information Theory and Cryptology	VO	2	3			
Information Theory and Cryptology	PS	1	2			
Artificial Intelligence	VO	2	3			
Artificial Intelligence	PS	1	2			
Logic Programming	VO	2	3			
Logic Programming	PS	1	2			
Concurrent Programming	VO	2	3			
Concurrent Programming	PS	1	2			
Programming of Sensor Networks	VO	1	1,5			
Programming of Sensor Networks	PS	2	3,5			
Programming of Web Information Systems	VO	1	2			
Programming of Web Information Systems	PS	2	3			
Process Modelling	VO	2	3			
Process Modelling	PS	1	2			
Software Quality	VO	2	3			
Software Quality	PS	1	2			
Term Rewriting	VO	2	3			
Term Rewriting	PS	1	2			
Web Services	VO	1	2			
Web Services	PS	2	3			