

Master Computer Science C 066 921 (120 ECTS)

Student

Registration Number

University of Innsbruck

University:

Compulsory Modules	Type	SStd	ECTS	Course	SSTd	ECTS
Compiler Construction	VO	2	3			
Compiler Construction	PS	1	2			
Formal Language and Automata Theory	VO	2	3			
Formal Language and Automata Theory	PS	1	2			
Master Seminar 1	SE	2	5			
Master Seminar 2	SE	2	5			
Specialisation Module			20			
			40			

Master Thesis			27,5			
Defensio of the Master Thesis			2,5			
			30			

Elective Modules (5 modules out of the modules 1 to 20 have to be selected)		25	50			
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1. Automated Reasoning

Computational Logic	VO	2	4			
Automatic Theorem Proving	VO	2	4			
Automated Reasoning	PS	1	2			

2. Computer Vision

Visual Geometry	VO	1	2			
Advanced Topics in Computer Vision	SE	2	4			
Programming Project Computer Vision	PR	2	4			

3. Data Warehouse Systems

Data Warehouse Systems	VO	2	4			
Data Warehouse Systems	PS	1	2			
Data Warehouse Systems	SE	2	4			

4. Enterprise Architecture

Business and Processes Workflows	VO	2	4			
Business and Processes Workflows	PS	1	2			
IT Governance	VO	1	2			
IT Governance	PS	1	2			

5. Decision Procedures

Theory of Decision Procedures	VO	2	4			
Practice of Decision Procedures	VO	1	2			
Theory and Practice of Decision Procedures	PS	2	4			

6. Vehicular Networks

Vehicular Networks	VO	2	4			
Vehicular Networks	PS	3	6			

7. Advanced Compiler Construction

Advanced Compiler Construction	VO	2	4		
Advanced Compiler Construction	PS	1	2		
Advanced Topics in Compiler Construction	SE	2	4		

8. Advanced Communication Systems

Advanced Communication Systems	VO	2	4		
Advanced Communication Systems	PS	3	6		

9. Advanced Concepts and Techniques in Software Engineering

Advanced Concepts and Techniques in Software Engineering	VO	2	4		
Advanced Concepts and Techniques in Software Engineering	PS	1	2		
Advanced Concepts and Techniques in Software Quality	VO	2	4		

10. Advanced Distributed and Parallel Systems

Advanced Distributed and Parallel Systems	VO	2	4		
Advanced Distributed and Parallel Systems	PS	3	6		

11. Information Retrieval

Information Retrieval	VO	3	6		
Information Retrieval	PS	2	4		

12. Information Security

Information Security	VO	2	4		
Information Security	PS	2	4		
IT Security Architectures	VO	1	2		

13. Interactive Theorem Proving

Interactive Theorem Proving	VO	2	4		
Interactive Theorem Proving	PS	3	6		

14. Machine Learning

Advanced Machine Learning	VO	2	4		
Advanced Machine Learning	PS	1	2		
Probabilistic Models and Inference	VO	1	2		
Probabilistic Models and Inference	PS	1	2		

15. Network Security

Network Security	VO	2	4		
Network Security	PS	3	6		

16. New Database Models

New Database Models	VO	3	6		
New Database Models	PS	2	4		

17. Parallel Systems

Parallel Systems	VO	2	4		
Parallel Systems	PS	3	6		

18. Semantic Web

Semantic Web	VO	3	6		
Semantic Web	PS	2	4		

19. Semantic Web Services

Semantic Web Services	VO	3	6		
Semantic Web Services	PS	2	4		

20. Web Engineering

Web Engineering	VO	3	6		
Web Engineering	PS	2	4		