

Courses offered in the winter term 2024/25 for M.Sc. Computer Science

Course	Lecturer	AUT					STE					VC				
		Obligatory	Core	Extended	Breadth	Elective	Obligatory	Core	Extended	Breadth	Elective	Obligatory	Core	Extended	Breadth	Elective
Advanced mathematics for signal and information processing	B. Yang					x					x					x
Computer Vision	A. Bruhn		x	x		x				x	x		x	x		x
Data-Warehousing, Data-Mining und OLAP	B. Mitschang				x	x		x	x		x				x	x
Datenbanken und Informationssysteme	H. Schwarz					x					x				x	x
Digitale Systeme/Digital System Design	S. Simon		x	x		x				x	x				x	x
Distributed Systems: Concepts and Architectures (PO 2019: Distributed Systems II) - part 1	C. Becker		x	x		x				x	x				x	x
Distributed Systems: Foundations (PO 2019: Distributed Systems I)	M. Aiello		x	x		x				x	x				x	x
Electronic design Automation	I. Polian			x		x				x	x				x	x
Embedded Systems Engineering	M. Radetzki		x	x		x				x	x				x	x
Foundation Models	M. Niepert, A. Roitberg		x	x		x				x					x	x
Information Integration	A. Roth				x	x		x	x		x				x	x
Information Retrieval und Text Mining	N.T. Vu					x					x					x
Information Visualization and Visual Analytics	S. Koch				x	x				x	x		x	x		x
Introduction to Modern Cryptography	R. Küsters				x	x				x	x				x	x
Machine Perception and Learning	A. Bulling, A. Roitberg		x	x		x				x	x		x	x		x
Mathematical Foundations of Post-Quantum Cryptography	R. Küsters				x	x				x	x				x	x
Mobile Robotics	K. Arras		x	x		x				x					x	x
Program Analysis	M. Pradel				x	x				x	x				x	x
Real-time Concepts for Embedded Systems	F. Dürr		x	x		x				x	x				x	x
Selbstorganisierende und adaptive Systeme (Self-Organizing and Adaptive Systems)	C. Becker			x		x				x	x				x	x
Service Management and Cloud Computing, and Evaluation	K. Klöckner				x	x		x	x		x				x	x
Speech Signal Processing and Microphone Array Processing	W. Wokurek					x					x					x
Signal processing and Analysis of Human Brain Potentials	B. Ehinger				x	x				x	x			x		x
Simulation Software Engineering	B. Uekermann				x	x				x					x	x
Theoretical and Methodological Foundations of Autonomous Systems	M. Niepert	x				x					x				x	x
Theoretical and Methodological Foundations of Service Technology and Engineering	S. Funke				x	x	x				x			x		x
Theoretical and Methodological Foundations of Visual Computing	D. Weiskopf, M. Sedlmair			x		x				x	x	x				x

Not mentioned here are advanced seminars, lab courses, research projects and the thesis