Curriculum

Semester Credit Units | ECTS-Credits

		Semeste	er Credit U	nits ECTS	-Credits	
INFORMATICS	1	2	3	4	5	6
Systems Planning	4 5					
Programming Techniques	4 5					
Methods of Software Development I	4 5					
Computer Architecture & Embedded Systems		4 5				
Methods of Software Development II		4 5				
Operating Systems			4 5			
Data Networks			4 5			
Databases I			4 5			
Software Engineering I			4 5			
Development of Mobile Systems			4 5			
Databases II & Big Data				4 5		
Smart Systems & Machine Learning				4 5		
Information Systems Architecture				4 5		
Software Engineering II				4 5		
Human Technology Interaction					4 5	
Current Technologies					4 5	
Distributed Systems					4 5	
IT Security					4 5	
Integrative Overall Project					4 5	
FUNDAMENTALS IN MATHEMATICS & TECHNICAL SCIENCE	1	2	3	4	5	6
Logic & Computability	4 5					
Mathematics for Software Engineering		4 5				
Algorithms & Data Structures		4 5				
FUNDAMENTALS IN BUSINESS & INTERDISCIPLINARY COMPETENCES	1	2	3	4	5	6
eCollaboration	4 5					
Academic Writing	4 5					
General Business Administration		4 5				
Business Solutions (ERP, MIS)		4 5				
Project & Process Management			4 5			
Information Law				4 5		
IT Strategy				4 5		
Digital Ethics					4 5	
Digital Business						4 5
BACHELOR THESIS WITH ACCOMPANYING SEMINAR	1	2	3	4	5	6
Bachelor Thesis with accompanying Seminar & Bachelor Examination						1 15
INTERNSHIP / PROFESSIONAL EXPERIENCE	1	2	3	4	5	6
Integrative Internship						10
SEMESTER CREDIT UNITS ECTS-CREDITS	24 30	24 30	24 30	24 30	24 30	5 30
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