

## curriculum.

### Semester Credit Units | 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 Computer Interaction				4   5		
Current Technologies					4   5	
Distributed System					4   5	
IT-Security					4   5	
Integrative Overall Project					4   5	

FUNDAMENTALS IN MATHEMATICS & TECHNICAL SCIENCE	1	2	3	4	5	6
Logic & Predictability	4   5					
Mathematics & Statistics		4   5				
Algorithms & Data Structures		4   5				

FUNDAMENTALS IN BUSINESS & INTERDISCIPLINARY COMPETENCES	1	2	3	4	5	6
eCollaboration	4   5					
General Business Administration	4   5					
Academic & Professional English Communication		4   5				
Business Solutions (ERP, MIS)			4   5			
Project & Process Management			4   5			
Information Law				4   5		
International Culture & Ethics in Business					4   5	
IT-Governance					4   5	
Digital Business						4   5

SCIENTIFIC WORK & ACADEMIC WRITING	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						1   10

SEMESTER CREDIT UNITS   ECTS-CREDITS	1	2	3	4	5	6
	24   30	24   30	24   30	24   30	24   30	5   30

## studienplan.

### Semesterwochenstunden | ECTS-Credits

INFORMATIK	1	2	3	4	5	6
Systemplanung	4   5					
Programmiertechnik	4   5					
Methoden der Softwareentwicklung I + II	4   5					
Rechnerstrukturen & Embedded Systems		4   5				
Methoden der Softwareentwicklung II		4   5				
Betriebssysteme		4   5				
Datennetze			4   5			
Datenbanken I			4   5			
Software Engineering I			4   5			
Entwicklung mobiler Systeme			4   5			
Datenbanken II & Big Data				4   5		
Smart Systems & Machine Learning				4   5		
Architektur von Informationssystemen				4   5		
Software Engineering II				4   5		
Human Computer Interaction				4   5		
Current Technologies					4   5	
Verteilte Systeme					4   5	
IT-Sicherheit					4   5	
Integratives Gesamtprojekt					4   5	

MATHEMATISCHE, NATURWISSENSCHAFTLICHE & TECHNISCHE GRUNDLAGEN	1	2	3	4	5	6
Logik & Berechenbarkeit	4   5					
Mathematik & Statistik		4   5				
Algorithmen & Datenstrukturen		4   5				

FÄCHERÜBERGREIFENDE KOMPETENZEN	1	2	3	4	5	6
eCollaboration	4   5					
Allgemeine Betriebswirtschaftslehre	4   5					
Academic & Professional English Communication		4   5				
Business Solutions (ERP, MIS)			4   5			
Projekt- & Prozessmanagement			4   5			
Informationsrecht				4   5		
International Culture & Ethics in Business					4   5	
IT-Governance					4   5	
Digital Business						4   5

WISSENSCHAFTLICHES ARBEITEN & SCHREIBEN	1	2	3	4	5	6
Bachelorarbeit mit Begleitseminar & Bachelorprüfung						1   15

BERUFSPRAKTIKUM / BERUFSPRAXIS	1	2	3	4	5	6
Integratives Berufspraktikum						1   10

SEMESTERWOCHENSTUNDEN   ECTS-CREDITS	1	2	3	4	5	6
	24   30	24   30	24   30	24   30	24   30	5   30