

1. Semester (WS)	2. Semester (SuSe)	3. Semester (WS)	4. Semester (SuSe)	5. Semester (WS)	6. Semester (SuSe)
Business Administration 1 (5 ECTS)	Business Administration 2 (5 ECTS)	Elective Compulsory Module* (5 ECTS)	Elective Compulsory Module* (5 ECTS)	Elective Compulsory Module* (5 ECTS)	Bachelor's Thesis in Applied Computer Science and Colloquium (15 ECTS)
Digital Technology and Computer Systems (5 ECTS)	Communication Networks and Protocols (5 ECTS)	IT-Security (5 ECTS)	Elective Compulsory Module* (5 ECTS)	Elective Compulsory Module* (5 ECTS)	
Programming 1 (5 ECTS)	Web Applications (5 ECTS)	Distributed Systems (5 ECTS)	Operating Systems (5 ECTS)	Elective Compulsory Module* (5 ECTS)	
Programming Methods and Tools (5 ECTS)	Algebraic Principles of Computer Science (5 ECTS)	Database Systems (5 ECTS)	Automata Theory and Formal Languages (5 ECTS)	Higher Concepts of Programming (5 ECTS)	Internship (15 ECTS)
Mathematics of Computer Science (5 ECTS)	Software Engineering (5 ECTS)	Presentation and Communication (5 ECTS)	Artificial Language and Machine Learning (5 ECTS)	Bachelor's Project in Applied Computer Science (10 ECTS)	
Technical Principles of Computer Science (5 ECTS)	Programming 2 (5 ECTS)	Algorithm and Data Structures (5 ECTS)	Computer Graphics Principles (5 ECTS)		

■ Practical phases/-modules in company



* Depending on their specialisation, regular students can choose different “Compulsory Elective Modules” (not all electives are offered every semester, please ask the course coordinator)

- Interactive Graphics Systems (5 ECTS)
- Logistics (5 ECTS)
- Multimedia Systemes (5 ECTS)
- Big Data Principles (5 ECTS)
- Development of Business Applications (5 ECTS)
- Digital System Design using VHDL
- Animation Programming (5 ECTS)
- Basic Principles of Business IT (5 ECTS)
- Business Game (5 ECTS)
- CRM Systems (5 ECTS)
- Current Topic of Applied Computer Science (5 ECTS)
- Database Technologies (5 ECTS)
- Data-Mining (5 ECTS)
- Data-Warehousing (5 ECTS)
- Digital Image Processing (5 ECTS)
- Embedded Networking (5 ECTS)
- ERP Systems (5 ECTS)
- Human-Computer Interaction (5 ECTS)
- Human Resources Management (5 ECTS)
- Interactive Internet Applications (5 ECTS)
- Internet Services (5 ECTS)
- Internet of Things (5 ECTS)
- Media Production (5 ECTS)
- Microcontroller Programming (5 ECTS)
- Mobile Communications (5 ECTS)
- Multimedia Communication (5 ECTS)
- Network and System Management (5 ECTS)
- Optimization (5 ECTS)
- Planning and Implementation of Network Projects (5 ECTS)
- Principals of Economic Policy (5 ECTS)
- Robotics (5 ECTS)
- Sensors and Actuators (5 ECTS)
- Software Development for Embedded Systems (5 ECTS)
- TCP/IP Programming (5 ECTS)
- Visualisation (5 ECTS)