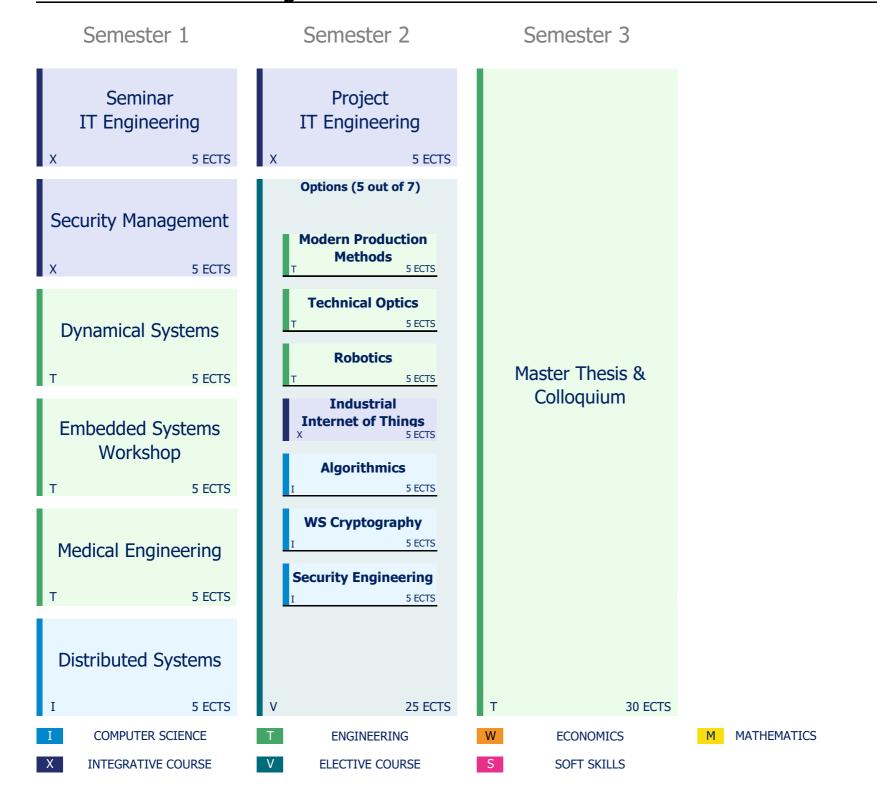


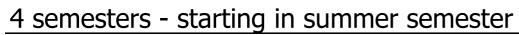


Semester 1 Semester 2 Semester 3 Seminar **Project** IT Engineering IT Engineering 5 ECTS 5 ECTS Options (5 out of 7) Security Management **Modern Production** Methods 5 ECTS **Technical Optics** 5 ECTS **Dynamical Systems Robotics** Master Thesis & 5 ECTS 5 ECTS Colloquium **Industrial** Internet of Things
X 5 ECTS **Embedded Systems** Workshop **Algorithmics** 5 ECTS **WS Cryptography Medical Engineering Security Engineering** 5 ECTS **Distributed Systems** 25 ECTS 5 ECTS 30 ECTS **ENGINEERING** W M MATHEMATICS COMPUTER SCIENCE **ECONOMICS** INTEGRATIVE COURSE **ELECTIVE COURSE** SOFT SKILLS



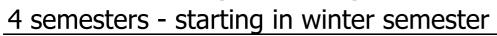








Semester 1	Semester 2	Semester 3	Semester 4
Signals & Systems T 5 ECTS	Applications of Artificial Intelligence 5 ECTS	Programming Structures Project X 5 ECTS	
Fundamental B Programming Structures I 5 ECTS	Discrete Mathematics I 5 ECTS	Advanced Programming Features I 5 ECTS	
Options (3 out of 7)		Options (2 out of 7)	
Modern Production Methods T 5 ECTS	Security Management x 5 ECTS	2 further modules	Master Thesis &
Technical Optics T 5 ECTS Robotics	Dynamical Systems	from options block in semester 1	Colloquium
T 5 ECTS	T 5 ECTS	T 10 ECTS	
Industrial Internet of Things X 5 ECTS	Embedded Systems Workshop	Seminar IT Engineering	
Algorithmics I 5 ECTS	T 5 ECTS	X 5 ECTS	
WS Cryptography I 5 ECTS	Medical Engineering	Project IT Engineering	
Security Engineering I 5 ECTS	T 5 ECTS	X 5 ECTS	T 30 ECTS
V 15 ECTS	Distributed Systems 5 ECTS		
I COMPUTER SCIENCE	T ENGINEERING	W ECONOMICS	M MATHEMATICS
X INTEGRATIVE COURSE	V ELECTIVE COURSE	S SOFT SKILLS	





Semester 1	Semester 2	Semester 3	Semester 4
Fundamental ^B Programming Structures	Signals & Systems T 5 ECTS	Programming Structures Project X 5 ECTS	
Applications of Artificial Intelligence 5 ECTS	Advanced Programming Features I 5 ECTS	Project IT Engineering x 5 ECTS	
Discrete Mathematics I 5 ECTS	Options (5 out of 7) Modern Production Methods T 5 ECTS	Seminar IT Engineering x 5 ECTS	Master Thesis &
Security Management x 5 ECTS	Technical Optics T 5 ECTS Robotics T 5 ECTS	Dynamical Systems T 5 ECTS	Colloquium
Medical Engineering T 5 ECTS	Industrial Internet of Things X 5 ECTS Algorithmics I 5 ECTS	Distributed Systems I 5 ECTS	
	WS Cryptography I 5 ECTS Security Engineering I 5 ECTS	Embedded Systems Workshop T 5 ECTS	T 30 ECTS
	V 25 ECTS		
I COMPUTER SCIENCE X INTEGRATIVE COURSE	T ENGINEERING V ELECTIVE COURSE	W ECONOMICS SOFT SKILLS	M MATHEMATICS
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Those modules in the 4-semester programmes denoted with a "B" in the top right-hand corner are Bachelor modules.