

Kindly note that these are just a suggestion of the possible combination of courses for each semester. You can, however, choose to pick a different combination which suits you.

Study Package Computer Science BS – Bachelor Summerterm

Module	ECTS	Lecturer
Compiler Construction	6	Prof. Sybille Schupp
Embedded Systems	6	Prof. Heiko Falk
Software Development	6	Prof. Sybille Schupp
Software Engineering	6	Prof. Sybille Schupp
Startup Engineering I – Basics	2	Prof. Christoph Ihl
German as a foreign Language	4	Dagmar Richter

Study Package Computer Science BW – Bachelor Winterterm

Module	ECTS	Lecturer
Computer Architecture	6	Prof. Heiko Falk
Computer networks and Internet Security	6	Prof. Andreas Timm-Giel
Functional Programming	6	Prof. Sybille Schupp
Introduction to Information Security	6	Prof. Dr. Riccardo Scandariato
German as a foreign Language	4	Dagmar Richter
Ethics and Science	2	Gunnar Jeremias

Study Package Computer Science MS1 – Master Summerterm

Module	ECTS	Lecturer
Application Security	6	
Software for Embedded Systems	6	Prof. Christian Renner
Software Testing	6	Prof. Sybille Schupp
Computer Graphics	6	Prof. Tobias Knop
Artificial Intelligence and Robotics: Historical Development and Present State (Seminar)	2	Prof. Hans-Joachim Braun
German as a foreign Language	4	Dagmar Richter

Study Package Computer Science MS2 – Master Summerterm

Module	ECTS	Lecturer
Simulation of Communication Networks	6	Prof. Andreas Timm-Giel
Compilers for Embedded Systems	6	Prof. Heiko Falk

Design of Dependable Systems	6	Prof. Görschwin Fey
“What’s up, Doc?” Science and Stereotypes in Literature and Film	2	Dr. Jennifer Henke
Intercultural Management - Theory and Awareness Training	2	Prof Jürgen Rothlauf

Study Package Computer Science WS1 – Master Winterterm

Module	ECTS	Lecturer
Communication Networks	6	Prof. Andreas Timm-Giel
Advanced System-on-Chip Design	6	Prof. Heiko Falk
Software Security	6	Prof. Dr. Riccardo Scandariato
German as a foreign Language	4	Dagmar Richter
Artificial Intelligence and Robotics: Historical Development and Present State (Seminar)	2	Prof. Hans-Joachim Braun

Study Package Computer Science WS2 – Master Winterterm

Module	ECTS	Lecturer
Intelligent Systems in Medicine	6	Prof. Alexander Schlaefer
Intelligent Autonomous Agents and Cognitive Robotics	6	Rainer Marrone
Distributed Algorithms	6	Prof. Volker Turau
Seminar Medical Technology	2	Prof. Alexander Schlaefer
Intercultural Communication	2	Prof. Margarete Jarchow

Study Package Electrical Engineering MS1 – Master Summerterm

Module	ECTS	Lecturer
Semiconductor Technology	6	Prof. Hoc Khiem Trieu
EMC I: Coupling Mechanisms, Countermeasures and Test Procedures	6	Prof. Christian Schuster
Information Theory and Coding	6	Prof. Gerhard Bauch
Optimal and Robust Control	6	Prof. Herbert Werner
Intercultural Management - Theory and Awareness Training	2	Prof. Jürgen Rothlauf
German as a foreign Language	4	Dagmar Richter

Study Package Electrical Engineering MS2 – Master Summerterm

Module	ECTS	Lecturer
Linear and Nonlinear System Identification	3	Prof. Herbert Werner
Fibre and Integrated Optics	6	Dr. Hagen Renner
Intercultural Communication	2	Prof. Margarete Jarchow

Creative Processes in Technology, Music and the Arts	2	Prof. Hans-Joachim Braun
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Study Package Electrical Engineering MW1 – Master Winterterm

Module	ECTS	Lecturer
Advanced Topics in Control	6	Prof. Herbert Werner
Bioelectromagnetics: Principles and Application	6	Prof. Christian Schuster
Integrated Circuit Design	6	Prof. Andreas Bahr
EMC II: Signal Integrity and Power Supply of Electronic Systems	6	Prof. Christian Schuster
Control Lab	4	Prof. Herbert Werner
German as a foreign Language	4	Dagmar Richter

Study Package Electrical Engineering MW2 – Master Winterterm

Module	ECTS	Lecturer
Mixed-Signal Circuit Design	6	Prof. Andreas Bahr
Microsystem Engineering	6	Dr. Thomas Kusserow
Integrated Circuit Design	6	Prof. Andreas Bahr
Seminar Medical Technology	2	Prof. Alexander Schlaefer
Intercultural Management - Theory and Awareness Training	2	Prof. Jürgen Rothlauf
Artificial Intelligence and Robotics: Historical Development and Present State (Seminar)	2	Prof. Hans-Joachim Braun

Alternatively, one module in each study package can be substituted with:

- 2 Nontechnical Elective Complementary Courses (each 2 ECTS) or 1 language course of 4 ECTS
- and
- 1 course of Business and Management (2ECTS)