

Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w19)

Sample course plan T Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7))

Specialisation Computer Science																
1	Chemistry Chemistry I VL 2 Chemistry II VL 2 Chemistry I HÜ 1 Chemistry II HÜ 1		Electrical Engineering II: Alternating Current Networks and Basic Devices Electrical Engineering II: Alternating Current Networks and Basic Devices VL 3 Electrical Engineering II: Alternating Current Networks and Basic Devices GÜ 2		Technical Thermodynamics II Technical Thermodynamics II VL 2 Technical Thermodynamics II HÜ 1 Technical Thermodynamics II GÜ 1		Signals and Systems Signals and Systems VL 3 Signals and Systems GÜ 2		Introduction to Control Systems Introduction to Control Systems VL 2 Introduction to Control Systems GÜ 2		Foundations of Management Introduction to Management VL 3 Management Tutorial GÜ 2		Advanced Internship AIW/ ES Advanced Internship AIW/ ES: Preparation SE 1 Advanced Internship AIW/ ES: Internship-accompanying Seminar SE 1			
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7	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields Electrical Engineering I: Direct Current Networks and Electromagnetic Fields VL 3 Electrical Engineering I: Direct Current Networks and Electromagnetic Fields GÜ 2		Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering Design VL 2 Fundamentals of Mechanical Engineering Design HÜ 2		Mathematics III Analysis III VL 2 Analysis III GÜ 1 Analysis III HÜ 1 Differential Equations 1 VL 2 Differential Equations 1 GÜ 1 Differential Equations 1 HÜ 1		Stochastics Stochastics VL 2 Stochastics GÜ 2		Numerical Mathematics I Numerical Mathematics I VL 2 Numerical Mathematics I GÜ 2		Software Engineering Software Engineering VL 2 Software Engineering GÜ 2					
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13	Mathematics I Linear Algebra I VL 2 Linear Algebra I GÜ 1 Linear Algebra I HÜ 1 Analysis I VL 2 Analysis I GÜ 1 Analysis I HÜ 1		Technical Thermodynamics I Technical Thermodynamics I VL 2 Technical Thermodynamics I HÜ 1 Technical Thermodynamics I GÜ 1		Mechanics III (Dynamics) Mechanics III VL 3 Mechanics III GÜ 2 Mechanics III HÜ 1		Graph Theory and Optimization Graph Theory and Optimization VL 2 Graph Theory and Optimization GÜ 2		Computer Architecture Computer Architecture VL 2 Computer Architecture PBL 2 Computer Architecture GÜ 1		Lab Cyber-Physical Systems Lab Cyber-Physical Systems PBL 4					
14																
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19					Mechanics I (Statics) Mechanics I VL 2 Mechanics I GÜ 2 Mechanics I HÜ 1		Mechanics II: Mechanics of Materials Mechanics II VL 2 Mechanics II GÜ 2 Mechanics II HÜ 2		Computer Engineering Computer Engineering VL 3 Computer Engineering GÜ 1		Objectoriented Programming, Algorithms and Data Structures Objectoriented Programming, Algorithms and Data Structures VL 4 Objectoriented Programming, Algorithms and Data Structures GÜ 1		Computernetworks and Internet Security Computer Networks and Internet Security VL 3 Computer Networks and Internet Security GÜ 1		Bachelor Thesis	
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25	Programming in C Programming in C VL 1 Programming in C PR 1		Mathematics II Linear Algebra II VL 2 Linear Algebra II GÜ 1 Linear Algebra II HÜ 1 Analysis II VL 2 Analysis II HÜ 1 Analysis II GÜ 1		Discrete Algebraic Structures Discrete Algebraic Structures VL 2 Discrete Algebraic Structures GÜ 2		Embedded Systems Embedded Systems VL 3 Embedded Systems GÜ 1		Seminars Computer Science Introductory Seminar Computer Science II SE 2 Introductory Seminar Computer Science I SE 2							
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31	Physics for Engineers (AIW) Physics for Engineers VL 2 Physics for Engineers GÜ 1															
32																
Non-technical Courses for Bachelors (from catalogue) - 6LP																

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

