

Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w20)

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

Specialisation Computer Science							
1	Chemistry <div>Chemistry I+II VL 4</div> <div>Chemistry I+II HÜ 2</div>	Electrical Engineering II: Alternating Current Networks and Basic Devices <div>Electrical Engineering II: Alternating Current Networks and Basic Devices VL 3</div> <div>Current Networks and Basic Devices</div> <div>Electrical Engineering II: Alternating Current Networks and Basic Devices GÜ 2</div>	Technical Thermodynamics II <div>Technical Thermodynamics II VL 2</div> <div>Technical Thermodynamics II HÜ 1</div> <div>Technical Thermodynamics II GÜ 1</div>	Signals and Systems <div>Signals and Systems VL 3</div> <div>Signals and Systems GÜ 2</div>	Introduction to Control Systems <div>Introduction to Control Systems VL 2</div> <div>Introduction to Control Systems GÜ 2</div>	Foundations of Management <div>Introduction to Management VL 3</div> <div>Management Tutorial GÜ 2</div>	Advanced Internship AIW/ ES <div>Advanced Internship AIW/ ES: Preparation SE 1</div> <div>Advanced Intenship AIW/ ES: Internship-accompanying Seminar SE 1</div>
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7	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields <div>Electrical Engineering I: Direct Current Networks and Electromagnetic Fields VL 3</div> <div>Electrical Engineering I: Direct Current Networks and Electromagnetic Fields GÜ 2</div>	Fundamentals of Mechanical Engineering Design <div>Fundamentals of Mechanical Engineering Design VL 2</div> <div>Fundamentals of Mechanical Engineering Design HÜ 2</div>	Mathematics III <div>Analysis III VL 2</div> <div>Analysis III GÜ 1</div> <div>Analysis III HÜ 1</div> <div>Differential Equations 1 VL 2</div> <div>Differential Equations 1 GÜ 1</div> <div>Differential Equations 1 HÜ 1</div>	Automata Theory and Formal Languages <div>Automata Theory and Formal Languages VL 2</div> <div>Automata Theory and Formal Languages GÜ 2</div>	Numerical Mathematics I <div>Numerical Mathematics I VL 2</div> <div>Numerical Mathematics I GÜ 2</div>	Software Engineering <div>Software Engineering VL 2</div> <div>Software Engineering GÜ 2</div>	
8							
9							
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12							
13	Mathematics I <div>Linear Algebra I VL 2</div> <div>Linear Algebra I GÜ 1</div> <div>Linear Algebra I HÜ 1</div> <div>Analysis I VL 2</div> <div>Analysis I GÜ 1</div> <div>Analysis I HÜ 1</div>	Technical Thermodynamics I <div>Technical Thermodynamics I VL 2</div> <div>Technical Thermodynamics I HÜ 1</div> <div>Technical Thermodynamics I GÜ 1</div>	Mechanics III (Dynamics) <div>Mechanics III VL 3</div> <div>Mechanics III GÜ 2</div> <div>Mechanics III HÜ 1</div>	Stochastics <div>Stochastics VL 2</div> <div>Stochastics GÜ 2</div>	Computer Architecture <div>Computer Architecture VL 2</div> <div>Computer Architecture PBL 2</div> <div>Computer Architecture GÜ 1</div>	Lab Cyber-Physical Systems <div>Lab Cyber-Physical Systems PBL 4</div>	
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19		Mechanics II: Mechanics of Materials <div>Mechanics II VL 2</div> <div>Mechanics II GÜ 2</div> <div>Mechanics II HÜ 2</div>	Discrete Algebraic Structures <div>Discrete Algebraic Structures VL 2</div> <div>Discrete Algebraic Structures GÜ 2</div>	Embedded Systems <div>Embedded Systems VL 3</div> <div>Embedded Systems GÜ 1</div>	Computernetworks and Internet Security <div>Computer Networks and Internet Security VL 3</div> <div>Computer Networks and Internet Security GÜ 1</div>		Bachelor Thesis
20							
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25	Mathematics II <div>Linear Algebra II VL 2</div> <div>Linear Algebra II GÜ 1</div> <div>Linear Algebra II HÜ 1</div> <div>Analysis II VL 2</div> <div>Analysis II HÜ 1</div> <div>Analysis II GÜ 1</div>	Computer Engineering <div>Computer Engineering VL 3</div> <div>Computer Engineering GÜ 1</div>	Graph Theory and Optimization <div>Graph Theory and Optimization VL 2</div> <div>Graph Theory and Optimization GÜ 2</div>	Seminars Computer Science <div>Introductory Seminar Computer Science SE 2</div> <div>II</div> <div>Introductory Seminar Computer Science I SE 2</div>			
26							
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31	Physics for Engineers (AIW) <div>Physics for Engineers VL 2</div> <div>Physics for Engineers GÜ 1</div>						
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.

