

Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w18)

Legend:	Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
	Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

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

Semester 1	FormHrs/wk	Semester 2	FormHrs/wk	Semester 3	FormHrs/wk	Semester 4	FormHrs/wk	Semester 5	FormHrs/wk	Semester 6	FormHrs/wk	Semester 7	FormHrs/wk
1		Chemistry		Electrical Engineering II: Alternating Current Networks and Basic Devices		Technical Thermodynamics II		Objectoriented Programming, Algorithms and Data Structures		Introduction to Control Systems		Foundations of Management	
2	VL 2	Chemistry I	VL 2	Electrical Engineering II: Alternating Current Networks and Basic Devices	VL 3	Technical Thermodynamics II	VL 2	Objectoriented Programming, Algorithms and Data Structures	VL 4	Introduction to Control Systems	VL 2	Introduction to Management	VL 3
3	VL 2	Chemistry II	VL 2	Electrical Engineering II: Alternating Current Networks and Basic Devices		Technical Thermodynamics II	HÜ 1	Objectoriented Programming, Algorithms and Data Structures		Introduction to Control Systems	GÜ 2	Management Tutorial	GÜ 2
4	HÜ 1	Chemistry I	HÜ 1	Electrical Engineering II: Alternating Current Networks and Basic Devices	GÜ 2	Technical Thermodynamics II	GÜ 1	Objectoriented Programming, Algorithms and Data Structures	GÜ 1				
5	HÜ 1	Chemistry II	HÜ 1	Current Networks and Basic Devices									
6													
7		Electrical Engineering I: Direct Current Networks and Electromagnetic Fields		Fundamentals of Mechanical Engineering Design		Mathematics III		Signals and Systems		Numerical Mathematics I		Computability and Complexity Theory	
8	VL 3	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	VL 3	Fundamentals of Mechanical Engineering Design	VL 2	Analysis III	VL 2	Signals and Systems	VL 3	Numerical Mathematics I	VL 2	Computability and Complexity Theory	VL 2
9	VL 3	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	VL 3	Fundamentals of Mechanical Engineering Design		Analysis III	GÜ 1	Signals and Systems	GÜ 2	Numerical Mathematics I	GÜ 2	Computability and Complexity Theory	GÜ 2
10	GÜ 2	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	GÜ 2	Fundamentals of Mechanical Engineering Design	HÜ 2	Analysis III	HÜ 1						
11						Differential Equations 1	VL 2						
12						Differential Equations 1	GÜ 1						
13						Differential Equations 1	HÜ 1						
13		Mathematics I		Technical Thermodynamics I				Stochastics		Functional Programming		Software Engineering	
14	VL 2	Linear Algebra I	VL 2	Technical Thermodynamics I	VL 2			Stochastics	VL 2	Functional Programming	VL 2	Software Engineering	VL 2
15	GÜ 1	Linear Algebra I	GÜ 1	Technical Thermodynamics I	HÜ 1			Stochastics	GÜ 2	Functional Programming	HÜ 2	Software Engineering	GÜ 2
16	HÜ 1	Linear Algebra I	HÜ 1	Technical Thermodynamics I	GÜ 1					Functional Programming	GÜ 2		
17	VL 2	Analysis I	VL 2			Mechanics III (Hydrostatics, Kinematics, Kinetics I)							
18	GÜ 1	Analysis I	GÜ 1			Mechanics III	VL 3						
19	HÜ 1	Analysis I	HÜ 1			Mechanics III	GÜ 2						
20						Mechanics III	HÜ 1						
20								Graph Theory and Optimization		Seminars Computer Science		Mathematical Statistics	
21								Graph Theory and Optimization	VL 2	Introductory Seminar Computer Science II	SE 2	Mathematical Statistics	VL 3
22								Graph Theory and Optimization	GÜ 2	Introductory Seminar Computer Science I	SE 2	Mathematical Statistics	GÜ 1
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Nontechnical Complementary 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.

