

Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w16)

Sample course plan B Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7))
Specialisation Energy and Environmental Engineering

Legend:

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	Form/hrs	Semester 2	Form/hrs	Semester 3	Form/hrs	Semester 4	Form/hrs	Semester 5	Form/hrs	Semester 6	Form/hrs	Semester 7	Form/hrs/wk		
1	Chemistry	VL 2 VL 2 HÜ 1 HÜ 1	Electrical Engineering II: Alternating Current Networks and Basic Devices	VL 3 UE 2	VL 2 VL 2 HÜ 1 UE 1	VL 2 HÜ 1 UE 1	Mechanical Engineering: Design (part 2)	PBL2 TT 3	Introduction to Control Systems	VL 2 UE 2	Foundations of Management	VL 3 HÜ 2	Advanced Internship GES			
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8	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	VL 3 UE 2	Fundamentals of Mechanical Engineering Design	VL 2 HÜ 2	VL 2 UE 1 HÜ 1 VL 2 UE 1 HÜ 1	Mathematics III	Fundamentals of Fluid Mechanics	VL 2 HÜ 2	Heat and Mass Transfer	VL 2 UE 1 HÜ 1	Thermal Separation Processes (part 2)	PR 1	Environmental Technology (part 2)	PR 1	Particle Technology and Solids Process Engineering	VL 2 UE 1 PR 2
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14																
15	Mathematics I	VL 2 UE 1 HÜ 1 VL 2 UE 1 HÜ 1	Technical Thermodynamics I	VL 2 HÜ 1 UE 1	VL 3 UE 2 HÜ 1	Mechanics III (Hydrostatics, Kinematics, Kinetics I)	Electrical Machines	VL 3 HÜ 2	Thermal Separation Processes (part 1)	VL 2 UE 2 HÜ 1	Environmental Technology	VL 2 UE 1	Process and Plant Engineering I	VL 2 HÜ 1 UE 1	Bachelor Thesis	
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22	Mechanics I (Statics)	VL 2 UE 2 HÜ 1	Mechanics II	VL 2 UE 2 HÜ 2	VL 3 UE 1	Computer Engineering	Renewables and Energy Systems	VL 2 VL 2 VL 1 UE 1	Gas and Steam Power Plants	VL 3 HÜ 2	Process and Plant Engineering I	VL 2 HÜ 1 UE 1				
23																
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28	Programming in C									
	Programming in C	VL	1							
	Programming in C	PR	1							
29	Physics for Engineers (AIW)									
	Physics for Engineers	VL	2							
	Physics for Engineers	UE	1							
30										
31										
32										
33										
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.

Measurement Technology for Mechanical and Process Engineers

Measurement Technology for Mechanical and Process Engineers	VL	2
Measurement Technology for Mechanical and Process Engineers	HÜ	1
Practical Course: Measurement and Control Systems	PR	2

Environmental Technology (part 1)

Environmental Technologie	VL	2
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