

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

Sample course plan - Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7))
Specialisation Naval Architecture

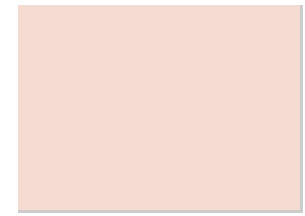
Legend:

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

LP	Semester 1	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	VL 2	Electrical Engineering II: Alternating Current Networks and Basic Devices	VL 3	Technical Thermodynamics II	VL 2	Foundations of Management II	VL 3	Stochastics and Ship Dynamics (part 1)	VL 2	Stochastics and Ship Dynamics (part 2)	VL 2	Advanced Internship GES					
2														Chemistry I	Technical Thermodynamics II	Introduction to Management	Statistics and Stochastic Processes in Naval Architecture and Ocean Engineering	Ship Dynamics
3														Chemistry II	Technical Thermodynamics II	Management Tutorial	Computational Fluid Dynamics I	Ship Dynamics
4														Chemistry I	Technical Thermodynamics II	UE 1	Computational Fluid Dynamics I	UE 1
5														Chemistry II	Technical Thermodynamics II	UE 2	Computational Fluid Dynamics I	UE 2
6														Chemistry II	Technical Thermodynamics II	UE 1	Computational Fluid Dynamics I	UE 1
7	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	VL 3	Fundamentals of Mechanical Engineering Design	VL 2	Mathematics III	VL 2	Fluid Dynamics	VL 3	Fundamentals of Ship Structural Design and Analysis	VL 2	Structural Design and Construction of Ships (part 2)	VL 2	Advanced Internship GES					
8														Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	Analysis III	Fluid Mechanics	Fundamentals of Ship Structural Design	
9														Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	Analysis III	Fluid Mechanics	Fundamentals of Ship Structural Design	
10														Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	Analysis III	Fluid Mechanics	Fundamentals of Ship Structural Design	
11														Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	Differential Equations 1	Fluid Mechanics	Fundamentals of Ship Structural Design	
12														Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	Differential Equations 1	Fluid Mechanics	Fundamentals of Ship Structural Design	
13	Mathematics I	VL 2	Technical Thermodynamics I	VL 2	Mathematics III	VL 3	Mathematics IV	VL 2	Fundamentals of Ship Structural Design	UE 1	Hydrostatics and Body Plan (part 2)	VL 2	Advanced Internship GES					
14														Linear Algebra I	Technical Thermodynamics I	Complex Functions	Fundamentals of Ship Structural Design	
15														Linear Algebra I	Technical Thermodynamics I	Complex Functions	Fundamentals of Ship Structural Design	
16														Linear Algebra I	Technical Thermodynamics I	Complex Functions	Fundamentals of Ship Structural Design	
17														Analysis I	Technical Thermodynamics I	Differential Equations 2	Fundamentals of Ship Structural Design	
18														Analysis I	Technical Thermodynamics I	Differential Equations 2	Fundamentals of Ship Structural Design	
19	Mathematics I	VL 2	Technical Thermodynamics I	VL 2	Mathematics III	UE 2	Mathematics IV	UE 1	Structural Design and Construction of Ships (part 1)	VL 2	Ship Design	VL 2	Advanced Internship GES					
20														Linear Algebra I	Technical Thermodynamics I	Differential Equations 2	Structural Design and Construction of Ships (part 1)	
21														Linear Algebra I	Technical Thermodynamics I	Differential Equations 2	Structural Design and Construction of Ships (part 1)	
22														Analysis I	Technical Thermodynamics I	Differential Equations 2	Structural Design and Construction of Ships (part 1)	
23														Analysis I	Technical Thermodynamics I	Differential Equations 2	Structural Design and Construction of Ships (part 1)	
24														Analysis I	Technical Thermodynamics I	Differential Equations 2	Structural Design and Construction of Ships (part 1)	
25	Mathematics I (Statics)	VL 2	Mechanics II: Mechanics of Materials	VL 2	Computer Engineering	VL 3	Mechanics IV (Kinetics II, Oscillations, Analytical Mechanics, Multibody Systems)	VL 3	Fundamentals of Materials Science (part 1)	VL 2	Resistance and Propulsion	VL 2	Advanced Internship GES					
21														Mechanics I	Mechanics II	Computer Engineering	Mechanics IV	Fundamentals of Materials Science I
22														Mechanics I	Mechanics II	Computer Engineering	Mechanics IV	Physical and Chemical Basics of Materials Science
23														Mechanics I	Mechanics II	Computer Engineering	Mechanics IV	Physical and Chemical Basics of Materials Science
24														Mechanics I	Mechanics II	Computer Engineering	Mechanics IV	Physical and Chemical Basics of Materials Science
25														Mechanics I	Mechanics II	Computer Engineering	Mechanics IV	Physical and Chemical Basics of Materials Science

26		Linear Algebra II	VL 2	
27	Programming in C	Linear Algebra II	UE 1	Introduction to Control Systems
28	Programming in C	Linear Algebra II	HÜ 1	Introduction to Control Systems
	Programming in C	Analysis II	VL 2	
29	Physics for Engineers (AIW)	Analysis II	HÜ 1	Introduction to Control Systems
30	Physics for Engineers	Analysis II	UE 1	
31	Physics for Engineers			
32	Physics for Engineers			

Resistance and Propulsion	VL 2
Resistance and Propulsion	HÜ 2
Hydrostatics and Body Plan (part 1)	
Body Plan	PS 2



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.