

Course of Study Naval Architecture (Study Cohort w22)

Legend:

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

Sample course plan - Bachelor Naval Architecture (SBBS)			Semester 3	Semester 4	Semester 5	Semester 6
Year	Course	Form Hrs/wk	Form Hrs/wk	Form Hrs/wk	Form Hrs/wk	Form Hrs/wk
1	Basics of Electrical Engineering		Fundamentals of Materials Science (part 2)	Advanced Mechanical Engineering Design (part 1)	Advanced Mechanical Engineering Design (part 2)	Stochastics and Ship Dynamics (part 1)
2	Basics of Electrical Engineering VL 3		Fundamentals of Materials Science II VL 2	Advanced Mechanical Engineering Design I VL 2	Advanced Mechanical Engineering Design II VL 2	Statistics and Stochastic Processes in Naval VL 2
3	Basics of Electrical Engineering GÜ 2			Advanced Mechanical Engineering Design I HÜ 2	Advanced Mechanical Engineering Design II HÜ 2	Architecture and Ocean Engineering
4			Fundamentals of Mechanical Engineering Design			Stochastics and Ship Dynamics (part 2)
5			Fundamentals of Mechanical Engineering Design VL 2	Mechanical Engineering: Design (part 1)	Mechanical Engineering: Design (part 2)	Ship Dynamics VL 2
6			Fundamentals of Mechanical Engineering Design HÜ 2	Embodiment Design and 3D-CAD Introduction and Practical Training VL 2	Team Project Design Methodology PBL 2	Ship Dynamics GÜ 1
7	Mathematics I			Mechanical Design Project I PBL 3	Computational Fluid Dynamics I	
8	Mathematics I VL 4		Foundations of Management		Computational Fluid Dynamics I VL 2	Structural Design and Construction of Ships (part 2)
9	Mathematics I HÜ 2		Introduction to Management VL 3	Hydrostatics and Body Plan (part 2)	Computational Fluid Dynamics I HÜ 2	Ship Structural Design VL 2
10	Mathematics I GÜ 2		Management Tutorial GÜ 2	Hydrostatics VL 2		Ship Structural Design GÜ 2
11				Hydrostatics HÜ 2		
12			Technical Thermodynamics I		Fundamentals of Ship Structural Design and Analysis	
13			Technical Thermodynamics I VL 2		Fundamentals of Ship Structural Analysis VL 2	Ship Design
14			Technical Thermodynamics I HÜ 1	Fluid Dynamics	Fundamentals of Ship Structural Design VL 2	Ship Design VL 2
15			Technical Thermodynamics I GÜ 1	Fluid Mechanics VL 3	Fundamentals of Ship Structural Design GÜ 1	Ship Design HÜ 2
16	Fundamentals of Materials Science (part 1)			Fluid Mechanics HÜ 2	Fundamentals of Ship Structural Analysis GÜ 1	
17	Fundamentals of Materials Science I VL 2		Mathematics III			Bachelor Thesis
18	Physical and Chemical Basics of Materials Science VL 2		Analysis III VL 2	Mathematics IV	Structural Design and Construction of Ships (part 1)	
19			Analysis III GÜ 1	Complex Functions VL 2	Welding Technology VL 3	
20	Computer Science for Engineers - Introduction and Overview		Analysis III HÜ 1	Complex Functions GÜ 1		
21	Computer Science for Engineers - Introduction and Overview VL 3		Differential Equations 1 VL 2	Differential Equations 2 VL 2	Marine Propulsion	
22	Computer Science for Engineers - Introduction and Overview GÜ 2		Differential Equations 1 GÜ 1	Differential Equations 2 GÜ 1	Fundamentals of Reciprocating Engines and VL 1	
23			Differential Equations 1 HÜ 1	Differential Equations 2 HÜ 1	Turbomachinery - Part Reciprocating Engines	
24				Hydrostatics and Body Plan (part 1)	Fundamentals of Reciprocating Engines and HÜ 1	
25	Engineering Mechanics I (Stereostatics)		Engineering Mechanics II (Elastostatics)	Body Plan PS 2	Turbomachinery - Part Reciprocating Engines	
26	Engineering Mechanics I VL 2		Engineering Mechanics II VL 2		Fundamentals of Marine Engineering VL 2	
27	Engineering Mechanics I GÜ 2		Engineering Mechanics II GÜ 2	Engineering Mechanics III (Dynamics)	Fundamentals of Marine Engineering HÜ 1	
28	Engineering Mechanics I HÜ 1		Engineering Mechanics II HÜ 2	Engineering Mechanics III VL 3		
29			Engineering Mechanics II VL 2	Engineering Mechanics III GÜ 2	Resistance and Propulsion	
30			Engineering Mechanics II HÜ 2	Engineering Mechanics III HÜ 1	Resistance and Propulsion VL 2	
31					Resistance and Propulsion HÜ 2	
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.

