Course of Study Naval Architecture and Ocean Engineering (Study Cohort w26)

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

Sample course plan C Master Naval Architecture and Ocean Engineering (NAOEMS) Dual study program

1	**Structural Analysis of Ships and Offshore Structures**	**Seakeeping of Ships and Laboratory on Naval Architecture (part 2)**	**Research Project Naval Architecture and Ocean Engineering**	**Master Thesis (Dual Study Program)**
2	Structural Analysis of Ships and Offshore Structures VL 2	Laboratory on Naval Architecture PR 2		
3	Structural Analysis of Ships and Offshore Structures GÜ 2	**Maritime Technology and Maritime Systems (part 2)**		
4		Analysis of Maritime Systems VL 2		
5		Analysis of Maritime Systems GÜ 1		
6		**Practical Module 2 (Dual Study Program, Master's Degree)**		
7	**Ship Vibration**	Practical term 2 0		
8	Ship Vibration VL 2			
9	Ship Vibration GÜ 2			
10				
11				
12				
13	**Seakeeping of Ships and Laboratory on Naval Architecture (part 1)**		**Practical Module 3 (Dual Study Program, Master's Degree)**	
14	Seakeeping of Ships VL 2		Practical term 3 0	
15	Seakeeping of Ships GÜ 2			
16		**High-Order FEM**		
17	**Maritime Technology and Maritime Systems (part 1)**	High-Order FEM VL 3		
18	Introduction to Maritime Technology VL 2	High-Order FEM HÜ 1		
19	Introduction to Maritime Technology GÜ 1			
20	**Practical Module 1 (Dual Study Program, Master's Degree)**	**Numerical Algorithms in Structural Mechanics**	**Selected topics in Naval Architecture and Ocean Engineering (part 2)**	
21	Practical term 1 0	Numerical Algorithms in Structural Mechanics VL 2	Selection from a catalog	
22		Numerical Algorithms in Structural Mechanics GÜ 2		
23			**Vibration Theory**	
24			Vibration Theory IV 4	
25		**Selected topics in Naval Architecture and Ocean Engineering (part 1)**		
26		Selection from a catalog		
27				
28				
29				
30	**Ship Safety**	**Special Topics of Ship Structural Design**	**Manoeuvrability and Shallow Water Ship Hydrodynamics**	
31	Ship Safety VL 2	Special Topics of Ship Structural Design VL 2	Manoeuvrability of Ships VL 2	
32	Ship Safety HÜ 2	Special topics of ship structural design PBL 2	Shallow Water Ship Hydrodynamics VL 2	
33				
34				
35				
36			**Arctic Technology**	
37			Ship structural design for arctic conditions PBL 2	
38			Ice Engineering VL 2	
39			Ice Engineering GÜ 1	
40				
41	Linking Theory and Practice (Dual Study Program, Master's degree) (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.