

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

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

Sample course plan A Master Naval Architecture and Ocean Engineering (NAOEMS) Dual study program				
1	Structural Analysis of Ships and Offshore Structures			
2	Structural Analysis of Ships and Offshore Structures VL 2	Seakeeping of Ships and Laboratory on Naval Architecture (part 2)	Research Project Naval Architecture and Ocean Engineering	
3	Structural Analysis of Ships and Offshore Structures GÜ 2	Laboratory on Naval Architecture PR 2	Master Thesis (Dual Study Program)	
4		Maritime Technology and Maritime Systems (part 2)		
5		Analysis of Maritime Systems VL 2		
6		Analysis of Maritime Systems GÜ 1		
7	Ship Vibration			
8	Ship Vibration VL 2	Practical Module 2 (Dual Study Program, Master's Degree)		
9	Ship Vibration GÜ 2	Practical term 2 0		
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		Numerical Methods in Ship Design (part 2)		
17	Maritime Technology and Maritime Systems (part 1)	Numerical Methods in Ship Design VL 2		
18	Introduction to Maritime Technology VL 2			
19	Introduction to Maritime Technology GÜ 1			
20	Practical Module 1 (Dual Study Program, Master's Degree)	Marine Diesel Engine Plants		
21	Practical term 1 0	Marine Diesel Engine Plants VL 3		
22		Marine Diesel Engine Plants HÜ 1		
23			Innovative CFD Approaches	
24			Application of Innovative CFD Methods in Research and Development VL 2	
25			Application of Innovative CFD Methods in Research and Development GÜ 2	
26		Special Topics of Ship Structural Design		
27		Special Topics of Ship Structural Design VL 2		
28		Special topics of ship structural design PBL 2		
29			Advanced Ship Design	
30	Ship Safety		Advanced Ship Design VL 2	
31	Ship Safety VL 2		Advanced Ship Design HÜ 2	
32	Ship Safety HÜ 2	Special Topics of Ship Propulsion and Hydrodynamics of High Speed Water Vehicles		
33		Special Topics of Ship Propulsion VL 3		
34		Hydrodynamics of High Speed Water Vehicles VL 3		
35				
36	Numerical Methods in Ship Design (part 1)			
37	Numerical Methods in Ship Design PBL 2	Ship Propellers and Cavitation		
38		Marine Propellers VL 2		
39		Marine Propellers PBL 2		
40		Cavitation VL 2		
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.

