

Course of Study Naval Architecture and Ocean Engineering (Study Cohort w23)

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

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

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1	Structural Analysis of Ships and Offshore Structures Structural Analysis of Ships and Offshore Structures VL 2 Structural Analysis of Ships and Offshore Structures GÜ 2				Seakeeping of Ships and Laboratory on Naval Architecture (part 2)				Research Project Naval Architecture and Ocean Engineering				Master thesis (dual study program)			
2					Laboratory on Naval Architecture PR 2											
3					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 Ship Vibration VL 2 Ship Vibration GÜ 2				Practical term 2 0											
8																
9																
10																
11																
12																
13	Ship Safety Ship Safety VL 2 Ship Safety HÜ 2				Practical module 3 (dual study program, Master's degree) Practical term 3 0											
14																
15																
16																
17																
18																
19	Seakeeping of Ships and Laboratory on Naval Architecture (part 1) Seakeeping of Ships VL 2 Seakeeping of Ships GÜ 2				High-Order FEM High-Order FEM VL 3 High-Order FEM HÜ 1											
20																
21																
22																
23																
24																
25	Maritime Technology and Maritime Systems (part 1) Introduction to Maritime Technology VL 2 Introduction to Maritime Technology GÜ 1				Numerical Algorithms in Structural Mechanics Numerical Algorithms in Structural Mechanics VL 2 Numerical Algorithms in Structural Mechanics GÜ 2											
26																
27																
28																
29																
30																
31	Practical module 1 (dual study program, Master's degree) Practical term 1 0				Selected topics in Naval Architecture and Ocean Engineering (part 1) Selection from a catalog											
32																
33																
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37	Manoeuvrability and Shallow Water Ship Hydrodynamics Manoeuvrability of Ships VL 2 Shallow Water Ship Hydrodynamics VL 2															
38																
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41																
					Vibration Theory				Arctic Technology Ship structural design for arctic conditions PBL 2 Ice Engineering VL 2 Ice Engineering GÜ 1							
					Vibration Theory IV 4											

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

