

Course of Study Naval Architecture and Ocean Engineering (Study Cohort w18)

Sample course plan A Master Naval Architecture and Ocean Engineering (SBMS)

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	Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk		
1	Structural Analysis of Ships and Offshore Structures Structural Analysis of Ships and Offshore Structures	VL 2	Seakeeping of Ships and Laboratory on Naval Architecture (part 2) Laboratory on Naval Architecture	PR 2	Research Project Naval Architecture and Ocean Engineering		Master Thesis			
2										
3										
4		UE 2		Maritime Technology and Maritime Systems (part 2) Analysis of Maritime Systems					VL 2	
5									UE 1	
6										
7		Ship Vibration Ship Vibration		VL 2					Numerical Methods in Ship Design (part 2) Numerical Methods in Ship Design	VL 2
8										
9	UE 2									
10			Marine Diesel Engine Plants Marine Diesel Engine Plants	VL 3						
11				HÜ 1						
12										
13	Ship Safety Ship Safety	VL 2	Special Topics of Ship Propulsion and Hydrodynamics of High Speed Water Vehicles Special Topics of Ship Propulsion	VL 3	Innovative CFD Approaches Application of Innovative CFD Methods in Research and Development	VL 2				
14										
15		HÜ 2					UE 2			
16										
17	Seakeeping of Ships and Laboratory on Naval Architecture (part 1) Seakeeping of Ships	VL 2	Hydrodynamics of High Speed Water Vehicles	VL 3	Advanced Ship Design Advanced Ship Design	VL 2				
18										
19		UE 2					HÜ 2			
20	Maritime Technology and Maritime Systems (part 1) Introduction to Maritime Technology	VL 2	Ship propellers and cavitation Marine Propellers	VL 2						
21										
22		UE 1			PBL 2					
23			Cavitation	VL 2						
24										
25	Numerical Methods in Ship Design (part 1) Numerical Methods in Ship Design	PBL 2								
26										
27										
28										
29										
30										
Business & Management (from catalogue) - 6LP										
Nontechnical Elective Complementary Courses for Master (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.

