

Course of Study Energy Systems (Study Cohort w16)

Sample course plan C Master Energy Systems (ENTMS)
Specialisation Marine Engineering

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	Practical Course Energy Systems		Marine Diesel Engine Plants		Project Work Energy Systems		Master Thesis	
2	Practical Course Energy Systems	FL 6	Marine Diesel Engine Plants	VL 3				
3			Marine Diesel Engine Plants	HÜ 1				
4								
5								
6								
7	Marine Power Engineering		Computational Fluid Dynamics II					
8	Electrical Installation on Ships	VL 2	Computational Fluid Dynamics II	VL 2				
9	Electrical Installation on Ships	HÜ 1	Computational Fluid Dynamics II	HÜ 2				
10	Marine Engineering	VL 2						
11	Marine Engineering	HÜ 1						
12								
13	Fluid Mechanics and Ocean Energy		Selected Topics of Marine Engineering (part 2)		Innovative CFD Approaches			
14	Fluid Mechanics II	VL 2	Selection from a catalog		Application of Innovative CFD Methods in Research and Development	VL 2		
15	Energy from the Ocean	VL 2			Application of Innovative CFD Methods in Research and Development	UE 2		
16								
17								
18								
19	Maritime Technology and Offshore Wind Parks		Air Conditioning		Ship Vibration			
20	Introduction to Maritime Technology	VL 2	Air Conditioning	VL 3	Ship Vibration	VL 2		
21	Offshore Wind Parks	VL 2	Air Conditioning	HÜ 1	Ship Vibration	UE 2		
22	Introduction to Maritime Technology	UE 1						
23								
24								
25	Selected Topics of Marine Engineering (part 1)							
26	Selection from a catalog							
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.

