

Course of Study Energy Systems (Study Cohort w20)

Sample course plan C. Master Energy Systems (ENTMS)

Specialisation Marine Engineering

	Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
	Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement
1	Practical Course Energy Systems Practical Course Energy Systems PR 6	Marine Diesel Engine Plants Marine Diesel Engine Plants VL 3 Marine Diesel Engine Plants HÜ 1	Project Work Energy Systems	Master Thesis
2				
3				
4				
5				
6				
7	Marine Power Engineering Electrical Installation on Ships VL 2 Electrical Installation on Ships HÜ 1 Marine Engineering VL 2 Marine Engineering HÜ 1	Computational Fluid Dynamics II Computational Fluid Dynamics II VL 2 Computational Fluid Dynamics II HÜ 2	Innovative CFD Approaches Application of Innovative CFD Methods in Research and Development VL 2 Application of Innovative CFD Methods in Research and Development GÜ 2	
8				
9				
10				
11				
12				
13	Fluid Mechanics and Ocean Energy Fluid Mechanics II VL 2 Energy from the Ocean VL 2	Selected Topics of Marine Engineering - Option A (part 2) Selection from a catalog	Innovative CFD Approaches Application of Innovative CFD Methods in Research and Development VL 2 Application of Innovative CFD Methods in Research and Development GÜ 2	
14				
15				
16				
17				
18				
19	Maritime Technology and Offshore Wind Parks Introduction to Maritime Technology VL 2 Offshore Wind Parks VL 2 Introduction to Maritime Technology GÜ 1	Air Conditioning Air Conditioning VL 3 Air Conditioning HÜ 1	Ship Vibration Ship Vibration VL 2 Ship Vibration GÜ 2	
20				
21				
22				
23	Selected Topics of Marine Engineering - Option A (part 1) Selection from a catalog			
24				
25				
26				
27				
28				
29				
30				
Business & Management (from catalogue) - 6LP				
Non-technical 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.

