

Course of Study Energy Systems (Study Cohort w21)

Sample course plan C Master Energy Systems (ENTMS)

		Core qualification Compulsory		Specialisation Compulsory		Focus Compulsory		Thesis Compulsory							
		Core qualification Elective Compulsory		Specialisation Elective Compulsory		Focus Elective Compulsory		Interdisciplinary complement							
Specialisation Marine Engineering		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	PR	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 - Option A (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	GÜ	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	GÜ	2					
22	Introduction to Maritime Technology	GÜ	1												
23															
24															
25	Selected Topics of Marine Engineering - Option A (part 1)														
26	Selection from a catalog														
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.

