

# Course of Study Energy Systems (Study Cohort w21)

Sample course plan D 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	<b>Practical Course Energy Systems</b>			<b>Marine Diesel Engine Plants</b>				<b>Project Work Energy Systems</b>				<b>Master Thesis</b>			
2	Practical Course Energy Systems	PR	6	Marine Diesel Engine Plants	VL	3									
3				Marine Diesel Engine Plants	HÜ	1									
4															
5															
6															
7	<b>Marine Power Engineering</b>			<b>Numerical Treatment of Ordinary Differential Equations</b>											
8	Electrical Installation on Ships	VL	2	Numerical Treatment of Ordinary Differential Equations	VL	2									
9	Electrical Installation on Ships	HÜ	1	Numerical Treatment of Ordinary Differential Equations	GÜ	2									
10	Marine Engineering	VL	2												
11	Marine Engineering	HÜ	1												
12															
13	<b>Control Systems Theory and Design</b>			<b>Selected Topics of Marine Engineering - Option A (part 2)</b>				<b>Seminar Energy Systems</b>							
14	Control Systems Theory and Design	VL	2	Selection from a catalog				Seminar Energy Systems	SE	6					
15	Control Systems Theory and Design	GÜ	2												
16															
17															
18															
19	<b>Maritime Technology and Offshore Wind Parks</b>			<b>Turbomachinery</b>				<b>Thermal Energy Systems</b>							
20	Introduction to Maritime Technology	VL	2	Turbomachines	VL	3		Thermal Energy Systems	VL	3					
21	Offshore Wind Parks	VL	2	Turbomachines	HÜ	1		Thermal Energy Systems	HÜ	1					
22	Introduction to Maritime Technology	GÜ	1												
23															
24															
25	<b>Selected Topics of Marine Engineering - Option A (part 1)</b>														
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.

