

# Course of Study Energy Systems (Study Cohort w17)

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