

# Course of Study Energy Systems (Study Cohort w21)

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

