

# Course of Study Energy Systems (Study Cohort w23)

Core Qualification Compulsory    Specialisation Compulsory    Focus Compulsory    Thesis Compulsory  
 Core Qualification Elective Compulsory    Specialisation Elective Compulsory    Focus Elective Compulsory    Interdisciplinary complement

Sample course plan A Master Energy Systems (ENTMS)

Specialisation Energy Systems			Project Work Energy Systems			Master Thesis		
1	<b>System Simulation</b>		<b>Practical Course Energy Systems</b>					
2	System Simulation Modul	VL 2	Practical Course Energy Systems	PR	6			
3	System Simulation Modul	HÜ 2						
4								
5								
6								
7	<b>Thermal Energy Systems</b>		<b>Dimensioning and Assessment of Renewable Energy Systems (part 2)</b>					
8	Thermal Energy Systems	VL 3	Heat Provision from Renewable Sources of Energy	SE	2			
9	Thermal Energy Systems	HÜ 1	<b>Computational Fluid Dynamics II</b>					
10			Computational Fluid Dynamics II	VL	2			
11			Computational Fluid Dynamics II	HÜ	2			
12								
13	<b>Dimensioning and Assessment of Renewable Energy Systems (part 1)</b>							
14	Electricity Generation from Renewable Sources of Energy	SE 2						
15	Environmental Technology and Energy Economics	PBL 2	<b>Air Conditioning</b>					
16			Air Conditioning	VL	3			
17	<b>Finite Elements Methods</b>		Air Conditioning	HÜ	1			
18	Finite Element Methods	VL 2						
19	Finite Element Methods	HÜ 2	<b>Turbomachinery</b>					
20			Turbomachines	VL	3			
21			Turbomachines	HÜ	1			
22								
23	<b>Aircraft Energy Systems</b>							
24	Aircraft Energy Systems	VL 3						
25	Aircraft Energy Systems	HÜ 2						
26								
27								
28								
29	<b>Marine Power Engineering</b>							
30	Electrical Installation on Ships	VL 2						
31	Electrical Installation on Ships	HÜ 1						
32	Marine Engineering	VL 2						
33	Marine Engineering	HÜ 1						
34								
Business & Management (from catalogue) - 6LP								
Non-technical Courses for Master (from catalogue) - 6LP								
Technical Complementary Course for ENTMS, Option B (according to Subject Specific Regulations) - 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.

