

# Course of Study Energy Systems (Study Cohort w16)

Sample course plan A Master Energy Systems (ENTMS)  
Specialisation Energy Systems

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>Combined Heat and Power and Combustion Technology</b>	VL 3	<b>Project Work Energy Systems</b>		<b>Master Thesis</b>																				
2									Practical Course Energy Systems																		
3																											
4																											
5																											
6																											
7	<b>Thermal Engineering</b>	VL 3	<b>Turbomachinery</b>	VL 3																							
8											Thermal Engineering																
9																											
10											Thermal Engineering	HÜ 1	Turbomachinery	HÜ 1													
11																											
12																											
13	<b>Finite Elements Methods</b>	VL 2	<b>Computational Fluid Dynamics II</b>	VL 2	<b>Innovative CFD Approaches</b>	VL 2																					
14															Finite Element Methods			Application of Innovative CFD Methods in Research and Development									
15																											
16															Finite Element Methods	HÜ 2	Computational Fluid Dynamics II	HÜ 2	Application of Innovative CFD Methods in Research and Development	UE 2							
17																											
18																											
19	<b>Aircraft Systems I</b>	VL 3	<b>Air Conditioning</b>	VL 3	<b>Aircraft Cabin Systems</b>	VL 3																					
20																			Aircraft Systems I			Aircraft Cabin Systems					
21																											
22																			Aircraft Systems I	HÜ 2	Air Conditioning	HÜ 1	Aircraft Cabin Systems	HÜ 1			
23																											
24																											
25	<b>Marine Power Engineering</b>	VL 2																									
26																							Electrical Installation on Ships				
27																											
28																							Electrical Installation on Ships	HÜ 1			
29																							Marine Engineering	VL 2			
30	Marine Engineering	HÜ 1																									
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.

