

Course of Study Energy Systems (Study Cohort w15)

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

Legend:

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

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