

Course of Study Energy Systems (Study Cohort w17)

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