

# Course of Study Energy Systems (Study Cohort w23)

Sample course plan B Master Energy Systems (ENTMS) Dual study program

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

Specialisation Energy Systems			
1	<b>Practical module 1 (dual study program, Master's degree)</b> Practical term 1	0	<b>Practical Course Energy Systems</b> Practical Course Energy Systems PR 6
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11	<b>Practical module 2 (dual study program, Master's degree)</b> Practical term 2	0	
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11	<b>System Simulation</b> System Simulation Modul VL 2 System Simulation Modul HÜ 2		
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17	<b>Thermal Energy Systems</b> Thermal Energy Systems VL 3 Thermal Energy Systems HÜ 1		<b>Dimensioning and Assessment of Renewable Energy Systems (part 2)</b> Heat Provision from Renewable Sources of Energy SE 2  <b>Use of Solar Energy</b> Solar Power Generation VL 2 Energy Meteorology VL 1 Energy Meteorology GÜ 1 Collector Technology VL 2
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23	<b>Dimensioning and Assessment of Renewable Energy Systems (part 1)</b> Electricity Generation from Renewable Sources of Energy SE 2 Environmental Technology and Energy Economics PBL 2		<b>Marine Diesel Engine Plants</b> Marine Diesel Engine Plants VL 3 Marine Diesel Engine Plants HÜ 1
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27	<b>Fluid Mechanics and Ocean Energy</b> Fluid Mechanics II VL 2 Energy from the Ocean VL 2		<b>Turbomachinery</b> Turbomachines VL 3 Turbomachines HÜ 1
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33	<b>Electrical Power Systems I: Introduction to Electrical Power Systems</b> Electrical Power Systems I: Introduction to Electrical Power Systems VL 3 Electrical Power Systems I: Introduction to Electrical Power Systems GÜ 2		<b>Selected Topics of Energy Systems - Option B (part 2)</b> Selection from a catalog
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Business & Management (from catalogue) - 6LP			
Linking theory and practice (dual study program, Master's degree) (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.

