

Course of Study Energy Systems (Study Cohort w23)

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

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

Specialisation Energy Systems

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|----|---|----------------------|---|----|---|--|--|--|
| 1 | Practical module 1 (dual study program, Master's degree) Practical term 1 | 0 | Practical Course Energy Systems Practical Course Energy Systems | PR | 6 | Project Work Energy Systems | Master thesis (dual study program) | |
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| 11 | System Simulation System Simulation Modul System Simulation Modul | VL HÜ | 2 2 | | | Practical module 2 (dual study program, Master's degree) Practical term 2 | | |
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| 16 | | | | | | | | |
| 17 | Thermal Energy Systems Thermal Energy Systems Thermal Energy Systems | VL HÜ | 3 1 | | | Dimensioning and Assessment of Renewable Energy Systems (part 2) Heat Provision from Renewable Sources of Energy | | |
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| 23 | Dimensioning and Assessment of Renewable Energy Systems (part 1) Electricity Generation from Renewable Sources of Energy Environmental Technology and Energy Economics | SE PBL | 2 2 | | | Computational Fluid Dynamics II Computational Fluid Dynamics II Computational Fluid Dynamics II | | |
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| 25 | | | | | | | | |
| 26 | | | | | | | | |
| 27 | Finite Elements Methods Finite Element Methods Finite Element Methods | VL HÜ | 2 2 | | | Air Conditioning Air Conditioning Air Conditioning | VL HÜ | |
| 28 | | | | | | | | |
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| 30 | | | | | | | | |
| 31 | Aircraft Energy Systems Aircraft Energy Systems Aircraft Energy Systems | VL HÜ | 3 2 | | | Turbomachinery Turbomachines Turbomachines | VL HÜ | |
| 32 | | | | | | | | |
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| 35 | Marine Power Engineering Electrical Installation on Ships Electrical Installation on Ships Marine Engineering Marine Engineering | VL HÜ VL HÜ | 2 1 2 1 | | | | | |
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| | | | | | | | Business & Management (from catalogue) - 6LP | |
| | | | | | | | Linking theory and practice (dual study program, Master's degree) (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.

