

Course of Study Computer Science in Engineering (Study Cohort w22)

Sample course plan D Master Computer Science in Engineering (IWMMS) Dual study program
 Specialisation I. Computer Science, Specialisation II. Engineering Science, Specialisation III. Mathematics,
 Specialisation IV. Subject Specific Focus

Legend:

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

1	Practical module 1 (dual study program, Master's degree) Practical term 1 0	Practical module 2 (dual study program, Master's degree) Practical term 2 0	Research Project Research Project IIW PK 8	Master thesis (dual study program)
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11	Software Verification Software Verification VL 2 Software Verification GÜ 2	Design of Dependable Systems Designing Dependable Systems VL 2 Designing Dependable Systems GÜ 2	Practical module 3 (dual study program, Master's degree) Practical term 3 0	
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15	Software Security Software Security VL 2 Software Security GÜ 2	Numerical Mathematics II Numerical Mathematics II VL 2 Numerical Mathematics II GÜ 2		
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21	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids VL 3 Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids HÜ 2		Digital Signal Processing and Digital Filters Digital Signal Processing and Digital Filters VL 3 Digital Signal Processing and Digital Filters HÜ 2	
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29	Linear and Nonlinear Optimization Linear and Nonlinear Optimization VL 4 Linear and Nonlinear Optimization HÜ 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 II for Computational Science and Engineering - 12LP				
Technical Complementary Course I for Computational Science and Engineering - 12LP				

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

