

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

Sample course plan A Master Computer Science in Engineering (IIWMS) 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)				
2								
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11	Software Verification Software Verification VL 2 Software Verification GÜ 2	Algorithmic Game Theory Algorithmic game theory VL 2 Algorithmic game theory HÜ 2	Practical module 3 (dual study program, Master's degree) Practical term 3 0					
12								
13								
14	Mathematical Image Processing Mathematical Image Processing VL 3 Mathematical Image Processing GÜ 1	Advanced Internet Computing Advanced Internet Computing VL 2 Advanced Internet Computing PBL 2						
15								
16								
17								
18								
19		Information Theory and Coding Information Theory and Coding VL 3 Information Theory and Coding HÜ 2						
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21								
22								
23								
24			Advanced Machine Learning Advanced Machine Learning VL 2 Advanced Machine Learning GÜ 2					
25								
26								
27								
28								
29			Machine Learning in Electrical Engineering and Information Technology General Introduction Machine Learning VL 1 Machine Learning in Wireless Communications VL 1 Machine Learning in Electromagnetic Compatibility Engineering VL 1 Machine Learning in High-Frequency Technology and Radar VL 1 Machine Learning Applications in Electric Power Systems VL 1					
30								
31								
32								
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34								
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.

