# Course of Study Computer Science (Study Cohort w20)

Sample course plan M  Master Computer Science (CSMS)
Specialisation I. Computer and Software Engineering, Specialisation II: Intelligence Engineering, Specialisation III, Mathematics, Specialisation IV. Subject Specific Focus

| # | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **Distributed Algorithms** | | | | **Computer Graphics** | | | | **Research Project Computer Science** | | | **Master Thesis** |
| 2 | Distributed Algorithms | VL | 2 | Computer Graphics | VL | 2 | Research Project Computer Science | PK | 8 | |
| 3 | Distributed Algorithms | HÜ | 2 | Computer Graphics | GÜ | 2 | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | **Intelligent Autonomous Agents and Cognitive Robotics** | | | **Model Checking - Proof Engines and Algorithms** | | | | | | |
| 8 | Intelligent Autonomous Agents and Cognitive Robotics | VL | 2 | Model Checking - Proof Engines and Algorithms | VL | 2 | | | | |
| 9 | Intelligent Autonomous Agents and Cognitive Robotics | GÜ | 2 | Model Checking - Proof Engines and Algorithms | GÜ | 2 | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | **Hierarchical Algorithms** | | | **Machine Learning and Data Mining** | | | **Intelligent Systems in Medicine** | | | |
| 14 | Hierarchical Algorithms | VL | 2 | Machine Learning and Data Mining | VL | 2 | Intelligent Systems in Medicine | VL | 2 | |
| 15 | Hierarchical Algorithms | GÜ | 2 | Machine Learning and Data Mining | GÜ | 2 | Intelligent Systems in Medicine | GÜ | 1 | |
| 16 | | | | | | | Intelligent Systems in Medicine | PS | 2 | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | **Randomised Algorithms and Random Graphs** | | | **Mathematics of Neural Networks** | | | |
| 20 | | | | Randomised Algorithms and Random Graphs | VL | 2 | Mathematics of Neural Networks | VL | 2 | |
| 21 | | | | Randomised Algorithms and Random Graphs | HÜ | 2 | Mathematics of Neural Networks | GÜ | 2 | |
| 22 | | | | | | | | | | |
| 23 | | | | | | | | | | |
| 24 | | | | | | | | | | |
| 25 | | | | | | | **Advanced Seminars Computer Science** | | | |
| 26 | | | | | | | Advanced Seminar Computer Science I | SE | 2 | |
| 27 | | | | | | | Introductory Seminar Computer Science II | SE | 2 | |
| 28 | | | | | | | | | | |
| 29 | | | | | | | | | | |
| 30 | | | | | | | | | | |

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| Business & Management (from catalogue) - 6LP |
| Non-technical Courses for Master (from catalogue) - 6LP |
| Technical Complementary Course I for CSMS - 6LP |
| Technical Complementary Course II for CSMS - 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.