

Course of Study Computer Science (Study Cohort w14)

Sample course plan T Master Computer Science (CSMS)
Specialisation Computer and Software Engineering

Legend:

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

| LP | Semester 1 | Form | Hrs/wk | Semester 2 | Form | Hrs/wk | Semester 3 | Form | Hrs/wk | Semester 4 | Form | Hrs/wk |
|----|--|------|--------|--|------|--------|---|------|--------|----------------------|------|--------|
| 1 | Quantitative Methods - Statistics and Operations Research | | | Information Theory and Coding | | | Research Project and Seminar | | | Master Thesis | | |
| 2 | Quantitative Methods - Statistics and Operations Research | POL | 3 | Information Theory and Coding | VL | 3 | Research Project Work | | 2 | | | |
| 3 | Quantitative Methods - Statistics and Operations Research | VL | 2 | Information Theory and Coding | HÜ | 1 | Seminar | SE | 2 | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | Numerical Mathematics II | | | Embedded Systems | | | | | | | | |
| 8 | Numerical Mathematics II | VL | 2 | Embedded Systems | VL | 2 | | | | | | |
| 9 | Numerical Mathematics II | UE | 2 | Embedded Systems | UE | 2 | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Communication Networks I - Analysis and Structure | | | Communication Networks II - Simulation and Modeling | | | | | | | | |
| 14 | Analysis and Structure of Communication Networks | VL | 2 | Simulation and Modelling of Communication Networks | POL | 5 | | | | | | |
| 15 | Communication Networks Exercise | POL | 1 | | | | | | | | | |
| 16 | Selected Topics of Communication Networks | POL | 2 | | | | | | | | | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | Distributed Algorithms | | | Software for Embedded Systems | | | Traffic Engineering | | | | | |
| 20 | Distributed Algorithms | VL | 2 | Software for Embedded Systems | VL | 2 | Traffic Engineering | VL | 2 | | | |
| 21 | Distributed Algorithms | HÜ | 2 | Software for Embedded Systems | UE | 3 | Traffic Engineering Exercises | UE | 1 | | | |
| 22 | | | | | | | Seminar Traffic Engineering | SE | 2 | | | |
| 23 | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | |
| 25 | | | | | | | Advanced System on Chip Design (Lab) | | | | | |
| 26 | | | | | | | Advanced System on Chip Design | POL | 3 | | | |
| 27 | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |

Business & Management (from catalogue) - 6LP

Nontechnical Elective Complementary Courses for Master (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.