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## Master's Program in Computer Science – Master's Track in Distributed Systems

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Please find further information on how to plan your studies and the least amount of credits per course category in the Study Guide. Each individual study plan needs to be approved by the student's mentor.

### Core Focus Courses

At least two Core Focus Courses must be chosen:

Title	Credits	Semester
System Security	7	autumn
Data Management Systems	8	autumn
Advanced Operating Systems	7	spring
Principles of Distributed Computing	7	spring

### Elective Focus Courses

Title	Credits	Semester
Computer Architecture	8	autumn
Distributed Systems Lab*	10	autumn
Informal Methods	5	autumn
Cloud Computing Architecture	9	spring
Distributed Systems Lab*	10	spring
Future Internet	7	spring
Machine Perception	8	spring
Ubiquitous Computing	6	spring

\* Only one lab is allowed to be accounted.

### Seminar in Focus

Title	Credits	Semester
Communication Networks Seminar	2	autumn
Hardware Acceleration for Data Processing	2	autumn
Advanced Topics in Networked Embedded Systems	2	spring
Big Data, Law, and Policy	3	spring
Seminar in Deep Reinforcement Learning	2	spring
Seminar on Computational Interaction	2	spring

Note that only one seminar can be accredited within the Master's program.

### Elective Computer Science Courses

Of all Master level courses offered by D-INFK at least one course must be chosen.

### Inter Focus Courses

At least two of the following three Labs must be chosen:

Title	Credits	Semester
Algorithms Lab	8	autumn
Information Security Lab	8	autumn
Advanced Systems Lab	8	spring
Computational Intelligence Lab	8	spring

### Elective Courses

All Master level courses offered by ETH Zurich, EPF Lausanne and the University of Zurich may be chosen. Please see the Study Guide for restrictions on language courses.

### GESS Courses

One course offered by GESS: [www.gess.ethz.ch](http://www.gess.ethz.ch)

### Master's Thesis

The supervisor of your Master's thesis must be a member of your specialization area of D-INFK.

### Mentors

Prof. Gustavo Alonso  
Prof. Otmar Hilliges  
Prof. Torsten Hoefler  
Prof. Christian Holz  
Prof. Ana Klimovic  
Prof. Timothy Roscoe  
Prof. Ankit Singla  
Prof. Roger Wattenhofer  
Prof. Ce Zhang