
Master's Program in Computer Science – Master's Track in Information Systems

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
Machine Learning	8	autumn
Security Engineering	5	autumn
Web Engineering	6	spring

Elective Focus Courses

Title	Credits	Semester
Big Data	6	autumn
Data Mining: Learning from Large Data Sets	4	autumn
Deep Learning	4	autumn
Information Retrieval	4	autumn
Mobile and Personal Information Systems	4	autumn
Probabilistic Artificial Intelligence	4	autumn
Information Systems Lab	10	spring
Introduction to Natural Language Processing	4	spring
Object Databases	4	spring
Ubiquitous Computing	3	spring

Seminar in Focus

At least one Seminar must be chosen:

Title	Credits	Semester
Advanced Topics in Information Systems	2	autumn
Hardware Acceleration for Data Processing	2	autumn
Algorithms for Database Systems	2	spring
Computer Supported Cooperative Work	2	spring

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
Advanced Systems Lab	6	autumn
Algorithms Lab	6	autumn
Computational Intelligence Lab	6	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

Master's Thesis

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

Mentors

Prof. Moira Norrie

Prof. Thomas Hofmann

Prof. Donald Kossmann (on sabbatical)

Prof. Andreas Krause

Prof. Gustavo Alonso