Master's Program in Computer Science –
Master's Track in Computational Science

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
Advanced Machine Learning	10	autumn
Computational Systems Biology	6	autumn
Computational Statistics	8	spring

Elective Focus Courses

Title	Credits	Semester
Computational Biology	6	autumn
Computational Biomedicine	5	autumn
Computer Graphics	8	autumn
Guarantees for Machine Learning	5	spring
Machine Learning for Health Care	7	spring
Statistical Learning Theory	8	spring

Seminar in Focus

Title	Credits	Semester
Advanced Topics in Computer Graphics and Vision	2	autumn
Advanced Methods in Computer Graphics	2	spring
Computational Challenges in Medical Genomics	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 four 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

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

Mentors
Prof. Valentina Boeva
Prof. Joachim Buhmann
Prof. Markus Gross
Prof. Torsten Hoefler
Prof. Andreas Krause
Prof. Marc Pollefeys
Prof. Markus Püschel
Prof. Gunnar Rätsch
Prof. Jörg Stelling
Prof. Siyu Tang
Prof. Julia Vogt
Prof. Fanny Yang