
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
Computational Systems Biology	6	autumn
Machine Learning	8	autumn
How to Write Fast Numerical Code	6	spring

Elective Focus Courses

Title	Credits	Semester
Computer Graphics	6	autumn
Introduction to Finite Elements and Sparse Linear System Solving	4	autumn
Statistical Learning Theory	4	spring
Uncertainty Quantification for Engineering & Life Sciences	4	spring

Seminar in Focus

At least one Seminar must be chosen:

Title	Credits	Semester
Advanced Topics in Computer Graphics and Vision	2	autumn
Computational Science	2	spring
Advanced Methods in Computer Graphics	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. Markus Püschel

Prof. Peter Arbenz

Prof. Joachim Buhmann

Prof. Markus Gross

Prof. Torsten Hoefler

Prof. Marc Pollefeys (on sabbatical)

Prof. Jörg Stelling