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

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
Network Security	6	autumn
Security Engineering	5	autumn
System Security	5	autumn
Cryptography Foundations	7	spring

Elective Focus Courses

Title	Credits	Semester
Applied Security Lab*	8	autumn
Lattice Cryptography	4	autumn
Security of Wireless Networks	5	autumn
Specification and Proof of Probabilistic Programs with Applications to Security (non-recurring course)	4	autumn
Cryptographic Protocols (two-yearly course)	5	spring
Formal Methods for Information Security	4	spring

*Only one lab is allowed to be accounted.

Seminar in Focus

At least one Seminar must be chosen:

Title	Credits	Semester
Current Topics in Information Security	2	autumn
Quantum Information and Cryptography	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. David Basin
Prof. Srdjan Capkun
Prof. Ueli Maurer
Prof. Adrian Perrig