
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
Security Engineering	5	autumn
System Security	5	spring
Cryptography	7	spring 2013

Elective Focus Courses

Title	Credits	Semester
Applied Security Lab	8	autumn
Formal System Development	5	autumn
IT Security and Risk Management	6	autumn
Network Security	6	autumn
Security of Wireless Networks	4	autumn
Cryptographic Protocols	5	spring
E-Privacy: Privacy in the Electronic Society	4	spring
Formal Methods for Information Security	4	spring
Security and Fault-Tolerance in Distributed Systems	4	spring

Seminar in Focus

At least one Seminar must be chosen:

Title	Credits	Semester
Current Topics in Information Security	2	autumn
Research Topics in Cryptography (two-yearly seminar)	2	autumn
Software and Security Testing	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. Bernhard Plattner