



Programme syllabus

[An accessible version of the syllabus can be found in the Course and programme directory.](#)

Master's Programme, Information and Communication Systems Security 120 credits

Masterprogram, informations- och kommunikationssäkerhet

Valid for students admitted to the education from autumn 07 (HT - Autumn term; VT - Spring term).

This is a translation of the Swedish, legally binding, programme syllabus.

Programme objectives

Knowledge and understanding

Skills and abilities

Ability to make judgements and adopt a standpoint

Extent and content of the programme

Eligibility and selection

Implementation of the education

Courses

The programme is course-based. Lists of courses are included in appendix 1.

Grading system

Courses in the first and the second cycle are graded on a scale from A to F. A-E are passing grades, A is the highest grade. The grades pass (P) and fail (F) are used for courses under certain circumstances.

Appendix 1 - Course list

Appendix 2 - Programme syllabus descriptions



Appendix 1: Course list

Master's Programme, Information and Communication Systems Security (TICSM)

General courses

Year 1

Mandatory courses (30.0 Credits)

Code	Name	Credits	Edu. level
IC2003	Research Methodology and Scientific Communication	7.5 hp	Second cycle
IV2018	Introduction to Information Security and its Environment	15.0 hp	Second cycle
IV2020	Network Security	7.5 hp	Second cycle

Optional courses

Code	Name	Credits	Edu. level
DD2441	Seminars on Theoretical Computer Science	6.0 hp	Second cycle
ED2230	Chaos and Self-organization	6.0 hp	Second cycle
IV2019	Introduction to Cryptography	7.5 hp	Second cycle

Year 2

Mandatory courses (7.5 Credits)

Code	Name	Credits	Edu. level
IC2002	Philosophy of Science	7.5 hp	Second cycle

Optional courses

Code	Name	Credits	Edu. level
EP2300	Management of Networks and Networked Systems	7.5 hp	Second cycle
ID2006	Software Evolution and Maintenance	7.5 hp	Second cycle
IK2204	Advanced Internetworking	9.0 hp	Second cycle
IK2206	Internet Security and Privacy	7.5 hp	Second cycle
IV2001	Internet and ERP Systems	7.5 hp	Second cycle
IV2002	Internet Search and Monitoring Techniques	7.5 hp	Second cycle
IV2007	Enterprise Computing and ERP Systems	7.5 hp	Second cycle
IV2014	Data Warehousing	7.5 hp	Second cycle
IV2033	Decision and Risk Analysis	7.5 hp	Second cycle
IV2401	Project Management for IT Systems	15.0 hp	Second cycle

Conditionally elective courses

Code	Name	Credits	Edu. level
ID2008	Software Engineering and Security Architecture	7.5 hp	Second cycle
IK2000	Security Architecture for Open Distributed Systems	7.5 hp	Second cycle
IK2001	Security for Java Environment and Electronic Commerce	7.5 hp	Second cycle
IK2002	Security in Mobile and Wireless Networks	7.5 hp	Second cycle
IV2021	Legal Aspects of Information Security	7.5 hp	Second cycle
IV2022	Security Management	15.0 hp	Second cycle
IV2023	Value Based Risk Management	7.5 hp	Second cycle



Appendix 2: Specialisations

Master's Programme, Information and Communication Systems Security (TICSM)

This programme has no specialisations.