

SYLLABUS

STUDY YEAR 2015/2016

Master Programme in Information Security

Enrollment semester Autumn 2015

DATE

2014-06-03

DECISION MAKER

Director of Education and Research

Programme content and structure

The program consists of a total of 120 credits out of which 90 credits are compulsory courses at advanced level in the area of Information Security. The final thesis constitutes 30 credits out of the total of 90 credits at advanced level. The program is available by distance and on campus.

During the first year of the programme, you will take courses that center on the core concepts of information security and also allow you to apply your knowledge in a project course, which concludes the first academic year. In the project course you can, for example, choose to work together with companies and organizations both nationally and internationally. Courses in the second year broaden your knowledge in the field and prepare for final thesis. The programme will give you useful skills demanded by employers that operate on the global market.

There are two electable courses in the program where the student freely can choose courses in the field of Information Security, Computer Science or Business Administration instead of the specified electable courses offered in the program. There is also the option to graduate after one year, with a master (one year) degree after consultation with the course director.

Credits

120 credits

Degree

- Degree of Master of Science (120 credits) - Major; Information Security

Entry requirements

A Bachelor's degree with a minimum of 180 ECTS with at least 60 ECTS in the area of computer science, systems science, information technology or a closely related area. The degree must include a final thesis of 15 ECTS.

Documented skills in English language.

Selection

The selection procedure is based on academic qualifications, quality and quantity aspects

Selection group

Academic: 100%

Compulsory courses

Compulsory courses 75 credits

Course code	Course	Cr	Level	Comment
A0004N	Information Security	7.5	Bachelor's level	
A7001E	Strategic security and IT-management	7.5	Master's level	
A7002E	Trends in IS and Information Security	7.5	Master's level	
A7004N	Business Case Project	15	Master's level	
A7005E	Client security architecture	7.5	Master's level	
A7006E	Server security architecture	7.5	Master's level	
A7006N	Scientific Methods	7.5	Master's level	
A7007E	Critical Infrastructure Protection	7.5	Master's level	
A7011N	Internet Security	7.5	Master's level	

Master thesis 30 credits

Course code	Course	Cr	Level	Comment
A7009N	Master Thesis	30	Master's level	

Electable courses 15 credits

Selective space is 15 credits. It is mandatory to select elective courses up to the given number of credits. The given number of credits of elective courses listed must be met for degree.

Course code	Course	Cr	Level	Comment
A0001E	Security Architecture	7.5	Bachelor's level	Selectable
A7005N	Knowledge Management - Information Security	7.5	Master's level	Selectable
B7006N	Development of Digital Preservation Systems	7.5	Master's level	Selectable
B7007N	Digital Curation	7.5	Master's level	Selectable
	Alternative course in the field of Computer Science or Business Administration	15		Selectable