

# Education plan

for

**Master's Programme in Open eGovernment**  
**Masterprogram i öppen e-förvaltning**

**120.0 Higher Education**  
**Credits**  
**120.0 ECTS credits**

<b>Programme code:</b>	SMEFO
<b>Valid from:</b>	Autumn 2016
<b>Date of approval:</b>	2014-04-23
<b>Changed:</b>	2016-03-01
<b>Department:</b>	Department of Computer and Systems Sciences

## Decision

This programme syllabus was approved by the Social Sciences Faculty Board 2014-04-23. Revised 2016-03-01.

## Prerequisites and special admittance requirements

A Bachelor degree equal to 180 ECTS in any main field of study.

Language requirements: English B or the equivalent

## Programme structure

The programme provides knowledge in central theories and basic methodology for development of e-Government with IT support. The programme leads to a Degree of Master. The programme is distributed online with support of teachers and supervisors. Once per semester a non-mandatory workshop is held for programme students at the department of Computer and Systems Sciences in Kista.

The programme has a flexible study pace and can be attended part time. The language of instruction is English, but the exams and the project works can be written in Swedish.

## Goals

In addition to the general learning goals stated in chapter 1, paragraph 9 of the Swedish Higher Education Act, the following goals according to Higher Education Ordinance are applied:

### Knowledge and Understanding

For a Degree of Master the student shall:

- demonstrate knowledge and understanding in the main field of study, including both broad knowledge of the field and a considerable degree of specialised knowledge in certain areas of the field as well as insight into current research and development work, and
- demonstrate specialised methodological knowledge in the main field of study

### Skills and abilities

For a Degree of Master the student shall:

- demonstrate the ability to critically and systematically integrate knowledge and analyse, assess and deal with complex phenomena, issues and situations even with limited information

- demonstrate the ability to identify and formulate issues critically, autonomously and creatively as well as to plan and, using appropriate methods, undertake advanced tasks within predetermined time frames and so contribute to the formation of knowledge as well as the ability to evaluate this work
- demonstrate the ability to clearly report and discuss both orally and in writing own conclusions and the knowledge and argumentation which they are based on, in dialogue with different audiences in national and international contexts and
- demonstrate the skills required for participation in research and development work or autonomous employment in some other qualified capacity

#### Judgement ability and approach

For a Degree of Master the student shall:

- demonstrate the ability to make assessments in the main field of study informed by relevant disciplinary, social and ethical issues and also to demonstrate awareness of ethical aspects of research and development work
- demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used, and
- demonstrate the ability to identify the personal needs for further knowledge and to take responsibility for own continuous learning

In addition to the above mentioned goals, the following goals are applied:

For a Degree of Master the student shall:

- demonstrate knowledge about theories, methodologies and models for development of e-Governance and e-Democracy
- demonstrate knowledge about security and privacy in e-Government with focus on information systems, laws and ethics
- demonstrate in-depth knowledge about decision making and IT support for decision making in e-Governance, including management of open and big data
- demonstrate in-depth knowledge about analysis, design and development of business and IT in e-Governance, with focus on processes and e-services.
- demonstrate the ability to apply and further develop methodologies and models for business development and business management with IT support in e-Governance
- demonstrate the ability to formulate, lead and implement projects for business change, with the help of IT support in e-Governance
- demonstrate the ability to formulate, lead and implement software development projects in e-Governance
- demonstrate the ability to assess ethical aspects, economic and social consequences of business change and use of information systems in e-Governance

#### **Courses**

All courses except for the supplementary course in Computer and Systems Sciences are second cycle courses.

#### First Semester

Alternative 1: for students who do not have 90 credits in Computer and Systems Sciences, Informatics or the equivalent:

- Supplementary course in Computer and Systems Sciences, 15 credits

Alternative 2: for students who have 90 credits in computer and systems sciences, informatics or the equivalent:

- Enterprise Computing and ERP Systems, 7,5 credits
- Knowledge Management, 7,5 credits

The following courses are compulsory for all students:

- Open e-Government and e-Democracy, 7,5 credits
- Scientific Communication and Research Methodology, 7,5 credits

#### Second Semester

- IS Governance for e-Government: Requirement, Use, Evaluation, 7,5 credits
- Decision Making and Business Intelligence, 7,5 credits
- Research Methodology for Computer and Systems Sciences, 7,5 credits
- Security and Privacy in e-Government: Systems, IT, Laws and Ethics, 7,5 credits

#### Third Semester

- Open and Big Data Management, 7,5 credits
- Business Process Design and Intelligence within the IT area, 7,5 credits
- Citizen Centric Service Design and IT Systems Integration, 7,5 credits
- Change Management in e-Government Project, 7,5 credits

#### Fourth Semester

Master Thesis in Computer and Systems Sciences, 30 credits

#### **Degree**

The programme leads to a Degree of Master of Science in the main field of study: Computer and Systems Sciences.

#### **Misc**

When the programme syllabus has expired, the student has the right to complete the education according to the present curriculum during a settlement period comprising the programme's nominal duration plus two years. During this period the limitations stated in the syllabi apply primarily regarding the courses included in the programme, and secondarily equivalent courses are offered.

A Degree of Master is awarded after the student has completed the courses required to gain 120 credits, of which at least 90 credits of second cycle courses (including master thesis 30 credits).

To enter the second year of the programme students should have completed a minimum of 45 credits from the first year.

To write the master thesis in Computer and Systems Sciences students should have completed a minimum of 60 credits from the first year and a minimum of 10 credits from the second year.