

Education plan

for

One Year Master's Programme in IT Project Management
Magisterprogram i IT-projektledning

60.0 Higher Education
Credits
60.0 ECTS credits

Programme code:	SPROM
Valid from:	Autumn 2019
Date of approval:	2018-05-30
Department:	Department of Computer and Systems Sciences

Decision

This programme syllabus was approved by the Social Sciences Faculty Board 2018-05-30.

Prerequisites and special admittance requirements

A Bachelor degree with at least 180 ECTS, including a 15 ECTS independent degree project or thesis.

Language requirements: English 6 or the equivalent.

Specific requirements: At least 60 ECTS of successfully completed studies in Computer and Systems Sciences, Informatics or the equivalent.

Programme structure

The programme is entirely distance-based and runs at a 50% study pace.

The programme has its foundation on a modern agile approach and focuses on methods and practices that are well established in the IT industry. The studies will gradually increase students' knowledge in areas such as requirements engineering, leadership and project methodology.

Furthermore, the programme focuses on benefits realisation and the connection between IT and business. We see an extensive need to educate project managers and the future labour market is considered good.

The progression in the programme looks like as follows (50% study pace = 4 semesters):

First semester: the foundation of the programme is set up, with a focus on benefits realisation, the role of the project and the connection between business strategies and IT.

Second semester: project methodology, requirements and leadership.

Third semester: financial management and financial control play a critical role in the professional life of a project manager, so the third semester focuses on these topics. In addition to these topics, a course in research methodology is also included.

Fourth semester: Master's Thesis, 15 credits.

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 (60 credits) the student shall

- demonstrate knowledge and understanding in the main field of study, including both an overview of the field and 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 (60 credits) the student shall

- demonstrate the ability to 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 autonomously as well as to plan and, using appropriate methods, undertake advanced tasks within predetermined time frames,
- 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,
- demonstrate such skills that are required either for participation in research and development work or for conducting autonomous work within other qualified areas of activities.

Assessment ability and approach

For a Degree of Master (60 credits) 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 take responsibility for own continuous learning.

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

For a Degree of Master (60 credits) the student shall

- demonstrate knowledge in basic portfolio management and benefits realisation management,
- demonstrate in-depth knowledge in leadership, requirements engineering, project methodology, administration and planning,
- demonstrate in-depth knowledge in how projects are started, managed and handed over,
- demonstrate knowledge in the IT industry's culture, norms and how projects are managed in the IT industry,
- demonstrate knowledge in project management support tools.

Courses

All courses are in the main field of study: Computer and Systems Sciences.

All courses are from the second cycle.

The courses described below are mandatory within the programme. The language of instruction is English.

First Semester

- Strategies, Benefit and Alignment, 7,5 credits
- Digital Business Strategies and Change Management, 7,5 credits

Second Semester

- IS Governance for e-Government: Requirement, Use, Evaluation, 7,5 credits
- Project Methodology and Leadership, 7,5 credits

Third Semester

- Monitoring and Control of IT Projects, 7,5 credits
- Scientific Communication and Research Methodology, 7,5 credits

Fourth Semester

Master's (one year) Thesis in Computer and Systems Sciences, 15 credits

Degree

The programme leads to a Degree of Master of Science (60 credits) in the main field of study: Computer and Systems Sciences.

The specialization is in IT project management.

Misc

Admitted students, who have not completed their studies within the planned academic years, may complete the programme even after the programme syllabus has expired. In this case, the limitations stated in the syllabi for the courses included in the programme apply.