



Master's programme in Informatics with specialisation in Co-Design of Business and IT

Masterutbildning i informatik med inriktning på co-design av verksamhet och IT

120 credits

Ladok Code: AIMAS

Version: 4.1

Level: Second cycle

Approved by: The Teaching Committee 2012-05-08

Valid from: Autumn 2012

Valid for:

General Objectives

Second level education shall essentially build on the knowledge that students acquire in first level education or corresponding knowledge. Second level education shall involve a deepening of knowledge, skills and abilities relative to first level education and, in addition to what applies to first level education, shall

- further develop the students' ability to independently integrate and use knowledge,
- develop the students' ability to deal with complex phenomena, issues and situations, and
- develop the students' potential for professional activities that demand considerable independence or for research and development work.

(The Higher Education Act, Chapter 1, Section 9)

Objectives

The overall goal of this program is for students to acquire knowledge for skilled work with systems in accordance with the theories and methods in informatics.

The program follows on from the department's research profile as well as to advanced issues in informatics. The training is aimed at advanced knowledge in informatics with the possibility of individual specialization that is comparable with similar international programs.

After completion of the program, the student will show

Knowledge and understanding

- knowledge and understanding of informatics, including a broad knowledge in the field and substantially deeper knowledge of certain parts of the field and insight into current research and development,
- deepened knowledge of methods applicable in Informatics,

Skills and abilities

- ability to critically and systematically integrate knowledge and to analyze, assess and deal with complex phenomena, issues and situations, even with limited information,
- ability to critically, independently and creatively identify and formulate issues and to plan and use appropriate methods, carry out advanced tasks within specified time frames and thereby contribute to knowledge and to evaluate this work;
- ability in both national and international contexts, orally and in writing, to explain and discuss their conclusions and the knowledge and arguments behind them, in dialogue with different groups, and
- the skills required to participate in research and development work or to work independently in other advanced contexts,

Values and attitudes

- ability in the main field of study to make judgments with regard to relevant scientific, social and ethical aspects, and demonstrate an awareness of ethical aspects of research and development,
- insight into the possibilities and limitations of science, its role in society and the responsibility for its use, and
- ability to identify the need for further knowledge and to take responsibility for their knowledge development.

Content

The content builds on the department's undergraduate programs and also provide opportunities for some coordination with other master's programs in the field. The program is organized in mandatory courses, elective courses and an individual thesis.

Compulsory courses

Business Intelligence 1 (Advanced Level, 7.5 credits)

e-Business (Advanced Level, 7.5 credits)

Information systems and business processes (Advanced level, 7.5 credits)

Research Methods in Social Science (Advanced level, 7.5 credits)

System Development Philosophies (Advanced level, 7.5 credits)

Trends in Informatics (Advanced level, 7.5 credits)

Master's Thesis in Informatics (Advanced level, 30 credits)

In addition to the compulsory courses elective courses (45 credits)

Of the elective courses at least 15 credits must be at advanced level.

Admission Requirements

- Bachelor's degree, 180 credits, in Informatics (or equivalent).
- Verified knowledge of English corresponding to the course *English B/6* in the Swedish Upper Secondary School.

For further information about English language proficiency, please view:

<http://www.hb.se/en/International-student/Bachelor--Master-student/Application--Admission/Admission-process/English-language-proficiency/>

Degree

Completed program leads to a Degree of Master of Science (120 credits) with a major in Informatics - specialisation Co-Design of Business and IT

The exam certificate will be issued at request on a special form. More information is available on the university website.

Degree certificates are issued upon application in Ladok for students. More information is available at www.hb.se.

Student Influence and Evaluation

In order to assure the quality of education each course is evaluated as well as the program in its entirety. The evaluations of the courses is in accordance with university policy for course evaluation and compiled in the course evaluation reports, which is presented to the students primarily via the learning platform. The evaluation of the training program takes place every year and is communicated to students via class meetings and the learning platform. The results of the evaluations is a useful starting point for further course and program development and, together with a continuous improvement of evaluation mechanisms, an important part of quality development.

Students have many opportunities to influence education including through their representatives of the board of the school and the education committee. Students can also affect their education through their representatives in the active education boards. In these boards the students, faculty representatives, and representatives from relevant professional fields discuss issues related to the education, as well as its relevance to society and the labor market generally and more specifically in the respective professional field.

Miscellaneous

Dnr.140-12-510

For students admitted Fall 2012.

The education is given on campus and in full-time. The education is in English.
Graduation from this program gives eligibility to studies at research level.
Courses from this program can be included in doctoral studies, after proper trial.

The language of instruction is English.