Department of Computer and Systems Sciences

Stockholm University

Education plan

for

Bachelor Programme in Information Technology and Communications Science	**180.0 Higher Education Credits**
Kandidatprogram i IT och kommunikationsvetenskap	**180.0 ECTS credits**

Programme code: SITKK
Valid from: Autumn 2007
Date of approval: 2006-09-28
Department: Department of Computer and Systems Sciences

Decision

This programme syllabus is approved by the Faculty of Social Sciences at Stockholm's University

Prerequisites and special admittance requirements

Basic eligibility.

Programme structure

During year 1 the student should acquire basic knowledge of IT, including theory and methodology for the analysis, design, construction and usage of IT-based systems for communication. In addition, the student is introduced to communication science.

During year 2 the student should acquire additional knowledge in communication science, alternatively techniques for the implementation of communicative systems.

During year 3 the student should acquire specialized knowledge in the fields of IT and communication science, and an integration of these, as well as carry out thesis work.

Goals

Knowledge and understanding
The student is expected after a completed education to have:

- basic knowledge of information technology (IT) and communication science

- basic knowledge of theory and methodology for the design, construction and evaluation of IT-based systems for communication

- specialized knowledge of the application of IT for communication

- a good understanding of the importance of IT for the infrastructure from an individual, organizational and societal perspective

Skills and abilities
The student is expected after a completed education to:

- pursue development work of IT-based systems for communication, by applying theory and methodology for analysis, design, evaluation and construction

- be responsible for and lead projects and operations in communication that includes the use of IT

- produce different media expressions (visual, auditive, etc.) for communicative systems with the help of IT-based media techniques

- creatively apply his/her knowledge to new problems

Assessment ability and approach
The student is expected after a completed education to:

- critically inspect and evaluate IT-based solutions to communicative problems

- be able to assess ethical aspects and consequences of projects in information technology and communication science

- be able to identify his/her need of additional knowledge and be able to develop his/her competence

Additionally, there are the following general educational objectives:
- to give a scientific base within the main field of study to allow for studies at an advanced level as well as prepare for professional work in the field.

- to develop the students ability to search and assess knowledge in the main field

- to give basic skills in oral and written communication

- to give the student the ability to effectively be able to apply his/her knowledge and skills in a modern and global working life

Courses
Basic course in IT and communication science, 30 ECTS, semester 1-2

Continuation course in IT and communication science, 30 ECTS, semester 1-2

Communication science subjects and subject field, 60 ECTS, semester 3-4
alternatively
Specialized studies in techniques for the implementation of systems for communication, 60 ECTS, semester 3-4

Additional course in IT and communication science, 45 ECTS, semester 5-6

Thesis work, 15 ECTS, the student 6

Degree
The program leads to a bachelor degree in the main field of computer and systems sciences