Programme syllabus

International Master’s Programme in Information Technology and Learning

*S2ITL*, 120 Higher Education Credits

Revision approved by the Faculty of Education, University of Gothenburg 2013-10-08.

Dnr G 2013/481
1. Ratification
The programme was approved 2011-02-03 by the Faculty of Education, University of Gothenburg and revised 2013-10-08. The programme is in force from 2014-01-01.

Responsible department: Department of Education, Communication and Learning.

The responsibilities for realizing the programme are shared equally between the Department of Education, Communication and Learning and the Department of Applied Information Technology (IT Faculty).

2. Programme Aims
The aim of the programme is to prepare the student for analysis, development and research concerning the use of information technologies for learning and education in organisations, companies and educational institutions. In order to achieve this, the programme provides: theoretical tools and perspectives for analysing learning and communication with digital tools, practical training in methods for analysis, design and academic research on learning and communication in digital environments, experiences of collaborative project work and the use of digital presentation formats.

3. Degree Certificate
Completed studies (120 higher education credits, including a Master thesis, 30 higher education credits in one of the two main fields of study) will lead to a Master’s degree in either of the following: Degree of Master of Science (120 credits) with a major in Education with Specialization in Learning, Communication and Information Technology or Degree of Master of Science (120 credits) with a major in Applied Information Technology with Specialization in Learning and Communication. The student will have to apply for the certificate for a Master’s exam upon passing the entire programme.

4. Main field of study
Education with Specialization in Learning, Communication and Information Technology (Pedagogik med inriktning mot lärande, kommunikation och informationsteknologi)

and

Applied Information Technology with Specialization in Learning and Communication (Tillämpad informationsteknologi med inriktning mot lärande och kommunikation).

See also paragraph 3.

5. Learning outcomes
In line with Chapter 1, Section 8, Higher Education Act, first level education shall develop the students’:

- ability to make independent and critical assessments
- ability to independently perceive, formulate and solve problems, and
- state of preparation to deal with change in working life.
In the educational field concerned, in addition to knowledge and skills, students shall develop ability to:

- seek and evaluate knowledge at a scholarly level
- follow the development of knowledge, and
- exchange knowledge with other people, including people without specialist knowledge of the field

In line with Chapter 1, Section 9, Higher Education Act, second level education involves a deepening of knowledge, skills and abilities relative to first level education and, in addition to what applies to first level education, should 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

After completion of the programme, the student is able to:

- demonstrate ability to analyse the relationship between the historical development of information technologies and the changing premises for communication and learning
- describe and conceptualise how knowledge and learning is organised in institutions, working life and society based on current research and relevant theoretical approaches
- critically investigate, analyse and discuss the interaction between users and information technologies in institutions, working life and society
- evaluate and adapt the design of digital environments for communication and learning in institutions, working life and society
- display ability to critically and independently complete, communicate and defend a master's thesis in either the field of Applied Information Technology or Education with Specialization in Learning, Communication and Information Technology.

6. Structure and framework

The International Master’s Programme in Information Technology and Learning is accomplished in close collaboration with strong multidisciplinary research environments within the field of learning, communication and IT at the University of Gothenburg. This guarantees that students have possibilities to be informed of the state-of-the-art within this research field. The programme has a focus on applications and addresses challenges for learning and education in organisations, companies and educational institutions. After the programme students can work with design and development concerning information technologies for learning and communication in organisations, companies and educational institutions. The International Master's Programme in Information Technology and Learning is organised as two years of full time studies (120 higher education credits). The programme concludes with a Master's thesis (30 higher education credits).

The programme is divided into seven separate courses of which five are compulsory and two are optional. Each course comprises 15 – 30 higher education credits.

Year 1:

- Technology, knowledge and learning: An introduction, 15 higher education credits (Education with Specialization in Learning, Communication and Information Technology)
- Literacy in a digital world, 15 higher education credits (Education with Specialization in Learning, Communication and Information Technology)
• Applied methods and design for information technologies and learning, 15 higher education credits (Applied Information Technology with Specialization in Learning and Communication)
• Digital tools for communication and learning, 15 higher education credits (Applied Information Technology with Specialization in Learning and Communication)

Year 2:
• Optional course, 15 higher education credits (alternatively 7.5 + 7.5 higher education credits)
• Optional course, 15 higher education credits (alternatively 7.5 + 7.5 higher education credits)
• Master's thesis, 30 higher education credits (Individual thesis in one of the two main fields of study, student’s option)

The courses constitute the main fields of study respectively (60 higher education credits) as follows:

Education with Specialization in Learning, Communication and Information Technology:
• Technology, knowledge and learning: An introduction, 15 higher education credits
• Literacy in a digital world, 15 higher education credits
• Master’s thesis, 30 higher education credits (Individual thesis in the main field of study)

Applied Information Technology with Specialization in Learning and Communication:
• Applied methods and design for information technologies and learning, 15 higher education credits
• Digital tools for communication and learning, 15 higher education credits
• Master’s thesis, 30 higher education credits (Individual thesis in the main field of study)

7. Entry requirements
To be admitted to the programme, the following is required:
A Bachelor’s degree with a minimum of 180 higher education credits or an equivalent degree. Furthermore, the student must demonstrate proficiency in English equivalent to English 6 (Swedish upper secondary level) or English B with at least a pass or through an internationally recognized English test, minimum results required:
IELTS 6.5, no band below 5.5 or
TOEFL paper-based 575 TWE 4.5 or above, computer-based: 213 Essay writing 4, internet-based: 90 TWE score 20 or
Alternatively a Bachelor’s degree from an education offered in English.

Students will be admitted to the programme in its entirety.

Requirements for examinations are specified in each course syllabus respectively.

8. Guaranteed admission
Student enrolled in the programme is guaranteed a place in the programme courses. First choice of optional courses offered by the Department of Education, Communication and Learning and the Department of Applied Information Technology can however not be guaranteed.
9. Transitional regulations

10. Additional information

Credits are given for each course in terms of higher education credits. 15 higher education credits correspond to 10 weeks of full-time studies (at least 40 hours a week). A full academic year represents 60 higher education credits.

Accreditation of previous studies: Possibilities regarding the accreditation of previous studies as part of the International Master’s Programme in Information Technology and Learning is decided by the Department of Education, Communication and Learning.

Evaluation is part of the courses each term within the whole programme and will function as a guide for the on-going courses as well as for the development of future courses. In connection with the final Master thesis, the entire programme will be evaluated and results discussed with the students. The results of the evaluations will be communicated to the students in the course as well as to prospective students who will attend the next course.

The language of instruction is English.