



Programme syllabus

[An accessible version of the syllabus can be found in the Course and programme directory.](#)

Bachelor's Programme in Medical Informatics 180 credits

Kandidatprogram, medicinsk informatik

Valid for students admitted to the education from autumn 08 (HT - Autumn term; VT - Spring term).

This is a translation of the Swedish, legally binding, programme syllabus.

Programme objectives

Knowledge and understanding

Skills and abilities

Ability to make judgements and adopt a standpoint

Extent and content of the programme

Eligibility and selection

Implementation of the education

Courses

The programme is course-based. Lists of courses are included in appendix 1.

Grading system

Courses in the first and the second cycle are graded on a scale from A to F. A-E are passing grades, A is the highest grade. The grades pass (P) and fail (F) are used for courses under certain circumstances.

Appendix 1 - Course list

Appendix 2 - Programme syllabus descriptions



Appendix 1: Course list

Bachelor's Programme in Medical Informatics (TMILK)

General courses

Year 1

Mandatory courses (60.0 Credits)

Code	Name	Credits	Edu. level
HF1701	Mathematics 1	8.0 hp	First cycle
HI1701	Computer Systems	6.0 hp	First cycle
HI1702	Computer Programming, Basic Course	9.0 hp	First cycle
HI1706	Data and Telecommunications	7.0 hp	First cycle
HL1703	Anatomy and Physiology	6.0 hp	First cycle
HL1704	General Pathology	9.0 hp	First cycle
HL1720	Introduction to Healthcare	5.0 hp	First cycle
HL1721	Scientific Methodology 1	3.0 hp	First cycle
HL1722	Medical Informatics	7.0 hp	First cycle

Year 2

Mandatory courses (60.0 Credits)

Code	Name	Credits	Edu. level
HF1704	Mathematics 2	6.0 hp	First cycle
HI1704	Object Oriented Programming	9.0 hp	First cycle
HI1705	Database Technology	6.0 hp	First cycle
HI1708	Medical Documentation and Process Support	6.0 hp	First cycle
HI1712	Information and Network Security	6.0 hp	First cycle
HL1706	Healthcare Information Systems	6.0 hp	First cycle
HL1707	Health Care Management	6.0 hp	First cycle
HL1709	Medical Decision Support	6.0 hp	First cycle
HL1710	Healthcare Information Systems, Project Course	9.0 hp	First cycle

Year 3

Mandatory courses (61.5 Credits)

Code	Name	Credits	Edu. level
AK2036	Theory and Methodology of Science with Applications (Natural and Technological Science)	7.5 hp	Second cycle
HI170X	Degree Project in Medical Informatics, First Cycle	15.0 hp	First cycle
HI1713	Human-Computer Interaction	6.0 hp	First cycle
HI1714	Software Engineering	7.0 hp	First cycle
HI1715	System Development Projekt	10.0 hp	First cycle
HL1712	Medical Management	6.0 hp	First cycle
HL1723	Medical Imaging Systems	5.0 hp	First cycle
HL1724	Image Processing and Analysis	5.0 hp	First cycle



Appendix 2: Specialisations

Bachelor's Programme in Medical Informatics (TMILK)

This programme has no specialisations.