



Programme syllabus

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

Degree Programme in Medical Technology 180 credits

Högskoleingenjörsutbildning i medicinsk teknik

Valid for students admitted to the education from spring 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

Degree Programme in Medical Technology (TIMEL)

General courses

Year 1

Mandatory courses (60.0 Credits)

Code	Name	Credits	Edu. level
HE1020	Digital Electronics	7.5 hp	First cycle
HF1901	Mathematics I	7.5 hp	First cycle
HH1900	Business Economics and Organizational Behaviour	7.5 hp	First cycle
HI1900	Computer Programming, Basic Course	7.5 hp	First cycle
HN1900	Engineering and Information Skills	7.5 hp	First cycle
HX1001	Biological Chemistry	7.5 hp	First cycle
HX1002	Anatomy, Physiology and Pathology	15.0 hp	First cycle

Optional courses

Code	Name	Credits	Edu. level
HL1100	A Medical Overview	3.0 hp	First cycle
HX1000	Introduction to Chemistry	1.5 hp	First cycle

Year 2

Mandatory courses (60.0 Credits)

Code	Name	Credits	Edu. level
HE1018	Data- and Telecommunication	7.5 hp	First cycle
HE1021	Computer Engineering	7.5 hp	First cycle
HE1022	Analogue Technology	7.5 hp	First cycle
HE1023	Applied Electronics	7.5 hp	First cycle
HF1000	Mathematics 2	7.5 hp	First cycle
HF1902	Environmental Science and Work Science	7.5 hp	First cycle
HL1005	Intensive Care and Surgical Devices	7.5 hp	First cycle
HL1006	Medical Measurement and Monitoring	7.5 hp	First cycle

Year 3

Mandatory courses (60.0 Credits)

Code	Name	Credits	Edu. level
HE1002	Signals and Systems	7.5 hp	First cycle
HE1016	Electronic Design, Project Course	7.5 hp	First cycle
HE1025	EMC Electronics	7.5 hp	First cycle
HH1901	Engineering Practice and Development	7.5 hp	First cycle
HL1002	Medical Imaging Systems	7.5 hp	First cycle
HL1004	Clinical Engineering	7.5 hp	First cycle
HL100X	Degree Project in Medical Technology, First Cycle	15.0 hp	First cycle



Appendix 2: Specialisations

Degree Programme in Medical Technology (TIMEL)

This programme has no specialisations.