



Programme syllabus

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

Degree Programme in Computer Engineering and Electronics 180 credits

Högskoleingenjörutbildning i datateknik och elektronik, Haninge

Valid for students admitted to the education from autumn 06 (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 Computer Engineering and Electronics (TIDEH)

General courses

Year 1

Mandatory courses (60.0 Credits)

Code	Name	Credits	Edu. level
6H2000	Computer Engineering Project	7.5 hp	
6H2001	Digital Electronics	7.5 hp	
6H2002	Computer Engineering	7.5 hp	
6H2003	Data Communications and Networks	7.5 hp	
6H2900	Engineering and Information Skills	7.5 hp	
6H2901	Mathematics I	7.5 hp	
6H2902	Business Economics and Organizational Behaviour	7.5 hp	
6H2950	Computer Programming, Basic Course	7.5 hp	

Computer Networks, Communication and Security (DOSH)

Year 2

Mandatory courses (60.0 Credits)

Code	Name	Credits	Edu. level
HE1000	Electronics I	7.5 hp	First cycle
HE1001	Telecommunication	7.5 hp	First cycle
HF1001	Queuing Theory and Mathematical Statistics	7.5 hp	First cycle
HF1902	Environmental Science and Work Science	7.5 hp	First cycle
HH1900	Business Economics and Organizational Behaviour	7.5 hp	First cycle
HI1001	Object Oriented Programming	7.5 hp	First cycle
HI1005	Digital Communication	7.5 hp	First cycle
HI1006	Digital Communication, Project Course	7.5 hp	First cycle

Year 3

Mandatory courses (7.5 Credits)

Code	Name	Credits	Edu. level
HH1901	Engineering Practice and Development	7.5 hp	First cycle

Conditionally elective courses

Code	Name	Credits	Edu. level
HI1018	Communication Networks	7.5 hp	First cycle
HI1019	The Internet Protocols	7.5 hp	First cycle
HI1021	Mobile Communications	7.5 hp	First cycle
HI1023	Network Security	7.5 hp	First cycle
HI2002	Routing in IP Networks	7.5 hp	Second cycle

Computer Technology, Software and System Development (POSH)

Year 2

Mandatory courses (60.0 Credits)

Code	Name	Credits	Edu. level
HF1003	Mathematics and Statistics	7.5 hp	First cycle
HF1902	Environmental Science and Work Science	7.5 hp	First cycle
HH1900	Business Economics and Organizational Behaviour	7.5 hp	First cycle
HI1007	Object Oriented Programming with Java	7.5 hp	First cycle
HI1009	Software Project	7.5 hp	First cycle
HI1011	Data Structures and Algorithms	7.5 hp	First cycle
HI1012	The Internet Protocols and Network Programming	7.5 hp	First cycle
HI1020	Database Technology	7.5 hp	First cycle

Year 3

Mandatory courses (7.5 Credits)

Code	Name	Credits	Edu. level
HH1901	Engineering Practice and Development	7.5 hp	First cycle

Conditionally elective courses

Code	Name	Credits	Edu. level
HI1013	Software Engineering	7.5 hp	First cycle
HI1014	Distributed Enterprise Systems	7.5 hp	First cycle
HI1015	Advanced Server Development	7.5 hp	First cycle
HI1016	Software Development, project	7.5 hp	First cycle
HI1017	Programming of Mobile Services with J2ME	7.5 hp	First cycle



Appendix 2: Specialisations

Degree Programme in Computer Engineering
and Electronics (TIDEH)

Computer Networks, Communication and
Security (DOSH)

No information entered.

Computer Technology, Software and System
Development (POSH)

No information entered.