



Programme syllabus

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

Degree Programme in Constructional Engineering and Design 180 credits

Högskoleingenjörutbildning i byggt teknik och design

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 Constructional Engineering and Design (TIBYH)

General courses

Year 1

Mandatory courses (60.0 Credits)

Code	Name	Credits	Edu. level
6H2200	Engineering project	7.5 hp	
6H2201	Building Physics	7.5 hp	
6H2202	Structural Mechanics 1	7.5 hp	
6H2203	Structural Mechanics 2	7.5 hp	
6H2204	Surveying and Mathematical Statistics	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	

Year 2

Mandatory courses (60.0 Credits)

Code	Name	Credits	Edu. level
HF1902	Environmental Science and Work Science	7.5 hp	First cycle
HH1900	Business Economics and Organizational Behaviour	7.5 hp	First cycle
HS1001	Structure and Design	7.5 hp	First cycle
HS1006	The Building Process	7.5 hp	First cycle
HS1007	Fluid Mechanics	7.5 hp	First cycle
HS1008	Structural Design in Civil Engineering	7.5 hp	First cycle
HS1009	Urban Planning	7.5 hp	First cycle
HS1010	Geology and Soil Mechanics	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
HS1013	Building Services and Energy	7.5 hp	First cycle
HS1014	Design of Civil Engineering Constructions	7.5 hp	First cycle
HS1015	Construction Management	7.5 hp	First cycle
HS1016	Coordinated Computer Aided Design	7.5 hp	First cycle
HS1018	Water Resources Engineering with GIS	7.5 hp	First cycle
HS1019	Planning of a Construction Project	7.5 hp	First cycle
HS1020	Moisture Related Damages	7.5 hp	First cycle
HS1021	Steel- and Timber Structures	7.5 hp	First cycle
HS1022	Economic and Technical Real Estate Management	7.5 hp	First cycle
HS1023	Structural Design of a House Project	7.5 hp	First cycle
HS1024	Structural Design of a Infra Structural Project	7.5 hp	First cycle
HS1025	Architecture, the Sketch process	7.5 hp	First cycle
HS1026	Architecture and Building Techniques	7.5 hp	First cycle
HS1027	Light, Acoustics and Design	7.5 hp	First cycle
HS1028	Coordination of Building Processes	7.5 hp	First cycle



Appendix 2: Specialisations

Degree Programme in Constructional Engineering and Design (TIBYH)

This programme has no specialisations.