



Programme syllabus

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

Degree Programme in Chemical Engineering 180 credits

Högskoleingenjörsutbildning i kemiteknik

Valid for students admitted to the education from autumn 07 (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 Chemical Engineering (TIKED)

General courses

Year 1

Mandatory courses (60.0 Credits)

Code	Name	Credits	Edu. level
KH1110	Mathematics	12.0 hp	First cycle
KH1120	General and Physical Chemistry	15.0 hp	First cycle
KH1121	Organic Chemistry	9.0 hp	First cycle
KH1122	Analytical Chemistry	7.5 hp	First cycle
KH1130	Chemical Engineering and Technology 1	7.5 hp	First cycle
KH1150	Engineering Skills	9.0 hp	First cycle

Optional courses

Code	Name	Credits	Edu. level
KH1000	Introduction to Mathematics	1.5 hp	First cycle
KH1002	Introduction to Chemistry	1.5 hp	First cycle

Year 2

Mandatory courses (49.5 Credits)

Code	Name	Credits	Edu. level
KH1211	Mathematical Statistics	4.5 hp	First cycle
KH1223	Biotechnology	7.5 hp	First cycle
KH1231	Chemical Engineering and Technology 2	21.0 hp	First cycle
KH1241	The Role of Chemical Engineers in Sustainable Development	6.0 hp	First cycle
KH1251	Electrical Measurements, Control Theory and Practice	6.0 hp	First cycle
KH1252	Business Administration	4.5 hp	First cycle

Year 3

Mandatory courses (46.5 Credits)

Code	Name	Credits	Edu. level
KH1324	Analytical Chemistry 2	7.5 hp	First cycle
KH1332	Chemical Engineering and Technology 3	9.0 hp	First cycle
KH1341	Environmental Technology	7.5 hp	First cycle
KH1353	Organisational Development and Leadership for Engineers	7.5 hp	First cycle
KH139X	Degree Project in Chemical Engineering and Technology, First Cycle	15.0 hp	First cycle

Optional courses

Code	Name	Credits	Edu. level
KD1130	Inorganic Chemistry	6.0 hp	First cycle
KH1402	Ecological Chemistry	6.0 hp	First cycle



Appendix 2: Specialisations

Degree Programme in Chemical Engineering (TIKED)

This programme has no specialisations.