

# Chemistry, Bachelor's Programme

180 credits

Kemi - molekylär design, kandidatprogram

6KKEM

Valid from: 2016 Autumn semester

**Determined by**

Board of Studies for Chemistry, Biology  
and Biotechnology

**Date determined**

2016-01-19

## Entry requirements

### Degree in Swedish

Naturvetenskaplig kandidatexamen, 180 hp

### Degree in English

Degree of Bachelor of Science

## Curriculum

### Semester 2 (Spring 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
<b>Period 1</b>					
NKEB06	Inorganic Chemistry	6	G1X	2	C
NKEB08	Experimental Chemistry	6*	G1X	1	C
NMAA07	Mathematics, second course	6	G1X	3	C
TGTU35	Introduction to University Studies	2*	G1X	-	V
<b>Period 2</b>					
NKEB05	Analytical Chemistry T	6	G1X	2/4	C
NKEB08	Experimental Chemistry	6*	G1X	1	C
NKEB45	Statistical Tools for Chemical Analysis	6	G1X	2/4	C
TGTU35	Introduction to University Studies	2*	G1X	-	V

### Semester 3 (Autumn 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
<b>Period 1</b>					
NKEB04	Organic Chemistry 2	12	G1X	1/2/3	C
TGTU62	Professional Tools	6*	G1X	4	C
<b>Period 2</b>					
NKEB02	Physical Chemistry, Thermodynamics	6	G1X	3	C
NKEB03	Analytical Chemistry S	6	G1X	1/2	C
TGTU62	Professional Tools	6*	G1X	4	C

## Semester 4 (Spring 2018)

Course code	Course name	Credits	Level	Timetable module	ECV
<b>Period 1</b>					
NKEB09	Physical Chemistry, Spectroscopy	6	G1X	3	C
NKEB10	Analytical Chemistry - Chromatography	6	G1X	1	C
TFKE47	Environmental Chemistry	6*	G2X	4	C
<b>Period 2</b>					
TFKE36	Biochemistry 2	6	G2X	1/4	C
TFKE47	Environmental Chemistry	6*	G2X	1	C
NBIC52	Molecular Genetics	6	G2X	2	E
TEAE01	Industrial Economics, Basic Course	6	G1X	2	E
TPTE06	Industrial Placement	6	G1X	-	E

## Semester 5 (Autumn 2018)

Course code	Course name	Credits	Level	Timetable module	ECV
<b>Period 1</b>					
NKEC16	Organic Analytical Chemistry	12	G2X	1/3	C
NKEC23	Molecular Design - Project Course	6*	G2X	4	C
TEAE01	Industrial Economics, Basic Course	6	G1X	2	E
<b>Period 2</b>					
NKEC22	Medicinal Natural Products	6	G2X	2/4	C
NKEC23	Molecular Design - Project Course	6*	G2X	1	C
NVFA09	Pharmacology	6	G2X	3	E
TADI31	Discrete Mathematics	6	G1X	1/3	E
TEAE09	Environmental Law	6	G1X	4	E

## Semester 6 (Spring 2019)

Course code	Course name	Credits	Level	Timetable module	ECV
<b>Period 1</b>					
NKED15	Protein Chemistry	12	A1X	1/2	E
TAIU05	Linear Algebra	6	G1X	4	E
TFKE54	Preparation of Proteins	3	A1X	3	E
TFKI11	Chemometrics	3	G2X	2	E
TFKI23	Forensic Chemistry	6	G2X	3	E
TGTU01	Technology and Ethics	6	G1X	1	E
TMQU46	Quality Management	6	G2X	4	E
<b>Period 2</b>					
TQXX10	Degree project - Bachelor's Thesis	16	G2X	-	C

ECV = Elective / Compulsory / Voluntary

\*The course is divided into several semesters and/or periods