Chemical Analysis Engineering, B Sc in Engineering

180 credits

Högskoleingenjör i kemisk analysteknik

6IKEA

Valid from: 2015 Spring semester

Determined by
Board of Studies for Chemistry, Biology and Biotechnology

Date determined

Entry requirements

Degree in Swedish

Högskoleingenjörsexamen och Teknologie kandidatexamen, 180 hp

Degree in English

Bachelor of Science in Engineering and Bachelor of Science

Curriculum

Semester 4 (Spring 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
NKEB10	Analytical Chemistry - Chromatography	6	G1X	1	C
TDDD11	Introduction to Programming	8*	G1X	4	E
TFKE43	Spectroscopy and Kinetics	6	G1X	3	E
TFKE47	Environmental Chemistry	6*	G2X	4	E
TGTU01	Technology and Ethics	6	G1X	1	E
TGTU91	Oral and Written Communication	6	G1X	2	E
TKMJ15	Environmental Management Strategies	6	G1X	3	E
Period 2					
TEAE01	Industrial Economics, Basic Course	6	G1X	2	C
TFMT16	Computers in Measurement Systems	6	G1X	3	C
TAIU06	Mathematical Statistics	6	G1X	4	E
TDDD11	Introduction to Programming	8*	G1X	4	E
TFKE36	Biochemistry 2	6	G2X	1/4	E
TFKE47	Environmental Chemistry	6*	G2X	1	E
THIU01	English	4	G1X	1	E
TPTE06	Industrial Placement	6	G1X	-	E
TSRT04	Introduction in Matlab	2	G1X	1	E

Semester 5 (Autumn 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
NKEC16	Organic Analytical Chemistry	12	G2X	1/3	C
TAIU08	Calculus in Several Variables	6	G1X	3	E
TDDD87	Programming and Problem Solving	6	G1X	2	E
TEIO20	Entrepreneurship and New Business Development	6*	G2X	3	E
TFKI92	Forensic Biochemistry	6*	G1X	4	E
TSIU61	Automatic Control	6	G1X	2	E
TSRT04	Introduction in Matlab	2	G1X	-	E
Period 2					
TFKI19	Project in Chemical Analysis Engineering	6	G2X	1/2	C
NKEB02	Physical Chemistry, Thermodynamics	6	G1X	3	E
NKEC22	Medicinal Natural Products	6	G2X	2/4	E
NVFA09	Pharmacology	6	G2X	3	E
TAMS11	Probability and Statistics, first course	6	G2X	4	E
TEAE09	Environmental Law	6	G1X	4	E
TEIO20	Entrepreneurship and New Business Development	6*	G2X	4	E
TEIO29	Leadership and Organisation	6	G1X	4	E
TFKI92	Forensic Biochemistry	6*	G1X	4	E
TGTU49	History of Technology	6	G1F	3	E
TKMJ24	Environmental Engineering	6	G1X	3	E

Semester 6 (Spring 2018)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFKI11	Chemometrics	3	G2X	2	C
TMQU46	Quality Management	6	G2X	4	C
TFKI23	Forensic Chemistry	6	G2X	3	E
TKMJ10	Industrial Ecology	6	A1X	1	E
TSIU04	Automatic Control, Advanced Course	4	G2X	4	E
Period 2					
TQXX11	Degree project - Bachelor's Thesis	16	G2X	-	C

ECV = Elective / Compulsory /Voluntary
*The course is divided into several semesters and/or periods