

# Biotechnology

## Study Year 1 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	12/13	12/13	12/13	12/13
								sp1	sp2	sp3	sp4
<a href="#">KBKA01</a>	6	G1	-	S	Introduction to Biochemistry		<a href="#">KS KE U W T</a>	1			
<a href="#">KOO101</a>	9	G1	-	S	Fundamental Chemistry		<a href="#">KS KE U W T</a>	1	2		
<a href="#">KBTA01</a>	7	G1	-	S	Biotechnology, Project		<a href="#">KS KE U W T</a>	1	2	3	4
<a href="#">EMAA01</a>	15	G1	-	S	Calculus in One Variable		<a href="#">KS KE U W T</a>	1	-	3	4
<a href="#">FMA420</a>	6	G1	-	S	Linear Algebra		<a href="#">KS KE U W T</a>		2		
<a href="#">KKKA10</a>	8	G1	-	S	Calculations in Biotechnology		<a href="#">KS KE U W T</a>			3	4
<a href="#">KOK012</a>	9	G1	-	S	Organic Chemistry, Basic Course		<a href="#">KS KE U W T</a>			3	4

## Study Year 2 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	12/13	12/13	12/13	12/13
								sp1	sp2	sp3	sp4
<a href="#">EMA430</a>	6	G1	-	S	Calculus in Several Variables		<a href="#">KS KE U W T</a>	1			
<a href="#">KFKA05</a>	7.5	G1	-	S	Molecular Driving Forces 1: Thermodynamics		<a href="#">KS KE U W T</a>	1			
<a href="#">KMB060</a>	7.5	G1	-	E2	Microbiology		<a href="#">KS KE U W T</a>		2		
<a href="#">KETF01</a>	9	G2	-	S	Transport Phenomena, Basic Course		<a href="#">KS KE U W T</a>		2		
<a href="#">KBK011</a>	7.5	G1	-	S	Biochemistry		<a href="#">KS KE U W T</a>			3	
<a href="#">KFKF01</a>	7.5	G2	-	S	Molecular Driving Forces 2: Interactions and Dynamics		<a href="#">KS KE U W T</a>				4
<a href="#">KETF10</a>	7.5	G2	-	S	Separation Processes, Basic Course		<a href="#">KS KE U W T</a>				4

## Study Year 2 (Elective Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links						
							12/13 sp1	12/13 sp2	12/13 sp3	12/13 sp4			
<a href="#">KOK032</a>	7.5	G2	X	E1	Environmental Chemistry		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	
<a href="#">KOO022</a>	7.5	G1	-	S	Inorganic Chemistry		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	

## Study Year 3 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	12/13	12/13	12/13	12/13
								sp1	sp2	sp3	sp4
<a href="#">KAKF01</a>	9	G2	-	S	Analytical Chemistry		<a href="#">KS KE U W T</a>	1			
<a href="#">EMS086</a>	7.5	G2	-	S	Mathematical Statistics		<a href="#">KS KE U W T</a>	1			
<a href="#">KET045</a>	7.5	G2	-	S	Chemical Reaction Engineering		<a href="#">KS KE U W T</a>		2		
<a href="#">MIO012</a>	6	G1	-	S	Managerial Economics, Basic Course		<a href="#">KS KE U W T</a>		2		
<a href="#">BLT015</a>	7.5	G2	X	E1	Unit Operations in the Biotech and Food Industry		<a href="#">KS KE U W T</a>			3	
<a href="#">KBT115</a>	7.5	G2	X	E2	Bioprocess Technology	X	<a href="#">KS KE U W T</a>				4
<a href="#">KBK041</a>	7.5	G2	X	E2	Gene Technology		<a href="#">KS KE U W T</a>				4

[KBT115](#) Bioprocess Technology: *The course is given in Swedish in study period 4 year 3.*

### Study Year 3 (Elective Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links			
							12/13 sp1	12/13 sp2	12/13 sp3	12/13 sp4
<a href="#">KBK070</a>	7.5	G2	-	S	Cell biology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">EMS210</a>	7.5	G2	-	S	Chemometrics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>			3	

### Specialisation I - Pharma

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
											sp1	sp2	sp3	sp4
<a href="#">KLG027</a>	7.5	A	O	4	4	X	E2	Drug Formulation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">KOK085</a>	7.5	G2	O	4	4	X	E1	Medicinal Chemistry		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">KFK032</a>	7.5	A	V	4	4	X	E1	Biophysical Chemistry		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">KNL026</a>	7.5	G2	V	4	4	X	E2	Physiology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">KMB031</a>	7.5	G2	V	4	4	X	E1	Quality and Product Safety		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">KFEK05</a>	7.5	A	V	4	4	X	E2	Surface and Colloid Chemistry		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">EMS210</a>	7.5	G2	V	4	3	-	S	Chemometrics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>			3	



Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
											sp1	sp2	sp3	sp4
<a href="#">KAK050</a>	7.5	A	V	4	4	X	E1	Chromatographic Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">KOK090</a>	7.5	A	V	4	4	X	E1	Drug Synthesis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">KAKN05</a>	15	A	V	4	4	X	E1	Project in Chromatographic Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">KOK100</a>	15	A	V	4	4	X	E1	Project in Medicinal Chemistry		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>			3	4
<a href="#">ERTN25</a>	7.5	A	V	4	4	-	S	Automatic Process Control		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">KLG05</a>	15	A	V	5	5	X	E1	Integrated Project on Food or Pharmaceutical Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		

## Specialisation Im - Food

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links					
											sp1	sp2	sp3	sp4	
<a href="#">KMB023</a>	7.5	G2	O	4	4	X	E1	Food Microbiology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1				
<a href="#">KLG080</a>	7.5	A	O	4	4	X	E	Integrated Food Science		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3		
<a href="#">KLG060</a>	7.5	A	V	4	4	X	E	Food Chemistry for Product Formulation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1				
<a href="#">KNL026</a>	7.5	G2	V	4	4	X	E2	Physiology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2			
<a href="#">KLG01</a>	7.5	A	V	4	4	X	E	Probiotics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2			
<a href="#">KMB031</a>	7.5	G2	V	4	4	X	E1	Quality and Product Safety		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2			
<a href="#">KFKN05</a>	7.5	A	V	4	4	X	E2	Surface and Colloid Chemistry		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2			

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links						
											sp1	sp2	sp3	sp4			
<a href="#">EMS210</a>	7.5	G2	V		4	3	-	S	Chemometrics		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">T</a>	3		
<a href="#">KAK050</a>	7.5	A	V		4	4	X	E1	Chromatographic Analysis		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	
<a href="#">KNLN01</a>	7.5	A	V		4	4	X	E	Human Nutrition		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	
<a href="#">KAKN05</a>	15	A	V		4	4	X	E1	Project in Chromatographic Analysis		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	4
<a href="#">FRTN25</a>	7.5	A	V		4	4	-	S	Automatic Process Control		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>		4
<a href="#">KLT051</a>	7.5	G2	V		4	4	-	E2	Dairy Technology		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>		4
<a href="#">KLG085</a>	7.5	A	V		4	4	X	E1	Integrated Food Science: Production System		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>		4

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links			
										sp1	sp2	sp3	sp4
<a href="#">KLT065</a>	7.5	G2	V	5	5	-	E2	Dairy Processing	<a href="#">KS KE U W T</a>	1			
<a href="#">KLGNO5</a>	15	A	V	5	5	X	E1	Integrated Project on Food or Pharamaceutical Technology	<a href="#">KS KE U W T</a>	1	2		

### Specialisation mb - Molecular Biotechnology

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links					
												sp1	sp2	sp3	sp4	
<a href="#">KBTN01</a>	7.5	A	V		4	4	X	E	Bio Analytical Chemistry		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1				
<a href="#">KBK050</a>	7.5	A	V		4	4	X	E1	Protein Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1				
<a href="#">KFK032</a>	7.5	A	V		4	4	X	E1	Biophysical Chemistry		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2			
<a href="#">KBK031</a>	7.5	A	V		4	4	X	E1	Enzyme Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2			
<a href="#">KMB031</a>	7.5	G2	V		4	4	X	E1	Quality and Product Safety		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2			
<a href="#">KBT060</a>	7.5	G2	V		4	4	X	E	Separations in Biotechnology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2			
<a href="#">EMS210</a>	7.5	G2	V		4	3	-	S	Chemometrics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>				3	

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1 sp2 sp3 sp4			
<a href="#">KAK050</a>	7.5	A	V		4	4	X	E1	Chromatographic Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">KFKN01</a>	7.5	A	V		4	4	X	E2	Magnetic Resonance - Spectroscopy and Imaging		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">KMB040</a>	7.5	A	V		4	4	X	E	Metabolic engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">KAKN05</a>	15	A	V		4	4	X	E1	Project in Chromatographic Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">KBK075</a>	7.5	A	V		4	4	X	E1	Bioinformatics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">KIM015</a>	7.5	A	V		4	4	X	E2	Immunotechnology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">KMBN01</a>	15	A	V		5	5	X	E	Project in Molecular Biotechnology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		

## Specialisation pt - Bioprocess Technology

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links					
											sp1	sp2	sp3	sp4	
<a href="#">KTE071</a>	7.5	A	O	4	4	X	E1	Biochemical Reaction Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1				
<a href="#">KBT060</a>	7.5	G2	O	4	4	X	E	Separations in Biotechnology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2			
<a href="#">KBTN01</a>	7.5	A	V	4	4	X	E	Bio Analytical Chemistry		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1				
<a href="#">KETN05</a>	7.5	A	V	4	4	-	S	Industrial Separation Processes		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1				
<a href="#">KBK050</a>	7.5	A	V	4	4	X	E1	Protein Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1				
<a href="#">KFK032</a>	7.5	A	V	4	4	X	E1	Biophysical Chemistry		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2			
<a href="#">KBT080</a>	7.5	G2	V	4	4	X	E	Environmental Biotechnology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2			



Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
												sp1	sp2	sp3	sp4
<a href="#">KBK031</a>	7.5	A	V		4	4	X	E1	Enzyme Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">KTE131</a>	7.5	G2	V		4	4	-	S	Loss Prevention		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">KMB040</a>	7.5	A	V		4	4	X	E	Metabolic engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">KETN01</a>	7.5	A	V		4	4	X	E1	Process Simulation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">KBT042</a>	15	A	V		4	4	X	E2	Biotechnology, Process and Plant Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">FRTN25</a>	7.5	A	V		4	4	-	S	Automatic Process Control		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">KBK075</a>	7.5	A	V		4	4	X	E1	Bioinformatics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4

## Elective Courses - B

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
										sp1	sp2	sp3	sp4
<a href="#">KKK000</a>	15	A	4	4	X	E2	Advanced course in one or more subjects	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1			
<a href="#">MTTN40</a>	7.5	A	4	3	X	E2	Packaging Technology and Development		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EDAA20</a>	7.5	G1	4	3	-	S	Programming and Databases		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">GEMA30</a>	4.5	G1	4	1	-	S	Swedish for Engineers		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">GEMA20</a>	7.5	G1	4	1	-	E	English for Engineers		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">FMIF15</a>	7.5	G2	4	4	-	S	Environmental Science		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">GEMF05</a>	7.5	G2	4	1	X	E	Gender in Science and Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>	1	2		

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
										sp1	sp2	sp3	sp4
<a href="#">GEMA25</a>	7.5	G1	4	1	-	S	German for Engineers		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">GEMA50</a>	4.5	G1	4	1	-	S	History of Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">GEMA60</a>	7.5	G1	4	1	-	S	Law for Engineers, Introductory Course in Business Law		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">GEMA75</a>	7.5	G1	4	1	-	S	Spanish for Engineers: Spanish and Latin-American culture and society		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">GEMA70</a>	15	G1	4	1	-	S	Japanese for Engineers		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2	3	
<a href="#">KKK000</a>	15	A	4	4	X	E2	Advanced course in one or more subjects	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		2		
<a href="#">KTE061</a>	7.5	A	4	4	X	E1	Chemical Reaction Engineering, Advanced Course	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		

Course Code	Credits	Cycle	Language				Course Name	Footnote	Links								
			Year	From year	S.Ex. stud.	Footnote			sp1	sp2	sp3	sp4					
<a href="#">EDA501</a>	6	G1	4	3	-	S	Programming, First Course	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>		2	3	4
<a href="#">KKK000</a>	15	A	4	4	X	E2	Advanced course in one or more subjects	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>			3	
<a href="#">EMAF10</a>	5	G2	4	4	-	S	Applied Mathematics - Linear systems		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>			3	
<a href="#">FHL055</a>	7.5	G1	4	4	-	S	Engineering Mechanics		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>			3	
<a href="#">KET030</a>	7.5	G2	4	4	-	S	Heat Engineering		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>			3	
<a href="#">MIO040</a>	6	G2	4	4	-	S	Managerial Economics, Advanced Course		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>			3	
<a href="#">ETIA10</a>	7.5	G1	4	4	X	E	Patent and Intellectual Property Rights		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>			3	

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
									sp1	sp2	sp3	sp4	
<a href="#">GEMA65</a>	7.5	G1	4	1	-	S	Chinese for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>				3	4
<a href="#">GEMA20</a>	7.5	G1	4	1	-	E	English for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				3	4
<a href="#">GEMA40</a>	7.5	G1	4	1	-	S	Entrepreneurship and Business Development	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				3	4
<a href="#">GEMA01</a>	7.5	G1	4	1	-	S	French for Engineers: Language, Culture and Society, First Course	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				3	4
<a href="#">GEMA60</a>	7.5	G1	4	1	-	S	Law for Engineers, Introductory Course in Business Law	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				3	4
<a href="#">GEMA55</a>	6	G1	4	1	-	S	Medicine for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				3	4
<a href="#">GEMA45</a>	3	G1	4	1	-	S	Teaching and Learning	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				3	4

Course Code	Credits	Cycle	Language				Course Name	Footnote	Links					
			Year	From year	S.Ex. stud.				sp1	sp2	sp3	sp4		
<a href="#">KKK000</a>	15	A	4	4	X	E2	Advanced course in one or more subjects	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>		4
<a href="#">MIO040</a>	6	G2	4	4	-	S	Managerial Economics, Advanced Course		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	4
<a href="#">KOO052</a>	7.5	G2	4	4	-	S	Materials and Polymer Technology		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	4

[KKK000](#) Advanced course in one or more subjects: *The course is not linked to a specific study period. The data on hours (time table) implies that the course is over one study period. Individual study plan should be drawn up and approved.*

[KTE061](#) Chemical Reaction Engineering, Advanced Course: *Take-home examination*

[EDA501](#) Programming, First Course: *The course begins with a few lectures at the end of period 2, but the majority of the course is given in period 3 and 4.*

## Bachelor's Projects - B

The list contains the bachelor's projects that are included in the B programme. The list is not necessarily complete before the academic year 2016/17.

### Links

Course Code	Credits	Course Name	Links
KBKL01	15	Bachelor Project in Applied Biochemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KMBL01	15	Bachelor Project in Applied Microbiology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KFKL01	15	Bachelor Project in Biophysical Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KBTL01	15	Bachelor Project in Biotechnology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KETL01	15	Bachelor Project in Chemical Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KLTL01	15	Bachelor Project in Food Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KOKL01	15	Bachelor Project in Organic Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KAKL01	15	Bachelor Project in Technical Analytical Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>



## Degree Projects - B

The list contains the degree project courses that are included in the B programme.

### Links

Course Code	Credits	Course Name	Links
KBK820	30	Degree Project in Applied Biochemistry for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KMB820	30	Degree Project in Applied Microbiology for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KNL820	30	Degree Project in Applied Nutrition and Food Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
FRT820	30	Degree Project in Automatic Control for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KFK920	30	Degree Project in Biophysical Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KBT820	30	Degree Project in Biotechnology for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KET920	30	Degree Project in Chemical Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KLT920	30	Degree Project in Food Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KL820	30	Degree Project in Food Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KIM820	30	Degree Project in Immunotechnology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KOO920	30	Degree Project in Materials Chemistry for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KOK820	30	Degree Project in Organic Chemistry for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
MTT920	30	Degree Project in Packaging Logistics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KL920	30	Degree Project in Pharmaceutical Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KTE720	30	Degree project in Polymer Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
MIO920	30	Degree Project in Production Management	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KAK820	30	Degree Project in Technical Analytical Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VVA820	30	Degree Project in Water and Environmental Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>