

Biotechnology

Study Year 1, Academic Year 2019/20 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	19/20	19/20	19/20	19/20
								sp1	sp2	sp3	sp4
KBTA05	7.5	G1	-	S	Introduction to Biotechnology		KS KE U T	1			
EMAA05	15	G1	-	S	Calculus in One Variable		KS KE U W T	1	2		
KOOA20	7.5	G1	-	S	Introductory Chemistry		KS KE U W T		2		
KOOA15	7.5	G1	-	S	General Chemistry		KS KE U W T			3	
EMAA20	7.5	G1	-	S	Linear Algebra with Introduction to Computer Tools		KS KE U W T			3	
KLGA01	7.5	G1	-	S	Life Science Processes and Calculations		KS KE U W T				4
KOKA25	7.5	G1	-	S	Organic Chemistry		KS KE U W T				4

Study Year 2, Academic Year 2020/21 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	20/21	20/21	20/21	20/21
								sp1	sp2	sp3	sp4
EMAB30	6	G1	-	S	Calculus in Several Variables		KS KE U W T	1			
KFKA05	7.5	G1	-	S	Molecular Driving Forces 1: Thermodynamics		KS KE U W T	1			
KMBA01	7.5	G1	-	S	Microbiology		KS KE U W T		2		
KETF01	9	G2	-	S	Transport Phenomena, Basic Course		KS KE U W T		2		
KBKF05	7.5	G2	-	S	Cell biology		KS KE U W T			3	
KFKF01	7.5	G2	-	S	Molecular Driving Forces 2: Interactions and Dynamics		KS KE U W T				4
KETF10	7.5	G2	X	E1	Separation Processes, Basic Course		KS KE U W T				4
KBKA10	7.5	G1	-	E	Biochemistry	X	KS KE U W T	Course on hold			

[KBKA10](#) Biochemistry: *The course is offered every other academic year and will next be offered in 2021/22.*

Study Year 2, Academic Year 2020/21 (Elective Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links			
							20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4
KASF01	7.5	G2	X	E1	Environmental Chemistry	KS KE U W T			3	
KASA10	7.5	G1	-	S	Inorganic Chemistry	KS KE U W T			3	

Study Year 3, Academic Year 2021/22 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	21/22	21/22	21/22	21/22
								sp1	sp2	sp3	sp4
KAKF05	7.5	G2	-	S	Analytical Chemistry		KS KE U W T	1			
EMSF70	7.5	G2	-	S	Mathematical Statistics	X	KS KE U W T	1			
MIOA15	7.5	G1	-	S	Managerial Economics, Basic Course		KS KE U W T		2		
KETF25	7.5	G2	-	S	Reaction Engineering		KS KE U W T		2		
KBKF15	7.5	G2	-	E	Biochemistry		KS KE U W T			3	
BLTF01	7.5	G2	X	E1	Unit Operations in the Biotech and Food Industry		KS KE U W T			3	
KBTF15	7.5	G2	X	E1	Bioprocess Technology	X	KS KE U W T				4

Course Code	Credits	Cycle	S.Ex. stud.	Language		Course Name	Footnote	Links						
								21/22 sp1	21/22 sp2	21/22 sp3	21/22 sp4			
KBKF01	7.5	G2	X		E	Gene Technology		KS	KE	U	W	T		4

[FMSF70](#) Mathematical Statistics: *The course is to be studied together with MASB02*

[KBTF15](#) Bioprocess Technology: *The course is given in Swedish in study period 4 for the B program, year 3.*

Elective Courses - B

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language		Course Name	Footnote	Links					
										sp1	sp2	sp3	sp4		
KBKF10	15	G2	3 - 21/22	2	-		E1	Course in Synthetic Biology	X	KS	KE	U	T	3	4

[KBKF10](#) Course in Synthetic Biology: *The course is partly presented in the summer and is being examined at the end of August. 5 hp exam in June, 10 hp examined in August. Registrations will be divided to 8.5 credits in the spring and 6.5 credits in the summer.*

Bachelor's Projects - B

The list contains the bachelor's projects that are included in the B programme.

Links

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