

Applied Microbiology

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	20/21	20/21	20/21	20/21
				S.Ex.	stud.				sp1	sp2	sp3	sp4
KMBF05	7.5	G2	B , MBIO , MLIV	X	E	Food Microbiology		KS KE U W T	1			
KMBN05	7.5	A	B , MBIO	X	E	Metabolic Engineering		KS KE U W T	1			
KMBN02	15	A	B , K , MBIO	X	E	Project in Life Science	X	KS KE U W T	1	2		
KMBA01	7.5	G1	B	-	S	Microbiology		KS KE U W T		2		
KMBF10	7.5	G2	B , K , MBIO , MLIV , MLAK	X	E	Quality and Product Safety	X	KS KE U W T			3	
KMBF01	15	G2	W	X	E	Molecular Cell Biology		KS KE U W T			3	4

[KMBN02](#) ([MBIO](#)) Project in Life Science: *Students admitted autumn 2014 and later must complete and pass at least one of the courses [KMBN02](#) or [KBTN10](#) in order to qualify for their Master's degree.*

[KMBF10 \(MLIV\)](#) Quality and Product Safety: *Students admitted autumn 2019 and later must complete and pass at least one of the courses FMIF20, KIIF01 or [KMBF10](#) in order to qualify for their Master's degree.*

[KMBF10 \(MLAK\)](#) Quality and Product Safety: *Students must complete and pass at least two of the courses [KASN45](#), [KFKN10](#), [KOKN05](#), [KMBF10](#), [KIMN01](#) or [KFKN05](#) in order to qualify for their Master's degree.*

Biophysical Chemistry

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	20/21	20/21	20/21	20/21
									sp1	sp2	sp3	sp4
KFKA05	7.5	G1	B , K	-	S	Molecular Driving Forces 1: Thermodynamics		KS KE U W T	1			
KFKN10	7.5	A	B , K , N , MLAK	X	E1	Biophysical Chemistry	X	KS KE U W T		2		
KFKA10	8	G1	W	-	S	Thermodynamics and Surface Chemistry		KS KE U W T		2		
KFKN01	7.5	A	B , K , N , MLAK	X	E	Magnetic Resonance - Spectroscopy and Imaging		KS KE U W T			3	
KFKF01	7.5	G2	B , K , N	-	S	Molecular Driving Forces 2: Interactions and Dynamics		KS KE U W T				4

[KFKN10 \(MLAK\)](#) Biophysical Chemistry: *Students must complete and pass at least two of the courses [KASN45](#), [KFKN10](#), [KOKN05](#), [KMBF10](#), [KIMN01](#) or [KFKN05](#) in order to qualify for their Master's degree.*

Biotechnology

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	20/21	20/21	20/21	20/21
				S.Ex. stud.					sp1	sp2	sp3	sp4
KBTF15	7.5	G2	K , MBIO , W	X	E1	Bioprocess Technology	X	KS KE U W T	1			
KBTF15			B				X					4
KBTN05	7.5	A	B , K , MBIO , MLIV , W , MLAK	X	E	Downstream Processing in Biotechnology		KS KE U T		2		
KBTF10	7.5	G2	B , MBIO , MLIV , W	X	E	Environmental Biotechnology		KS KE U W T		2		
KBTN01	7.5	A	B , MBIO , MLIV , N , MLAK	X	E	Bio Analytical Chemistry		KS KE U W T			3	
KBTF05	7.5	G2	B , MBIO , MLIV	X	E	Green Chemistry and Biotechnology		KS KE U W T			3	
KBTN10	15	A	B , MBIO	X	E1	Biotechnology, Process and Plant Design	X	KS KE U W T			3	4

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

[KBTF15 \(K\)](#) Bioprocess Technology: *The course is given in English in study period 1 for the K program.*

[KBTF15 \(MBO\)](#) Bioprocess Technology: *The course is given in English in study period 1 for exchange and master students.*

[KBTF15 \(W\)](#) Bioprocess Technology: *The course is given in English in study period 1 for the W programme*

[KBTN10 \(MBO\)](#) Biotechnology, Process and Plant Design: *Students admitted autumn 2014 and later must complete and pass at least one of the courses [KMBN02](#) or [KBTN10](#) in order to qualify for their Master's degree.*

Centre for Analysis and Synthesis (CAS)

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	20/21	20/21	20/21	20/21
									sp1	sp2	sp3	sp4
KAKF05	7.5	G2	B, K	-	S	Analytical Chemistry		KS KE U W T	1			
KASA01	9	G1	W	-	S	Fundamental Chemistry		KS KE U W T	1			
KASN10	7.5	A	K, N	X	E1	Materials Chemistry		KS KE U W T	1			
KOKN01	7.5	A	B, K, N, MIAK	X	E1	Medicinal Chemistry		KS KE U W T	1			
KASN25	7.5	A	K, N	X	E	Polymer Chemistry		KS KE U W T	1			
KASN45	7.5	A	B, K, MBIO, MLIV, MIAK	X	E1	Advanced Analytical Chemistry	X	KS KE U T		2		
KASN05	7.5	A	B, K, MBIO, MLIV	X	E1	<i>Chromatographic Analysis</i>		KS KE U W T	Examinations only			
KOOA20	7.5	G1	B, K	-	S	Introductory Chemistry		KS KE U W T		2		

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	20/21	20/21	20/21	20/21
									sp1	sp2	sp3	sp4
KASF15	7.5	G2	K , MNAV , N	X	E	Materials Analysis at the Nanoscale		KS KE U W T		2		
KOKN05	7.5	A	B , K , N , MLAK	X	E1	Organic Chemistry - Theory	X	KS KE U W T		2		
KASN20	7.5	A	K , N	X	E1	Polymer Physics		KS KE U W T		2		
KASF01	7.5	G2	B , K	X	E1	Environmental Chemistry		KS KE U W T			3	
KOKA20	7.5	G1	BME	-	S	General and Organic Chemistry		KS KE U W T			3	
KOOA15	7.5	G1	B , K	-	S	General Chemistry		KS KE U W T			3	
KASA10	7.5	G1	B , K	-	S	Inorganic Chemistry		KS KE U W T			3	

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links			
								20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4
KASA05	5	G1	W	-	S	Organic Chemistry	KS KE U W T			3	
KOKA30	12	G1	N	-	S	General, Inorganic and Organic Chemistry	KS KE U W T			3	4
KASN40	15	A	B , K , N , MLAK	X	E1	Project in Pharmaceuticals, Materials or Chemistry	KS KE U T			3	4
KOOF01	5	G2	W	X	E	Applied Aquatic Chemistry	KS KE U W T				4
KASF10	7.5	G2	N	X	E	Functional Materials	KS KE U W T				4
KOOA05	8	G1	BI	-	S	General Chemistry	KS KE U W T				4
KASE05	7.5	G2	K	X	E	Materials and Polymer Technology	KS KE U W T				4

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links			
								20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4
KASN15	7.5	A	K , N	-	E1	Microscopic Characterization of Materials	KS KE U W T				4
KOKA25	7.5	G1	B , K	-	S	Organic Chemistry	KS KE U W T				4

[KASN45](#) ([MLAK](#)) Advanced Analytical Chemistry: Students must complete and pass at least two of the courses [KASN45](#), [KFKN10](#), [KOKN05](#), [KMBF10](#), [KIMN01](#) or [KEKN05](#) in order to qualify for their Master's degree.

[KOKN05](#) ([MLAK](#)) Organic Chemistry - Theory: Students must complete and pass at least two of the courses [KASN45](#), [KFKN10](#), [KOKN05](#), [KMBF10](#), [KIMN01](#) or [KEKN05](#) in order to qualify for their Master's degree.

Department of Chemistry

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links				
				S.Ex. stud.				20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4	
KKK000	15	A	B, K, MBIO, MLIV, MWLU	-	E1	Advanced course in one or more subjects	X	KS KE U W	1			
KKK000			B, K, MBIO, MLIV, MWLU				X			2		
KKK000			B, K, MBIO, MLIV, MWLU				X				3	
KKK000			B, K, MBIO, MLIV, MWLU				X					4

[KKK000](#) ([B, K, MBIO, MLIV, MWLU](#)) 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. An individual plan should be drawn up and approved.*

Pure and Applied Biochemistry

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	20/21	20/21	20/21	20/21
									sp1	sp2	sp3	sp4
KBTA05	7.5	G1	B	-	S	Introduction to Biotechnology		KS KE U T	1			
KBKN05	7.5	A	B, MBIO	X	E1	Protein Engineering		KS KE U W T	1			
KBKN01	7.5	A	B, MBIO, MLIV	X	E1	Enzyme Technology	X	KS KE U W T		2		
KBKA05	7.5	G1	K	-	S	Technical Biology		KS KE U W T		2		
KBKA10	7.5	G1	B	-	E	Biochemistry	X	KS KE U W T	Course on hold			
KBKF05	7.5	G2	B	-	S	Cell biology		KS KE U W T			3	
KBKF10	15	G2	B, K, MBIO	-	E1	Course in Synthetic Biology	X	KS KE U T			3	4
KBKN10	7.5	A	B, MBIO	X	E1	Bioinformatics		KS KE U W T				4

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links			
								20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4
KBKF01	7.5	G2	B , MBIO	X	E	Gene Technology	KS KE U W T				4

[KBKN01](#) ([MLIV](#)) Enzyme Technology: *Students admitted autumn 2014 and later must complete and pass at least one of the courses [KBKN01](#), [KFKN05](#) or [KLGNO1](#) in order to qualify for their Master's degree.*

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

[KBKF10](#) ([B](#), [K](#), [MBIO](#)) 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 exam in August. Registrations will be divided to 8.5 credits in the spring and 6.5 credits in the summer.*

Bachelor's Projects of the Department

The list contains the bachelor's projects which are given by the department and which programme each bachelor's project is included in.

Links

Course Code	Credits	Programme	Course Name	Links
KMBL01	15	B , N , W	Bachelor Project in Applied Microbiology	KS KE U W
KFKL01	15	B , K , N	Bachelor Project in Biophysical Chemistry	KS KE U
KBTL01	15	B , N	Bachelor Project in Biotechnology	KS KE U W
KOOL01	15	K , N	Bachelor Project in Materials Chemistry	KS KE U
KOKL01	15	B , K , N	Bachelor Project in Organic Chemistry	KS KE U
KPOL01	15	K , N	Bachelor Project in Polymer Technology	KS KE U
KAKL01	15	B , K , N	Bachelor Project in Technical Analytical Chemistry	KS KE U
KBKL01	15	B , N , W	Bachelor Project in Applied Biochemistry	KS KE U W

Degree Projects of the Department

The list contains the degree projects which are given by the department and which programme each degree project is included in.

Links

Course Code	Credits	Programme	Course Name	Links
KMBM01	30	MBIO , MLIV	Degree Project in Applied Microbiology	KS KE U W
KMBM05	30	B , K , N	Degree Project in Applied Microbiology	KS KE U W
KFKM05	30	B , K , N	Degree Project in Biophysical Chemistry	KS KE U W
KBTM01	30	MBIO , MLIV	Degree Project in Biotechnology	KS KE U W
KBTM05	30	B , K , N , W	Degree Project in Biotechnology	KS KE U W
KASM10	30	B , K , N	Degree Project in Materials Chemistry	KS KE U
KASM05	30	B , K , N	Degree Project in Organic Chemistry	KS KE U W
KASM15	30	B , K , N	Degree project in Polymer Technology	KS KE U
KAKM01	30	MBIO	Degree Project in Technical Analytical Chemistry	KS KE U
KASM01	30	B , K , N	Degree Project in Technical Analytical Chemistry	KS KE U
KBKM01	30	MBIO , MLIV	Degree Project in Applied Biochemistry	KS KE U
KBKM05	30	B , N	Degree Project in Applied Biochemistry	KS KE U W