

Applied Microbiology

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links					
				S.Ex. stud.				11/12 sp4					
F O L H S													
KMB023	7.5	G2	B , MBIO , MLIV	X	E1	Food Microbiology		KS	KE	U	W	T	
KMBN01	15	A	B , MBIO	X	E	Project in Molecular Biotechnology		KS	KE	U	W	T	
KMB060	7.5	G1	B	-	E2	Microbiology		KS	KE	U	W	T	
KMB031	7.5	G2	B , K , MBIO , MLIV	X	E1	Quality and Product Safety		KS	KE	U	W	T	
KMB040	7.5	A	B , MBIO	X	E	Metabolic engineering		KS	KE	U	W	T	
KMBF01	15	G2	W	X	E	Molecular Cell Biology		KS	KE	U	W	T	

Bioorganic Chemistry

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links					
				S.Ex. stud.				11/12 sp4					
F O L H S													
KOK085	7.5	G2	B , K , N	X	E1	Medicinal Chemistry		KS	KE	U	W	T	
KOKA10	7	G1	W	-	S	Organic Chemistry		KS	KE	U	W	T	
KOK090	7.5	A	B , K	X	E1	Drug Synthesis		KS	KE	U	W	T	
KOK032	7.5	G2	B , K	X	E1	Environmental Chemistry		KS	KE	U	W	T	
KOKA01	7.5	G1	N	-	S	General and Inorganic Chemistry		KS	KE	U	W	T	
KOK012	9	G1	B , K	-	S	Organic Chemistry, Basic Course		KS	KE	U	W	T	26 4 36 0 30
KOK100	15	A	B , K	X	E1	Project in Medicinal Chemistry		KS	KE	U	T		10 20 80 10 100
KOKA05	5	G1	N	-	S	Organic Chemistry		KS	KE	U	W	T	42 20 12 0 100
KOKA15	7.5	G1	BME	-	S	Organic Chemistry		KS	KE	U	T		46 22 12 12 100

Biophysical Chemistry

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	11/12					
									sp4					
									F	O	L	H	S	
KFKA05	7.5	G1	B	-	S	Molecular Driving Forces 1: Thermodynamics		KS KE U W T						
KFK080	7.5	G1	K , Pi	-	S	Thermodynamics		KS KE U W T						
KFKA01	10	G1	W	-	S	Thermodynamics and Surface Chemistry		KS KE U W T						
KFK032	7.5	A	B , K , MBIO , MLIV	X	E1	Biophysical Chemistry		KS KE U W T						
KFKN01	7.5	A	B , K , N	X	E2	Magnetic Resonance - Spectroscopy and Imaging		KS KE U W T						
KFKF01	7.5	G2	B	-	S	Molecular Driving Forces 2: Interactions and Dynamics		KS KE U W T	28	28	20	0	60	
KFK090	7.5	G2	K , N , Pi	-	S	Molecular Interactions and Dynamics		KS KE U W T	28	28	20	0	60	

Biotechnology

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	11/12					
									sp4					
									F	O	L	H	S	
KBT050	7.5	G2	B , MBIO , MLIV , N	X	E	Bio Analytical Chemistry		KS KE U W T						
KBTA01	7	G1	B	-	S	Biotechnology, Project		KS KE U W T	0	0	0	10	0	
KBT080	7.5	G2	B , MBIO , MLIV , W	X	E	Environmental Biotechnology		KS KE U W T						
KBT060	7.5	G2	B , K , MBIO	X	E	Separations in Biotechnology		KS KE U W T						
KBT042	15	A	B , MBIO	X	E2	Biotechnology, Process and Plant Design		KS KE U W T	0	52	0	0	100	
KBT01	7.5	G2	MBIO	X	E	Green Chemistry and Biotechnology		KS KE U W T	14	12	0	10	100	
KBT115	7.5	G2	K , MBIO , W	X	E2	Bioprocess Technology	X	KS KE U W T						
KBT115			B				X		36	8	45	0	90	

[KBT115](#) ([B](#)) Bioprocess Technology: *Kursen ges på svenska i VT2 i årskurs 3*

[KBT115](#) ([K](#)) Bioprocess Technology: *Kursen ges på engelska i HT1 för K*

[KBT115](#) ([MBIO](#)) Bioprocess Technology: *Kursen ges på engelska i HT1 för utbytes och mastersstudenter. / The course is given in English in study period 1 for exchange and master students.*

[KBT115](#) ([W](#)) Bioprocess Technology: *Kursen ges på engelska i HT1 för W*

Department of Chemistry

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	11/12					
				S.Ex. stud.					sp ⁴					
									F	O	L	H	S	
KKK000	15	A	B, K, MBIO, MLIV, MWLU	X	E2	Advanced course in one or more subjects	X	KS KE U W						
KKK000			B, K, MBIO, MLIV, MWLU				X							
KKK000			B, K, MBIO, MLIV, MWLU				X							
KKK000			B, K, MBIO, MLIV, MWLU				X			0	0	0	0	400

[KKK000](#) (B, K) Advanced course in one or more subjects: *Kursen är inte knuten till någon specifik läsperiod. Uppgifterna om timmar förutsätter att kursen går över en läsperiod. Individuell studieplan ska upprättas och godkännas.*

[KKK000](#) (MBIO, MLIV, MWLU) Advanced course in one or more subjects: *Kursen är inte knuten till någon specifik läsperiod. Uppgifterna om timmar förutsätter att kursen går över en läsperiod. Individuell studieplan ska upprättas och godkännas. / 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.*

Immunotechnology

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	11/12				
				S.Ex. stud.					sp ⁴				
									F	O	L	H	S
KIM015	7.5	A	B, MBIO, N	X	E2	Immunotechnology	X	KS KE U W T	34	18	45	0	109

[KIM015](#) (N) Immunotechnology: *Endast en av kurserna [KIM015](#) och [EXTN40](#) får ingå i examen.*

Materials Chemistry

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	11/12					
									sp4					
									F	O	L	H	S	
KOO045	7.5	A	K, N	X	E2	Materials Chemistry		KS KE U W T						
KOO101	9	G1	B, K	-	S	Fundamental Chemistry		KS KE U W T						
KOO105	7.5	G2	K, MNAV, N	X	E2	Materials Analysis at the Nanoscale		KS KE U W T						
KOO022	7.5	G1	B, K	-	S	Inorganic Chemistry		KS KE U W T						
KOOA01	5	G1	W	-	S	Introductory Chemistry		KS KE U W T						
KOOF01	5	G2	W	X	E	Applied Aquatic Chemistry		KS KE U W T	19	28	10	0	76	
KOO095	7.5	G2	N	-	S	Functional Materials		KS KE U W T	56	14	0	0	90	
KOOA05	8	G1	BI	-	S	General Chemistry		KS KE U W T	42	28	0	0	110	
KOO052	7.5	G2	B, K	-	S	Materials and Polymer Technology		KS KE U W T	56	0	0	14	80	
KOO065	7.5	A	K, N	X	E2	Microscopic Characterization of Materials		KS KE U W T	14	0	70	0	80	

Polymer Technology

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	11/12					
									sp4					
									F	O	L	H	S	
KTE080	7.5	A	K, N	X	E1	Polymer Chemistry		KS KE U W T						
KPO010	7.5	A	K, N	X	E	Polymer Physics		KS KE U W T						
KPON01	15	A	K, N	X	E2	Project in Polymer and Materials Technology		KS KE U W T	14	56	0	0	100	

Pure and Applied Biochemistry

Course Code	Credits	Cycle	Language			Course Name	Footnote	Links	11/12					
			Programme	S.Ex. stud.						sp4	F	O	L	H
KBKA01	6	G1	B	-	S	Introduction to Biochemistry	KS KE U W T							
KBK050	7.5	A	B , MBIO	X	E1	Protein Engineering	KS KE U W T							
KBK031	7.5	A	B , MBIO , MLIV	X	E1	Enzyme Technology	KS KE U W T							
KBKA05	7.5	G1	K	-	E2	Technical Biology	KS KE U W T							
KBK011	7.5	G1	B	-	S	Biochemistry	KS KE U W T							
KBK070	7.5	G2	B	-	S	Cell biology	KS KE U W T							
KBK075	7.5	A	B , MBIO , MLIV	X	E1	Bioinformatics	KS KE U W T	24	28	0	0	128		
KBK041	7.5	G2	B , MBIO , MLIV	X	E2	Gene Technology	KS KE U W T	26	10	40	0	120		

Technical Analytical Chemistry

Course Code	Credits	Cycle	Language			Course Name	Footnote	Links	11/12					
			Programme	S.Ex. stud.						sp4	F	O	L	H
KAKF01	9	G2	B , K	-	S	Analytical Chemistry	KS KE U W T							
KAK050	7.5	A	B , K , MBIO , MLIV	X	E1	Chromatographic Analysis	KS KE U W T							
KAKN05	15	A	B , K , MBIO , MLIV	X	E1	Project in Chromatographic Analysis	KS KE U W T	8	0	60	10	120		

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
KMB820	30	B , K , MBIO , MLIV , N	Degree Project in Applied Microbiology for Engineers	KS U
KOK820	30	B , K , N	Degree Project in Organic Chemistry for Engineers	KS U W
KFK920	30	B , K , MBIO , N	Degree Project in Biophysical Chemistry	KS U W
KBT820	30	B , K , MBIO , MLIV , N	Degree Project in Biotechnology for Engineers	KS U W
KIM820	30	B , MBIO , N	Degree Project in Immunotechnology	KS U W
KOO920	30	B , K , N	Degree Project in Materials Chemistry for Engineers	KS U
KTE720	30	B , K , N	Degree project in Polymer Technology	KS U
KBK820	30	B , MBIO , MLIV , N	Degree Project in Applied Biochemistry for Engineers	KS U W
KAK820	30	B , K , MBIO , MLIV , N	Degree Project in Technical Analytical Chemistry	KS U