

Applied Microbiology

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	12/13																			
				S.Ex. stud.					sp1	sp2	sp3	sp4																
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
KMB023	7.5	G2	B , MBIO , MLIV	X	E1	Food Microbiology		KS KE U W T	30	20	20	0	130															
KMBN01	15	A	B , MBIO	X	E	Project in Molecular Biotechnology		KS KE U W T	20	10	0	30	130	10	20	20	30	130										
KMB060	7.5	G1	B	-	E2	Microbiology		KS KE U W T						30	5	25	0	140										
KMB031	7.5	G2	B , K , MBIO , MLIV	X	E1	Quality and Product Safety		KS KE U W T						56	0	0	16	68										
KMB040	7.5	A	B , MBIO	X	E	Metabolic engineering		KS KE U W T											34	12	40	0	54					
KMBF01	15	G2	W	X	E	Molecular Cell Biology		KS KE U W T											50	20	50	0	280					

Biophysical Chemistry

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	12/13																			
				S.Ex. stud.					sp1	sp2	sp3	sp4																
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
KFKA05	7.5	G1	B	-	S	Molecular Driving Forces 1: Thermodynamics		KS KE U W T	28	28	20	0	60															
KFK080	7.5	G1	K , Pi	-	S	Thermodynamics		KS KE U W T	28	28	20	0	60															
KFKA01	10	G1	W	-	S	Thermodynamics and Surface Chemistry		KS KE U W T	40	40	20	0	80															
KFK032	7.5	A	MBIO , MLIV	X	E1	<i>Biophysical Chemistry</i>		KS KE U W T	Examinations only																			
KFK032			B , K											38	14	15	0	60										
KFKN01	7.5	A	B , K , N	X	E2	Magnetic Resonance - Spectroscopy and Imaging		KS KE U W T											28	28	20	0	50					
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	Language		Course Name	Footnote	Links	12/13																			
				S.Ex. stud.					sp1	sp2	sp3	sp4																
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
KBTN01	7.5	A	B, MBIO, MLIV, N	X	E	Bio Analytical Chemistry		KS KE U W T	30	0	50	0	80															
KBTA01	7	G1	B	-	S	Biotechnology, Project		KS KE U W T	6	4	0	0	0	12	20	0	20	50	4	10	0	10	20	0	0	0	10	0
KBT115	7.5	G2	K, MBIO, W	X	E2	Bioprocess Technology	X	KS KE U W T	36	8	45	0	90															
KBT115			B				X																	36	8	45	0	90
KBT080	7.5	G2	B, MBIO, MLIV, W	X	E	Environmental Biotechnology		KS KE U W T						24	0	35	0	50										
KBT060	7.5	G2	B, K, MBIO	X	E	Separations in Biotechnology		KS KE U W T						25	5	40	0	80										
KBTf05	7.5	G2	MBIO, MLIV	X	E	Green Chemistry and Biotechnology		KS KE U W T											28	18	0	20	200					
KBT042	15	A	B, MBIO	X	E2	Biotechnology, Process and Plant Design		KS KE U W T											20	52	0	0	100	0	52	0	0	100

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

[KBT115](#) ([K](#)) Bioprocess Technology: *The course is given in English in study period 1.*

[KBT115](#) ([MBIO](#)) Bioprocess Technology: *The course is given in English in study period 1 for exchange and master students.*

[KBT115](#) ([W](#)) Bioprocess Technology: *The course is given in English in study period 1 for the W programme*

Centre for Analysis and Synthesis (CAS)

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	12/13																			
				S.Ex. stud.					sp1	sp2	sp3	sp4																
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
KAKF01	9	G2	B, K	-	S	Analytical Chemistry		KS KE U W T	32	14	24	1	150															
KOO045	7.5	A	K, N	X	E2	Materials Chemistry		KS KE U W T	42	28	0	0	100															
KOK085	7.5	G2	B, K, N	X	E1	Medicinal Chemistry		KS KE U W T	56	10	0	0	100															
KTE080	7.5	A	K, N	X	E1	Polymer Chemistry		KS KE U W T	26	10	34	0	120															
KOO101	9	G1	B, K	-	S	Fundamental Chemistry		KS KE U W T	28	14	15	0	50	32	16	10	0	56										
KOO105	7.5	G2	K, MNAV, N	X	E2	Materials Analysis at the Nanoscale		KS KE U W T						56	10	0	0	100										
KOKA10	7	G1	W	-	S	Organic Chemistry		KS KE U W T						42	14	16	0	100										
KAK050	7.5	A	B, K, MBIO, MLIV	X	E1	Chromatographic Analysis		KS KE U W T										36	10	20	1	135						
KOK090	7.5	A	B, K	X	E1	Drug Synthesis		KS KE U W T										40	28	0	0	100						
KOK032	7.5	G2	B, K	X	E1	Environmental Chemistry		KS KE U W T										54	28	0	0	80						
KOKA01	7.5	G1	N	-	S	General and Inorganic Chemistry		KS KE U W T										38	20	8	0	112						
KOO022	7.5	G1	B, K	-	S	Inorganic Chemistry		KS KE U W T										28	28	25	0	70						
KOOA01	5	G1	W	-	S	Introductory Chemistry		KS KE U W T										40	16	0	0	80						
KPO010	7.5	A	K, N	X	E	Polymer Physics		KS KE U W T										20	8	42	2	120						
KOK012	9	G1	B, K	-	S	Organic Chemistry, Basic Course		KS KE U W T										20	10	0	0	20	26	4	36	0	30	
KAKN05	15	A	B, K, MBIO, MLIV	X	E1	Project in Chromatographic Analysis		KS KE U W T										44	18	20	1	147	8	0	60	10	120	
KOK100	15	A	B, K	X	E1	Project in Medicinal Chemistry		KS KE U T										18	28	80	10	112	10	20	80	10	100	
KPON01	15	A	K, N	X	E2	Project in Polymer and Materials Technology		KS KE U W T										10	56	0	0	100	14	56	0	0	100	
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	
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	

Department of Chemistry

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	12/13																			
				S.Ex. stud.					sp1	sp2	sp3	sp4																
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	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	0	0	0	0	400															
KKK000			B, K, MBIO, MLIV, MWLU				X						400															
KKK000			B, K, MBIO, MLIV, MWLU				X																400					
KKK000			B, K, MBIO, MLIV, MWLU				X																	400				

[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. Individual study plan should be drawn up and approved.*

Pure and Applied Biochemistry

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	12/13																			
				S.Ex. stud.					sp1	sp2	sp3	sp4																
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
KBKA01	6	G1	B	-	S	Introduction to Biochemistry		KS KE U W T	26	6	0	0	100															
KBK050	7.5	A	B, MBIO	X	E1	Protein Engineering		KS KE U W T	20	10	40	0	130															
KBK031	7.5	A	B, MBIO, MLIV	X	E1	Enzyme Technology		KS KE U W T						22	6	56	0	84										
KBKA05	7.5	G1	K	-	E2	Technical Biology		KS KE U W T						28	6	32	0	100										
KBK011	7.5	G1	B	-	S	Biochemistry		KS KE U W T															120	30	8	40	0	
KBK070	7.5	G2	B	-	S	Cell biology		KS KE U W T															142	20	8	30	0	
KBK075	7.5	A	MLIV	X	E1	<i>Bioinformatics</i>		KS KE U W T	<i>Examinations only</i>																			
KBK075			B, MBIO																					24	28	0	0	128
KBK041	7.5	G2	MLIV	X	E2	<i>Gene Technology</i>		KS KE U W T	<i>Examinations only</i>																			
KBK041			B, MBIO																					26	10	40	0	120

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. The list is not necessarily complete before the academic year 2016/17.

Links

Course Code	Credits	Programme	Course Name	Links
KMBL01	15	B	Bachelor Project in Applied Microbiology	KS KE U
KFKL01	15	B , K	Bachelor Project in Biophysical Chemistry	KS KE U
KBTL01	15	B	Bachelor Project in Biotechnology	KS KE U
KOOL01	15	K	Bachelor Project in Materials Chemistry	KS KE U
KOKL01	15	B , K	Bachelor Project in Organic Chemistry	KS KE U
KPOL01	15	K	Bachelor Project in Polymer Technology	KS KE U
KAKL01	15	B , K	Bachelor Project in Technical Analytical Chemistry	KS KE U
KBKL01	15	B	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
KMB820	30	B , K , MBIO , MLIV , N	Degree Project in Applied Microbiology for Engineers	KS KE U
KFK920	30	B , K , MBIO , N	Degree Project in Biophysical Chemistry	KS KE U W
KBT820	30	B , K , MBIO , MLIV , N	Degree Project in Biotechnology for Engineers	KS KE U W
KOO920	30	B , K , N	Degree Project in Materials Chemistry for Engineers	KS KE U
KOK820	30	B , K , N	Degree Project in Organic Chemistry for Engineers	KS KE U W
KTE720	30	B , K , N	Degree project in Polymer Technology	KS KE U
KAK820	30	B , K , MBIO , MLIV , N	Degree Project in Technical Analytical Chemistry	KS KE U
KBK820	30	B , MBIO , MLIV , N	Degree Project in Applied Biochemistry for Engineers	KS KE U W