

## Applied Microbiology

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	16/17 sp1				16/17 sp2				16/17 sp3				16/17 sp4								
				S.Ex. stud.					F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	
<a href="#">KMB023</a>	7.5	G2	<a href="#">B, MBIO, MLIV</a>	X	E1	Food Microbiology		<a href="#">KS KE U W T</a>	30	20	20	0	130																
<a href="#">KMB040</a>	7.5	A	<a href="#">B, MBIO</a>	X	E	Metabolic engineering		<a href="#">KS KE U W T</a>	34	12	40	0	54																
<a href="#">KMBN02</a>	15	A	<a href="#">B, K, MBIO, MLIV</a>	X	E	Project in Life Science	X	<a href="#">KS KE U W T</a>	20	10	0	30	130	10	20	20	30	130											
<a href="#">KMB060</a>	7.5	G1	<a href="#">B</a>	-	S	Microbiology		<a href="#">KS KE U W T</a>						30	5	25	0	140											
<a href="#">KMB031</a>	7.5	G2	<a href="#">B, K, MBIO, MLIV</a>	X	E1	Quality and Product Safety	X	<a href="#">KS KE U W T</a>											56	0	0	16	68						
<a href="#">KMBF01</a>	15	G2	<a href="#">W</a>	X	E	Molecular Cell Biology		<a href="#">KS KE U W T</a>											38	6	50	0	180	12	14	0	0	100	

[KMBN02](#) (MBIO) Project in Life Science: Students admitted autumn 2014 and later must complete and pass at least one of the courses [KMBN02](#) or [KBT042](#) in order to qualify for their Master's degree.

[KMB031](#) (MLIV) Quality and Product Safety: Students admitted autumn 2014 and later must complete and pass at least one of the courses [FMIF20](#), [KBTF05](#) or [KMB031](#) in order to qualify for their Master's degree.

## Biophysical Chemistry

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	16/17 sp1				16/17 sp2				16/17 sp3				16/17 sp4							
				S.Ex. stud.					F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
<a href="#">KFKA05</a>	7.5	G1	<a href="#">B, K, Pi</a>	-	S	Molecular Driving Forces 1: Thermodynamics		<a href="#">KS KE U W T</a>	28	28	20	0	60															
<a href="#">KFKA01</a>	10	G1	<a href="#">W</a>	-	S	Thermodynamics and Surface Chemistry		<a href="#">KS KE U W T</a>	40	40	20	0	80															
<a href="#">KFK032</a>	7.5	A	<a href="#">B, K</a>	X	E1	Biophysical Chemistry		<a href="#">KS KE U W T</a>						38	14	15	0	60										
<a href="#">KFKN01</a>	7.5	A	<a href="#">B, K, N</a>	X	E	Magnetic Resonance - Spectroscopy and Imaging		<a href="#">KS KE U W T</a>											28	28	20	0	50					
<a href="#">KFKF01</a>	7.5	G2	<a href="#">B, K, N, Pi</a>	-	S	Molecular Driving Forces 2: Interactions and Dynamics		<a href="#">KS KE U W T</a>																28	28	20	0	60

## Biotechnology

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	16/17 sp1				16/17 sp2				16/17 sp3				16/17 sp4									
				S.Ex. stud.					F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S		
<a href="#">KBT115</a>	7.5	G2	<a href="#">K</a> , <a href="#">MBIO</a> , <a href="#">W</a>	X	E1	Bioprocess Technology	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	36	8	45	0	90																	
<a href="#">KBT115</a>			<a href="#">B</a>				X																	36	8	45	0	90		
<a href="#">KBT080</a>	7.5	G2	<a href="#">B</a> , <a href="#">MBIO</a> , <a href="#">MLIV</a> , <a href="#">W</a>	X	E	Environmental Biotechnology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			24	0	35	0	50															
<a href="#">KBTN01</a>	7.5	A	<a href="#">B</a> , <a href="#">MBIO</a> , <a href="#">MLIV</a> , <a href="#">N</a>	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>											30	0	50	0	80							
<a href="#">KBTF05</a>	7.5	G2	<a href="#">B</a> , <a href="#">MBIO</a> , <a href="#">MLIV</a>	X	E	Green Chemistry and Biotechnology	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>											28	18	0	20	200							
<a href="#">KBT042</a>	15	A	<a href="#">B</a> , <a href="#">MBIO</a>	X	E1	Biotechnology, Process and Plant Design	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>											20	52	0	0	100	0	52	0	0	100		

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

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

[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*

[KBTF05](#) ([MLIV](#)) Green Chemistry and Biotechnology: *Students admitted autumn 2014 and later must complete and pass at least one of the courses [FMIF20](#), [KBTF05](#) or [KMB031](#) in order to qualify for their Master's degree.*

[KBT042](#) ([MBIO](#)) Biotechnology, Process and Plant Design: *Students admitted autumn 2014 and later must complete and pass at least one of the courses [KMBN02](#) or [KBT042](#) in order to qualify for their Master's degree.*

## Centre for Analysis and Synthesis (CAS)



Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	16/17																			
				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
<a href="#">KKK000</a>	15	A	<a href="#">B, K, MBIO, MLIV, MWLU</a>	X	E1	Advanced course in one or more subjects	X	<a href="#">KS KE U W</a>	0	0	0	0	400															
<a href="#">KKK000</a>			<a href="#">B, K, MBIO, MLIV, MWLU</a>				X						400															
<a href="#">KKK000</a>			<a href="#">B, K, MBIO, MLIV, MWLU</a>				X												400									
<a href="#">KKK000</a>			<a href="#">B, K, MBIO, MLIV, MWLU</a>				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. An individual plan should be drawn up and approved.*

## Pure and Applied Biochemistry

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	16/17																			
				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
<a href="#">KBTA05</a>	7.5	G1	<a href="#">B</a>	-	S	Introduction to Biotechnology		<a href="#">KS KE U T</a>	32	10	0	30	100															
<a href="#">KBK050</a>	7.5	A	<a href="#">B, MBIO</a>	X	E1	Protein Engineering		<a href="#">KS KE U W T</a>	20	10	40	0	130															
<a href="#">KBK031</a>	7.5	A	<a href="#">B, MBIO, MLIV</a>	X	E1	Enzyme Technology	X	<a href="#">KS KE U W T</a>						22	6	56	0	84										
<a href="#">KBKA05</a>	7.5	G1	<a href="#">K</a>	-	S	Technical Biology		<a href="#">KS KE U W T</a>						28	6	32	0	100										
<a href="#">KBK011</a>	7.5	G1	<a href="#">B</a>	-	S	Biochemistry		<a href="#">KS KE U W T</a>											30	8	40	0	120					
<a href="#">KBK070</a>	7.5	G2	<a href="#">B</a>	-	S	Cell biology		<a href="#">KS KE U W T</a>											20	8	30	0	142					
<a href="#">KBK075</a>	7.5	A	<a href="#">B, MBIO</a>	X	E1	Bioinformatics		<a href="#">KS KE U W T</a>																24	28	0	0	128
<a href="#">KBK041</a>	7.5	G2	<a href="#">B, MBIO</a>	X	E	Gene Technology		<a href="#">KS KE U W T</a>																26	10	40	0	120

[KBK031](#) ([MLIV](#)) Enzyme Technology: *Students admitted autumn 2014 and later must complete and pass at least one of the courses [KBK031](#), [KFKN05](#) or [KLGNO1](#) in order to qualify for their Master's*

*degree.*

## 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	<a href="#">B</a> , <a href="#">N</a>	Bachelor Project in Applied Microbiology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KFKL01	15	<a href="#">B</a> , <a href="#">K</a> , <a href="#">N</a>	Bachelor Project in Biophysical Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KBTL01	15	<a href="#">B</a> , <a href="#">N</a>	Bachelor Project in Biotechnology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KOOL01	15	<a href="#">K</a> , <a href="#">N</a>	Bachelor Project in Materials Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KOKL01	15	<a href="#">B</a> , <a href="#">K</a> , <a href="#">N</a>	Bachelor Project in Organic Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KPOL01	15	<a href="#">K</a> , <a href="#">N</a>	Bachelor Project in Polymer Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KAKL01	15	<a href="#">B</a> , <a href="#">K</a> , <a href="#">N</a>	Bachelor Project in Technical Analytical Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KBKL01	15	<a href="#">B</a> , <a href="#">N</a>	Bachelor Project in Applied Biochemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>

## 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	<a href="#">MBIO</a> , <a href="#">MLIV</a>	Degree Project in Applied Microbiology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KMB820	30	<a href="#">B</a> , <a href="#">K</a> , <a href="#">N</a>	Degree Project in Applied Microbiology for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KFK920	30	<a href="#">B</a> , <a href="#">K</a> , <a href="#">N</a>	Degree Project in Biophysical Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KBTM01	30	<a href="#">MBIO</a> , <a href="#">MLIV</a>	Degree Project in Biotechnology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KBT820	30	<a href="#">B</a> , <a href="#">K</a> , <a href="#">N</a> , <a href="#">W</a>	Degree Project in Biotechnology for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KOO920	30	<a href="#">B</a> , <a href="#">K</a> , <a href="#">N</a>	Degree Project in Materials Chemistry for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KOK820	30	<a href="#">B</a> , <a href="#">K</a> , <a href="#">N</a>	Degree Project in Organic Chemistry for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KTE720	30	<a href="#">B</a> , <a href="#">K</a> , <a href="#">N</a>	Degree project in Polymer Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KAK820	30	<a href="#">B</a> , <a href="#">K</a> , <a href="#">N</a>	Degree Project in Technical Analytical Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KAKM01	30	<a href="#">MBIO</a>	Degree Project in Technical Analytical Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KBKM01	30	<a href="#">MBIO</a> , <a href="#">MLIV</a>	Degree Project in Applied Biochemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KBK820	30	<a href="#">B</a> , <a href="#">N</a>	Degree Project in Applied Biochemistry for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>