

# Environmental Engineering

## Study Year 1 (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
<a href="#">FMAA05</a>	15	G1	-	S	Calculus in One Variable		<a href="#">KS KE U W T</a>	1	2		
<a href="#">VVRA01</a>	15	G1	X	E	Hydrology and Aquatic Ecology		<a href="#">KS KE U W T</a>	1	2		
<a href="#">FAFA70</a>	7.5	G1	-	S	Energy and Environmental Physics	X	<a href="#">KS KE U W T</a>			3	
<a href="#">FMAA20</a>	7.5	G1	-	S	Linear Algebra with Introduction to Computer Tools		<a href="#">KS KE U W T</a>			3	
<a href="#">VTGA05</a>	5	G1	-	S	Engineering Geology		<a href="#">KS KE U W T</a>				4
<a href="#">EXTA01</a>	10	G1	X	E	Terrestrial Ecology		<a href="#">KS KE U W T</a>				4

[FAFA70](#) Energy and Environmental Physics: *Signing up for labgroup at introductory lecture is compulsory.*

## **Study Year 2 (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
<a href="#">EMAB30</a>	6	G1	-	S	Calculus in Several Variables		<a href="#">KS KE U W T</a>	1			
<a href="#">KASA01</a>	9	G1	-	S	Fundamental Chemistry		<a href="#">KS KE U W T</a>	1			
<a href="#">FHLA05</a>	7.5	G1	X	E	Engineering Mechanics		<a href="#">KS KE U W T</a>		2		
<a href="#">KFKA10</a>	8	G1	-	S	Thermodynamics and Surface Chemistry		<a href="#">KS KE U W T</a>		2		
<a href="#">KASA05</a>	5	G1	-	S	Organic Chemistry		<a href="#">KS KE U W T</a>			3	
<a href="#">KMBF01</a>	15	G2	X	E	Molecular Cell Biology		<a href="#">KS KE U W T</a>			3	4
<a href="#">EKFE05</a>	5	G2	X	E	Atmospheric Chemistry and Physics		<a href="#">KS KE U W T</a>				4

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links								
							19/20 sp1	19/20 sp2	19/20 sp3	19/20 sp4					
<a href="#">K00F01</a>	5	G2	X	E	Applied Aquatic Chemistry		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>				4

### Study Year 3 (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
<a href="#">EMSF75</a>	7.5	G2	-	S	Mathematical Statistics, Basic Course		<a href="#">KS KE U W T</a>	1			
<a href="#">VVRE10</a>	7.5	G2	X	E	Fluid Mechanics		<a href="#">KS KE U W T</a>	1			
<a href="#">MIOA12</a>	6	G1	-	S	Managerial Economics, Basic Course	X	<a href="#">KS KE U W T</a>		2		
<a href="#">KETF40</a>	15	G2	X	E	Mass Transfer Processes in Environmental Engineering		<a href="#">KS KE U W T</a>		2	3	
<a href="#">FMIF05</a>	12	G2	-	S	Environmental Management		<a href="#">KS KE U W T</a>			3	4
<a href="#">ERTF10</a>	6	G2	X	E	Systems Engineering		<a href="#">KS KE U W T</a>				4

[MIOA12](#) Managerial Economics, Basic Course: *Only one of the courses [MIO012](#) and [MIOA01](#) may be included in a degree.*

## Study Year 3 (Elective 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
<a href="#">EDAA45</a>	7.5	G1	-	S	Introduction to Programming	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">EDAA65</a>	6	G1	-	S	Programming, First Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">EITF90</a>	7.5	G2	-	S	Electromagnetics and Electronics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">MVKN15</a>	7.5	A	-	S	Energy Supply Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">EMSE65</a>	7.5	G2	X	E	Design of Experiments		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4

[EDAA45](#) Introduction to Programming: [EDAA45](#) is studied besides compulsory courses in W3. That means you will study at a 125% pace during the semester if you choose all obligatory courses + [EDAA45](#).

### Specialisation es - Energy Systems

Course Code	Credits	Cycle	Mand./ Elect.		Language			Course Name	Footnote	Links	sp1 sp2 sp3 sp4			
			Year	From year	S.Ex.	stud.	1				2	3	4	
<a href="#">MVKP01</a>	7.5	A	V	4	3	-	S	District Heating and Cooling	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1				
<a href="#">AEBF25</a>	7.5	G2	V	4	4	X	E	Solar Heating Technology, Basic Course	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1				
<a href="#">EMIN25</a>	7.5	A	V	4	4	-	S	Energy Systems Analysis: Energy, Environment and Natural Resources	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2			
<a href="#">EMIN30</a>	7.5	A	V	4	4	-	S	Environmental Systems Studies: Life Cycle Analysis	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2			
<a href="#">MVKN35</a>	6	A	V	4	4	-	S	Energy Markets	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2			
<a href="#">MVKN65</a>	7.5	A	V	4	3	X	E1	Power Plant Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2			
<a href="#">MVKN20</a>	7.5	A	V	4	4	-	S	Energy Utilization	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3		

Course Code	Credits	Cycle	Mand./ Elect.		Language			Course Name	Footnote	Links			
			Year	From year	S.Ex.	stud.	sp1			sp2	sp3	sp4	
<a href="#">EMIN20</a>	7.5	A	V	4	4	-	S	Energy Systems Analysis: Renewable Sources of Energy	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">EMIN05</a>	7.5	A	V	4	4	X	E1	Environmental System Studies: Climate, Science and Politics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">MVKN15</a>	7.5	A	V	4	3	-	S	Energy Supply Systems	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">FBRF01</a>	7.5	G2	V	4	3	X	E	Fundamental Combustion	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">EMIN50</a>	7.5	A	V	4	4	X	E	Environmental Issues, Project Course	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">MVKN30</a>	7.5	A	V	5	5	-	S	Advanced Efficient Energy Systems	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		1	2	
<a href="#">EIEN10</a>	7.5	A	V	5	2	X	E1	Wind Power Systems	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			2	



## Specialisation ms - Environmental Systems

Course Code	Credits	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
		Cycle									sp1	sp2	sp3	sp4
<a href="#">EMIF40</a>	15	G2	V	4	4	-	S	Solid Waste Management and Resource Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">EMIN25</a>	7.5	A	V	4	4	-	S	Energy Systems Analysis: Energy, Environment and Natural Resources		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">EMIN15</a>	7.5	A	V	4	4	-	S	Environmental Management Systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">EMIN30</a>	7.5	A	V	4	4	-	S	Environmental Systems Studies: Life Cycle Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">EXTG40</a>	15	G2	V	4	4	-	S	Environmental Law	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">EXTQ15</a>	15	A	V	4	4	-	S	Applied Ecotoxicology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">FKEN35</a>	7.5	A	V	4	3	X	E	Methods for Environmental Monitoring		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4

Course Code	Credits	Cycle	Mand./ Elect.		Language			Course Name	Footnote	Links			
			Year	From year	S.Ex. stud.	sp1	sp2			sp3	sp4		
<a href="#">EMIN05</a>	7.5	A	V	4	4	X	E1	Environmental System Studies: Climate, Science and Politics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">EMIN50</a>	7.5	A	V	4	4	X	E	Environmental Issues, Project Course	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">EMIN45</a>	7.5	A	V	4	4	-	S	Environmental Impact Assessment	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">VTGN01</a>	7.5	A	V	5	4	X	E	Field Investigation Methodology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			

[EMIN15](#) Environmental Management Systems: *Replaces [FM110](#) Environmental management systems*

[EXTG40](#) Environmental Law: *The course is to be studied with Science students (MNXC01 - Environmental law)*

## Specialisation p - Process Design

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
											sp1	sp2	sp3	sp4
<a href="#">KETN20</a>	15	A	O	4	4	X	E1	Sustainable Process Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">KETN30</a>	7.5	A	V	4	4	X	E	Biochemical Reaction Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">KBTF15</a>	7.5	G2	V	4	3	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>	1			
<a href="#">KETF20</a>	7.5	G2	V	4	4	X	E1	Chemical Engineering Processes		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EMIN30</a>	7.5	A	V	4	4	-	S	Environmental Systems Studies: Life Cycle Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">KBTF10</a>	7.5	G2	V	4	3	X	E	Environmental Biotechnology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">KETN10</a>	7.5	A	V	4	4	X	E	Applied Transport Phenomena		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>		2		

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
<a href="#">KETN01</a>	7.5	A	V	4	3	X	E1	Process Simulation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">KETE35</a>	7.5	G2	V	4	3	-	S	Loss Prevention		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">EMIN20</a>	7.5	A	V	4	4	-	S	Energy Systems Analysis: Renewable Sources of Energy		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">KETN25</a>	15	A	V	4	4	X	E1	Feasibility Studies on Industrial Plants		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">KBTN05</a>	7.5	A	V	5	4	X	E	Downstream Processing in Biotechnology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>		2		

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

## Specialisation vr - Water Resources Engineering

Course Code	Credits	Cycle	Mand./ Elect.		Language			Course Name	Footnote	Links			
			Year	From year	S.Ex.	stud.	sp1			sp2	sp3	sp4	
<a href="#">VVRF01</a>	7.5	G2	V	4	3	X	E	Integrated Water Resources Management: International Aspects	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">VVAN05</a>	15	A	V	4	4	X	E	Urban Waters	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">VTGN10</a>	7.5	A	V	4	4	X	E	Groundwater Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">VTGN05</a>	7.5	A	V	4	4	X	E	Groundwater Modelling and Contaminant Transport	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">VVAN20</a>	7.5	A	V	4	4	X	E	Advanced Wastewater Treatment	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">VVRN35</a>	7.5	A	V	4	3	X	E	Hydromechanics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">EXTF01</a>	7.5	G2	V	4	4	X	E1	Geographical Information Systems for Landscape Studies	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
											sp1	sp2	sp3	sp4
<a href="#">VVRN20</a>	7.5	A	V	4	4	X	E	Water, Society and Climate Change		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">VVRN10</a>	7.5	A	V	5	4	X	E	Rainfall Runoff Modelling		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">VSMN25</a>	7.5	A	V	5	4	X	E1	The Finite Element Method - Flow Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">VVRN40</a>	7.5	A	V	5	4	X	E	Environmental Hydraulics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">VVRN30</a>	7.5	A	V	5	4	X	E	Coastal Hydraulics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">VVRN25</a>	7.5	A	V	5	4	X	E	Pipe System Engineering and Hydraulics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		

### Elective Courses - W

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	Links			
										sp1	sp2	sp3	sp4
<a href="#">EMAA60</a>	7.5	G1	1	1	-	S	Introduction to Real Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EITA05</a>	4.5	G1	3	1	-	S	History of Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">VVRE05</a>	7.5	G2	3	3	-	E	International Summer Water Resources Research School	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">IYT000</a>	15	G2	4	3	-	S	Engineering Training Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1			
<a href="#">MVKN50</a>	7.5	A	4	4	X	E1	Introduction to Combustion Engines		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EXTQ10</a>	15	A	4	4	X	E1	Limnology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EDAA01</a>	7.5	G1	4	3	-	S	Programming - Second Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		



Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links			
									sp1	sp2	sp3	sp4
<a href="#">IYT000</a>	15	G2	4	3	-	S	Engineering Training Course	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>			2	
<a href="#">ESSF15</a>	5	G2	4	4	-	S	Electrical Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				3
<a href="#">IYT000</a>	15	G2	4	3	-	S	Engineering Training Course	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>				3
<a href="#">MAMN35</a>	7.5	A	4	4	-	S	Risk Analysis Methods for Health and Environment	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>				3
<a href="#">AEBF30</a>	7.5	G2	4	4	X	E	Photovoltaic Systems, Basic Course	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				3
<a href="#">EMAF10</a>	5	G2	4	4	-	S	Applied Mathematics - Linear systems	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				3
<a href="#">MVKN60</a>	7.5	A	4	4	X	E1	Theory of Turbo Machinery	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				3

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links					
									sp1	sp2	sp3	sp4		
<a href="#">KIIF01</a>	7.5	G2	4	4	X	E1	Industrial Environmental Management		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	4
<a href="#">IYT000</a>	15	G2	4	3	-	S	Engineering Training Course		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>		4
<a href="#">EXTN25</a>	15	A	4	4	X	E	Water Management		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">T</a>		4

[VVRE05](#) International Summer Water Resources Research School: *Most of the course is taught outside normal semester time.*

## Externally Elective Courses - W

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
										sp1	sp2	sp3	sp4
<a href="#">GEMA20</a>	7.5	G1	3	1	-	E	English for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">GEMA25</a>	7.5	G1	3	1	-	S	German for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">GEMA20</a>	7.5	G1	3	1	-	E	English for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">GEMA01</a>	7.5	G1	3	1	-	S	French for Engineers: Language, Culture and Society, First Course	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">GEMA65</a>	7.5	G1	3	1	-	S	Chinese for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">GEMA70</a>	15	G1	4	1	-	S	Japanese for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1	2		
<a href="#">BMEA01</a>	6	G1	4	4	-	S	Medicine for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4

[GEMA20](#) English for Engineers: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*

[GEMA25](#) German for Engineers: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*

[GEMA01](#) French for Engineers: Language, Culture and Society, First Course: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*

[GEMA65](#) Chinese for Engineers: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*

[GEMA70](#) Japanese for Engineers: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*

[BMEA01](#) Medicine for Engineers: *The course is offered every other academic year and will be given in 2019/20, 2021/22.*

## Bachelor's Projects - W

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

### Links

Course Code	Credits	Course Name	Links
MAML10	15	Bachelor Project in Aerosol Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
EXTL02	15	Bachelor Project in Ecology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
PHYL01	15	Bachelor Project in Physics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KETL01	15	Bachelor Project in Chemical Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
FMIL01	15	Bachelor Project in Environmental Studies	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KOKL01	15	Bachelor Project in Organic Chemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VTGL01	15	Bachelor Project in Engineering Geology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KMBL01	15	Bachelor Project in Applied Microbiology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
VVRL01	15	Bachelor Project in Water Resources Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
KBKL01	15	Bachelor Project in Applied Biochemistry	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>

## Degree Projects - W

The list contains the degree project courses that are included in the W programme.

### Links

Course Code	Credits	Course Name	Links
MAMM05	30	Degree Project in Aerosol Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KBTM05	30	Degree Project in Biotechnology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
EXTM20	30	Degree Project in Ecology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
AEBM05	30	Degree Project in Energy and Building Design	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
MVKM01	30	Degree Project in Energy Sciences	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
MAMM10	30	Degree Project in Ergonomics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
PHYM01	30	Degree Project in Physics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
KETM05	30	Degree Project in Chemical Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
FMIM01	30	Degree Project in Environmental Studies	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
VTGM05	30	Degree Project in Engineering Geology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VVRM05	30	Degree Project in Water Resources Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
VVAM05	30	Degree Project in Water and Environmental Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>