

# Computer Science and Engineering

## Study Year 1, Academic Year 2011/12 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	11/12					
								sp4					
								F	O	L	H	S	
<a href="#">EDA070</a>	3	G1	-	S	Computer Introduction		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>						
<a href="#">EDAA05</a>	8	G1	-	S	Computers in Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>						
<a href="#">EDA016</a>	7.5	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>						
<a href="#">FMAA01</a>	15	G1	-	S	Calculus in One Variable		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>						
<a href="#">ETIA01</a>	8	G1	-	S	Electronics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	14	14	12	0	60	
<a href="#">EDAA01</a>	7.5	G1	-	S	Programming - Second Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>						
<a href="#">FMA420</a>	6	G1	-	S	Linear Algebra		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	42	28	0	0	90	
<a href="#">ETSA01</a>	5	G1	-	S	Software Engineering Process - Methodology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	10	10	0	0	115	

## Study Year 2, Academic Year 2012/13 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	12/13 sp1				12/13 sp2				12/13 sp3				12/13 sp4							
								F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
<a href="#">ETS052</a>	4.5	G2	X	E2	Computer Communication		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	14	8	0	70															
<a href="#">EIT020</a>	9	G2	-	S	Design of Digital Circuits – A Systems Approach		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	28	8	0	75	14	14	16	0	55										
<a href="#">EDAF10</a>	7.5	G2	-	S	Object-oriented Modeling and Discrete Structures		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	12	6	2	108	4	0	0	4	36										
<a href="#">FMA430</a>	6	G1	-	S	Calculus in Several Variables		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>						50	28	4	0	90										
<a href="#">EDA260</a>	6	G2	-	S	Software Development in Teams – Project		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>						14	0	8	0	40	2	16	48	0	34					
<a href="#">FMAF10</a>	5	G2	-	S	Applied Mathematics - Linear systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>											28	14	4	0	75					
<a href="#">EIT070</a>	6	G2	-	S	Computer Organization		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>											14	8	16	0	120					
<a href="#">EDAF05</a>	5	G2	-	S	Algorithms, Data Structures and Complexity		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>																20	0	12	0	100
<a href="#">ETI265</a>	7.5	G1	X	S	Signal Processing in Multimedia	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>																28	28	14	0	120
<a href="#">ETSA05</a>	4	G1	-	S	Software Engineering Process - Soft Issues		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>																14	14	0	0	75

[FMAF10](#) Applied Mathematics - Linear systems: *Can be replaced by [FMAF01](#) and [FMAF05](#) together. Only one of the courses [FMAF10](#) and [FMAF05](#) may be included in a degree.*

[ETI265](#) Signal Processing in Multimedia: *Students admitted to the China specialisation takes this course in the autumn of year three, in China.*

## Study Year 2, Academic Year 2012/13 (Elective Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	12/13 sp1				12/13 sp2				12/13 sp3				12/13 sp4							
								F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
<a href="#">FMAF01</a>	7	G2	-	S	Mathematics - Analytic Functions	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>											42	28	4	0	130					
<a href="#">FMAF05</a>	7	G2	-	S	Mathematics - Systems and Transforms	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>																42	28	4	0	90

[FMAF01](#) Mathematics - Analytic Functions: *Can together with [FMAF05](#) replace [FMAF10](#). Also given as an elective course in the 4th year.*

[FMAF05](#) Mathematics - Systems and Transforms: *Can together with [FMAF01](#) replace [FMAF10](#). Only one of the courses [FMAF05](#) and [FMAF10](#) may be included in a degree.*



Course Code	Credits	Cycle	Mand./ Elect.		Language			Course Name	Footnote	Links	sp4				
			Year	From year	S.Ex. stud.	F	O				L	H	S		
<a href="#">EDA221</a>	7.5	G2	V	4 - 14/15	4	X	E	Computer Graphics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	26	0	10	0	160
<a href="#">EMAN20</a>	7.5	A	V	4 - 14/15	4	X	E1	Image Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	32	18	8	1	141
<a href="#">MAMN25</a>	7.5	A	V	4 - 14/15	4	-	S	Interaction Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	30	14	0	14	142
<a href="#">FMSF10</a>	7.5	G2	V	4 - 14/15	4	X	E1	Stationary Stochastic Processes	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	28	6	0	120
<a href="#">FMA120</a>	6	A	V	4 - 14/15	4	X	E1	Matrix Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	14	14	0	1	52
<a href="#">EDAN35</a>	7.5	A	V	4 - 14/15	4	X	E	High Performance Computer Graphics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FAFF20</a>	7.5	G2	V	4 - 14/15	4	X	E	Multi-spectral Imaging		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EMAN40</a>	3	A	V	4 - 14/15	4	X	E1	Project in Applied Mathematics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FMA135</a>	6	G1	V	4 - 14/15	4	-	E1	Geometry	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FMA270</a>	6	A	V	4 - 14/15	4	X	E1	Computer Vision		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">MAM101</a>	7.5	G2	V	4 - 14/15	4	-	S	Virtual Reality in Theory and Practice		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">MAMN01</a>	7.5	A	V	4 - 14/15	4	-	S	Advanced Interaction Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>					
<a href="#">ETIF10</a>	7.5	G2	V	4 - 14/15	4	X	E1	Signal Processing - Design and Implementation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FMN100</a>	6	A	V	5 - 15/16	4	X	E1	Numerical Methods in CAGD	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	0	0	4	130
<a href="#">FMSN20</a>	7.5	A	V	5 - 15/16	4	X	E1	Spatial Statistics with Image Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					

[FMSF10](#) Stationary Stochastic Processes: *Only one of the courses [FMS045](#) and [FMSF10](#) may be included in a degree.*

[FMA135](#) Geometry: *Please note that the contents of the course are partly (3 credits) the same as in [FMN100](#).*

[FMN100](#) Numerical Methods in CAGD: *Please note that the contents of the course are partly (3 credits) the same as in [FMA135](#).*

## Specialisation dpd - Design of Processors and Digital Systems

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4				
												F	O	L	H	S
<a href="#">ETIN20</a>	7.5	A	V		4 - 14/15	4	X	E	Digital IC-design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	24	12	12	0	150
<a href="#">EITF35</a>	7.5	G2	V		4 - 14/15	4	X	E	Introduction to Structured VLSI Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	10	0	28	0	162
<a href="#">ETIN70</a>	7.5	A	V		4 - 14/15	4	X	E1	Modern Electronics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	12	6	0	0
<a href="#">ESS050</a>	9	G2	V		4 - 14/15	4	-	E	Electromagnetic Fields		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	22	22	0	0	50
<a href="#">EITF20</a>	7.5	G2	V		4 - 14/15	4	X	E1	Computer Architecture		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EITF40</a>	7.5	G2	V		4 - 14/15	4	X	E1	Digital and Analogue Projects		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">ETIN45</a>	7.5	A	V		4 - 14/15	4	X	E	DSP-design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">ESSF10</a>	5	G2	V		4 - 14/15	4	-	S	Electrical Measurements		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">ETIN35</a>	7.5	A	V		4 - 14/15	4	X	E	IC-project 1		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDAN15</a>	7.5	A	V		4 - 14/15	4	X	E	Design of Embedded Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDA385</a>	7.5	A	V		5 - 15/16	4	X	E	Design of Embedded Systems, Advanced Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	14	0	14	0	164
<a href="#">ETIN40</a>	7.5	A	V		5 - 15/16	4	X	E	IC-project 2		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	2	0	0	3	95
<a href="#">ETIN55</a>	7.5	A	V		5 - 15/16	4	X	E	Integrated A/D and D/A Converters		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					

## Specialisation is - Embedded Systems

Course Code	Credits	Cycle	Mand./ Elect.		Language			Course Name	Footnote	Links	sp4				
			Year	From year	S.Ex. stud.	F	O				L	H	S		
<a href="#">EDAA25</a>	3	G1	V	4 - 14/15	4	X	S	C Programming		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	14	0	0	0	70
<a href="#">EDAN65</a>	7.5	A	V	4 - 14/15	4	X	E1	Compilers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	0	12	0	160
<a href="#">EITF35</a>	7.5	G2	V	4 - 14/15	4	X	E	Introduction to Structured VLSI Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	10	0	28	0	162
<a href="#">EDA230</a>	7.5	A	V	4 - 14/15	4	X	S	Optimising Compilers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	12	4	0	140
<a href="#">EIEF01</a>	10	G2	V	4 - 14/15	4	X	E1	Applied Mechatronics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	30	10	30	8	60
<a href="#">FRTN01</a>	10	A	V	4 - 14/15	4	X	E1	Real-Time Systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	18	4	0	70
<a href="#">EITF20</a>	7.5	G2	V	4 - 14/15	4	X	E1	Computer Architecture		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FRT090</a>	7.5	A	V	4 - 14/15	4	X	E1	Project in Automatic Control		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">ETIN80</a>	7.5	A	V	4 - 14/15	4	X	E1	Algorithms in Signal Processors – Project Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EITN30</a>	7.5	A	V	4 - 14/15	4	-	S	Internet Inside		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FRTN01</a>	10	A	V	4 - 14/15	4	X	E1	Real-Time Systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDAN15</a>	7.5	A	V	4 - 14/15	4	X	E	Design of Embedded Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDAF35</a>	7.5	G2	V	4 - 14/15	4	X	S	Operating Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDAN25</a>	6	A	V	4 - 14/15	4	-	S	Multicore Programming	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	Course on hold				
<a href="#">EDA385</a>	7.5	A	V	5 - 15/16	4	X	E	Design of Embedded Systems, Advanced Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	14	0	14	0	164

[EDAN65](#) Compilers: Replaces [EDA180](#) Compiler Construction

[EDA230](#) Optimising Compilers: The course is offered every other academic year and will be given in 2014/15, 2016/17.

[FRTN01](#) Real-Time Systems: The course is offered two times during the academic year 14/15. From the academic year 15/16 the course is given only in the spring semester.

[EDAN25](#) Multicore Programming: The course is offered every other academic year and will next be offered in 2015/16.

## Specialisation ks - Communication Systems

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4				
												F	O	L	H	S
<a href="#">EITN50</a>	7.5	A	V		4 - 14/15	4	X	E	Advanced Computer Security	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	26	0	0	4	170
<a href="#">ETT051</a>	7.5	G2	V		4 - 14/15	4	X	E	Digital Communications		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	24	28	8	0	140
<a href="#">FMSF15</a>	7.5	G2	V		4 - 14/15	4	X	E1	Markov Processes		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	28	6	0	120
<a href="#">EITF05</a>	4	G2	V		4 - 14/15	4	-	S	Web Security		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	14	6	0	1	95
<a href="#">EITN41</a>	7.5	A	V		4 - 14/15	4	-	S	Advanced Web Security		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDIN01</a>	7.5	A	V		4 - 14/15	4	X	E1	Cryptography		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">ETT01</a>	7.5	A	V		4 - 14/15	4	X	E	Digital Communications, Advanced Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">ETSF10</a>	7.5	G2	V		4 - 14/15	4	X	E	Internet Protocols		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">ETSN01</a>	7.5	A	V		4 - 14/15	4	X	E	Advanced Telecommunication		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EMAN10</a>	7.5	A	V		4 - 14/15	4	X	E1	Algebraic Structures	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EITN30</a>	7.5	A	V		4 - 14/15	4	-	S	Internet Inside		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EITN45</a>	7.5	A	V		4 - 14/15	4	X	E1	Information Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>					
<a href="#">ETS061</a>	7.5	A	V		4 - 14/15	4	X	E1	Simulation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EITN21</a>	7.5	A	V		5 - 15/16	4	X	E	Project in Wireless Communications		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	8	0	8	4	80
<a href="#">EDI042</a>	7.5	A	V		5 - 15/16	4	X	E	Error Control Coding		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					

[EITN50](#) Advanced Computer Security: *Only one of the courses [EITN50](#) and [EIT015](#) may be included in a degree.*

[EMAN10](#) Algebraic Structures: *The date and time of the exam is announced by the course lecturer. The course is to be studied together with MATM11, which is given by the division for Mathematics of the Faculty of Science. Does not follow the study period structure.*

## Specialisation pv - Software

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4				
												F	O	L	H	S
<a href="#">EDAN55</a>	7.5	A	V		4 - 14/15	4	X	E	Advanced Algorithms		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	20	0	10	0	170
<a href="#">EDAA25</a>	3	G1	V		4 - 14/15	4	X	S	C Programming		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	14	0	0	0	70
<a href="#">EDAN65</a>	7.5	A	V		4 - 14/15	4	X	E1	Compilers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	0	12	0	160
<a href="#">EDAN20</a>	7.5	A	V		4 - 14/15	4	X	E	Language Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	20	0	12	0	160
<a href="#">EDA230</a>	7.5	A	V		4 - 14/15	4	X	S	Optimising Compilers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	12	4	0	140
<a href="#">EDAN40</a>	7.5	A	V		4 - 14/15	4	X	E	Functional Programming		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDAN70</a>	7.5	A	V		4 - 14/15	4	X	E1	Project in Computer Science		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDA132</a>	7.5	G2	V		4 - 14/15	4	X	E	Applied Artificial Intelligence		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDAN01</a>	7.5	A	V		4 - 14/15	4	X	E	Constraint Programming		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FMA240</a>	6	G2	V		4 - 14/15	4	X	E1	Linear and Combinatorial Optimization		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDA031</a>	7.5	G2	V		4 - 14/15	4	X	S	C++ Programming		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDA216</a>	7.5	G2	V		4 - 14/15	4	X	S	Database Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDAF15</a>	5	G2	V		4 - 14/15	4	-	S	Algorithm Implementation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FMAA15</a>	7.5	G1	V		4 - 14/15	4	-	S	Discrete Mathematics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDAN70</a>	7.5	A	V		4 - 14/15	4	X	E1	Project in Computer Science		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDAN25</a>	6	A	V		4 - 14/15	4	-	S	Multicore Programming	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	Course on hold				

[EDAN65](#) Compilers: Replaces [EDA180](#) Compiler Construction

[EDA230](#) Optimising Compilers: The course is offered every other academic year and will be given in 2014/15, 2016/17.

[EDAN25](#) Multicore Programming: The course is offered every other academic year and will next be offered in 2015/16.

## Specialisation se - Software Engineering



Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4				
												F	O	L	H	S
<a href="#">EITN50</a>	7.5	A	V		4 - 14/15	4	X	E	Advanced Computer Security	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	26	0	0	4	170
<a href="#">MAMN25</a>	7.5	A	V		4 - 14/15	4	-	S	Interaction Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	30	14	0	14	142
<a href="#">MIO012</a>	6	G1	V		4 - 14/15	4	-	S	Managerial Economics, Basic Course	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	50	12	3	1	94
<a href="#">ETS05</a>	7.5	A	V		4 - 14/15	4	-	S	Software Development for Large Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	10	8	4	36	142
<a href="#">FRTN01</a>	10	A	V		4 - 14/15	4	X	E1	Real-Time Systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	18	4	0	70
<a href="#">EDAN10</a>	7.5	A	V		4 - 14/15	4	X	E	Configuration Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">MIO012</a>	6	G1	V		4 - 14/15	4	-	S	Managerial Economics, Basic Course	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">ETS170</a>	7.5	A	V		4 - 14/15	4	X	S	Requirements Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDA270</a>	9	A	V		4 - 14/15	4	-	S	Coaching of Programming Teams		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDAN01</a>	7.5	A	V		4 - 14/15	4	X	E	Constraint Programming		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">ETS200</a>	7.5	A	V		4 - 14/15	4	X	E	Software Testing		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDA031</a>	7.5	G2	V		4 - 14/15	4	X	S	C++ Programming		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EDA216</a>	7.5	G2	V		4 - 14/15	4	X	S	Database Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FRTN01</a>	10	A	V		4 - 14/15	4	X	E1	Real-Time Systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">MIO022</a>	6	G2	V		4 - 14/15	4	-	S	Management Organization		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">MAM120</a>	7.5	G2	V		5 - 15/16	4	-	S	Usability Evaluation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	20	8	0	30	142

[EITN50](#) Advanced Computer Security: *Only one of the courses [EITN50](#) and [EIT015](#) may be included in a degree.*

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

[FRTN01](#) Real-Time Systems: *The course is offered two times during the academic year 14/15. From the academic year 15/16 the course is given only in the spring semester.*

## Specialisation sssr - Systems, Signals and Control

Course Code	Credits	Cycle	Mand./ Elect.		Language			Course Name	Footnote	Links	sp4				
			Year	From year	S.Ex. stud.	F	O				L	H	S		
<a href="#">ETT051</a>	7.5	G2	V	4 - 14/15	4	X	E	Digital Communications		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	24	28	8	0	140
<a href="#">FRTN10</a>	7.5	A	V	4 - 14/15	4	X	E1	Multivariable Control		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	30	30	12	0	128
<a href="#">EITN55</a>	7.5	A	V	4 - 14/15	4	X	E1	Signal Separation - Independent Components		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	14	28	8	0	150
<a href="#">FMSF10</a>	7.5	G2	V	4 - 14/15	4	X	E1	Stationary Stochastic Processes	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	28	6	0	120
<a href="#">FMA120</a>	6	A	V	4 - 14/15	4	X	E1	Matrix Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	14	14	0	1	52
<a href="#">FRTN01</a>	10	A	V	4 - 14/15	4	X	E1	Real-Time Systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	18	4	0	70
<a href="#">FRT041</a>	7.5	A	V	4 - 14/15	4	X	E1	System Identification		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	14	14	0	70
<a href="#">ETT01</a>	7.5	A	V	4 - 14/15	4	X	E	Digital Communications, Advanced Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FMS051</a>	7.5	A	V	4 - 14/15	4	X	E1	Mathematical Statistics, Time Series Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EITN60</a>	7.5	A	V	4 - 14/15	4	X	E	Optimum and Adaptive Signal Processing		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FRT090</a>	7.5	A	V	4 - 14/15	4	X	E1	Project in Automatic Control		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">ETIN80</a>	7.5	A	V	4 - 14/15	4	X	E1	Algorithms in Signal Processors – Project Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FRTN15</a>	7.5	A	V	4 - 14/15	4	X	E1	Predictive Control		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FRTN01</a>	10	A	V	4 - 14/15	4	X	E1	Real-Time Systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">BMEN01</a>	7.5	A	V	4 - 14/15	4	X	E1	Biomedical Signal Processing		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">ETIF10</a>	7.5	G2	V	4 - 14/15	4	X	E1	Signal Processing - Design and Implementation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					

[FMSF10](#) Stationary Stochastic Processes: *Only one of the courses [FMS045](#) and [FMSF10](#) may be included in a degree.*

[FRTN01](#) Real-Time Systems: *The course is offered two times during the academic year 14/15. From the academic year 15/16 the course is given only in the spring semester.*

## Elective Courses - D

Course Code	Credits	Cycle	Language			S.Ex. stud.	Course Name	Footnote	Links	sp4				
			Year	From year						F	O	L	H	S
<a href="#">EXTA10</a>	3	G1	2 - 12/13	2	-	S	Introduction to Chinese Society, Culture and Language	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>	0	16	0	0	24
<a href="#">EXTA35</a>	15	G1	2 - 12/13	2	-	S	Introductory Course in Chinese for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>					
<a href="#">EXTF60</a>	15	G2	3 - 13/14	3	-	E	Introductory Course in Chinese for Engineers, Part 2	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	0	0	0	0	200
<a href="#">FMNN25</a>	7.5	A	4 - 14/15	4	X	E1	Advanced Course in Numerical Algorithms with Python/SciPy		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	14	0	3	155
<a href="#">MMKF15</a>	7.5	G2	4 - 14/15	4	X	E1	Applied Robotics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	22	8	120	0
<a href="#">ETIF05</a>	7.5	G2	4 - 14/15	4	X	E	Basic Wireless Communication Technique		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	18	18	12	0	150
<a href="#">FMI050</a>	7.5	A	4 - 14/15	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>	18	10	0	0	72
<a href="#">GEMA20</a>	7.5	G1	4 - 14/15	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>	30	0	0	0	30
<a href="#">FMIF15</a>	7.5	G2	4 - 14/15	4	-	S	Environmental Science		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	20	4	0	0	76
<a href="#">GEMA25</a>	7.5	G1	4 - 14/15	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>	0	40	0	0	60
<a href="#">EITA05</a>	4.5	G1	4 - 14/15	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>	14	0	0	0	40
<a href="#">GEMA60</a>	7.5	G1	4 - 14/15	1	-	S	Law for Engineers, Introductory Course in Business Law	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	25	0	0	0	75
<a href="#">FMAN15</a>	7.5	A	4 - 14/15	4	X	E	Nonlinear Dynamical Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	18	6	0	0	76
<a href="#">EIE061</a>	7.5	A	4 - 14/15	4	X	E1	Project in Industrial Electrical Engineering and Automation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	0	0	0	21	88
<a href="#">TNX097</a>	7.5	G2	4 - 14/15	4	-	S	Rehabilitation Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	14	14	4	4	44
<a href="#">MAM032</a>	7.5	A	4 - 14/15	4	-	S	Working Environment, Project		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	0	0	0	20	60
<a href="#">GEMA70</a>	15	G1	4 - 14/15	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>	0	20	0	0	90
<a href="#">FMAN30</a>	7.5	A	4 - 14/15	4	X	E1	Medical Image Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FRTN05</a>	7.5	A	4 - 14/15	4	X	E1	Non-Linear Control and Servo Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FMA051</a>	6	A	4 - 14/15	4	X	E1	Optimization		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FMNN05</a>	7.5	A	4 - 14/15	4	X	E1	Simulation Tools		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">MIE080</a>	7.5	G2	4 - 14/15	4	X	E1	Automation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">ETIN10</a>	7.5	A	4 - 14/15	4	X	E	Channel Modelling for Wireless Communication		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FRT130</a>	3	G2	4 - 14/15	4	-	S	Control Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">MIO040</a>	6	G2	4 - 14/15	4	-	S	Managerial Economics, Advanced Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">MIOA01</a>	9	G1	4 - 14/15	4	-	S	Managerial Economics, Basic Course	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FMA111</a>	6	A	4 - 14/15	4	-	S	Mathematical Structures		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					

Course Code	Credits	Cycle	Language			S.Ex. stud.	Course Name	Footnote	Links	
			Year	From year						
<a href="#">FMS091</a>	7.5	A	4 - 14/15	4	X	E1	Monte Carlo and Empirical Methods for Stochastic Inference		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">ETIA10</a>	7.5	G1	4 - 14/15	4	X	E	Patent and Intellectual Property Rights		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">MMKN30</a>	7.5	A	4 - 14/15	4	X	E1	Service Robotics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">TEK280</a>	7.5	G2	4 - 14/15	4	-	S	Technology Supported Communication		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">MAMF15</a>	6	G2	4 - 14/15	4	-	S	Work Organization and Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">FMA021</a>	7.5	A	4 - 14/15	4	-	S	Applied Mathematics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">FMAN25</a>	7.5	A	4 - 14/15	4	X	E1	Calculus of Variations		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">GEMA65</a>	7.5	G1	4 - 14/15	1	-	S	Chinese for Engineers	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>	
<a href="#">FMI040</a>	7.5	A	4 - 14/15	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>	
<a href="#">GEMA20</a>	7.5	G1	4 - 14/15	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>	
<a href="#">GEMA40</a>	7.5	G1	4 - 14/15	1	-	S	Entrepreneurship and Business Development	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">GEMA01</a>	7.5	G1	4 - 14/15	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>	
<a href="#">GEMA60</a>	7.5	G1	4 - 14/15	1	-	S	Law for Engineers, Introductory Course in Business Law	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">EIEN01</a>	10	A	4 - 14/15	4	X	E1	Mechatronics, Industrial Product Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">EIE061</a>	7.5	A	4 - 14/15	4	X	E1	Project in Industrial Electrical Engineering and Automation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">TNX153</a>	7.5	G2	4 - 14/15	4	-	S	Rehabilitation Engineering and Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">MAM032</a>	7.5	A	4 - 14/15	4	-	S	Working Environment, Project		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">MIE090</a>	7.5	A	4 - 14/15	4	X	E1	Automation for Complex Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">FMS072</a>	7.5	G2	4 - 14/15	4	X	E1	Design of Experiments		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">KII010</a>	7.5	G2	4 - 14/15	4	-	E1	Industrial Environmental Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">FMSN30</a>	7.5	A	4 - 14/15	4	X	E1	Linear and Logistic Regression		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">MIO040</a>	6	G2	4 - 14/15	4	-	S	Managerial Economics, Advanced Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">FAF150</a>	7.5	A	4 - 14/15	4	X	E	Medical Optics	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">EEMN01</a>	7.5	A	4 - 14/15	4	X	E1	Micro Sensors	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">FRTN30</a>	7.5	A	4 - 14/15	4	X	E	Network Dynamics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>	
<a href="#">EDA095</a>	7.5	G2	4 - 14/15	4	-	S	Network Programming		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">ESS030</a>	4.5	G2	4 - 14/15	4	-	S	Physics of Devices		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	
<a href="#">FMAN35</a>	3	A	4 - 14/15	4	-	E1	Project in Mathematics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	

F O L H S

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4				
										F	O	L	H	S
<a href="#">EITN15</a>	7.5	A	4 - 14/15	4	X	E	Radio Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FMS155</a>	7.5	A	4 - 14/15	4	X	E1	Statistical Modelling of Extreme Values		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">FMSN35</a>	7.5	A	4 - 14/15	4	X	E1	Stationary and Non-stationary Spectral Analysis	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	Course on hold				
<a href="#">GEMA55</a>	6	G1	4 - 14/15	1	-	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>	Course on hold				
<a href="#">GEMA45</a>	3	G1	4 - 14/15	1	-	S	Teaching and Learning	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	Course on hold				
<a href="#">EITN35</a>	7.5	A	5 - 15/16	4	X	E1	Advanced Course in Electrical and Information Technology	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	0	0	0	0	200
<a href="#">ETT15</a>	7.5	A	5 - 15/16	4	X	E	Modern Wireless Systems - LTE and Beyond		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	14	0	8	150
<a href="#">EITN10</a>	7.5	A	5 - 15/16	4	X	E	Multiple Antenna Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	26	14	0	0	162
<a href="#">EEM031</a>	7.5	G2	5 - 15/16	4	-	S	Transducer Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	42	0	12	0	146
<a href="#">EITN35</a>	7.5	A	5 - 15/16	4	X	E1	Advanced Course in Electrical and Information Technology	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EEMF05</a>	7.5	G2	5 - 15/16	4	-	S	Biomedical Measurements	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EEMN10</a>	7.5	A	5 - 15/16	4	X	S	Computerised Measurement Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EEMN05</a>	7.5	A	5 - 15/16	4	X	E1	EMC, Noise and Noise Reduction		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EITN35</a>	7.5	A	5 - 15/16	4	X	E1	Advanced Course in Electrical and Information Technology	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EEMN15</a>	7.5	A	5 - 15/16	4	X	S	Ultrasound Physics and Technology	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">EITN35</a>	7.5	A	5 - 15/16	4	X	E1	Advanced Course in Electrical and Information Technology	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					
<a href="#">MAMN10</a>	7.5	A	5 - 15/16	4	-	S	Interaction 1: Neuro modelling, Cognitive Robotics and Agents	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	Course on hold				
<a href="#">MAMN15</a>	7.5	A	5 - 15/16	4	-	S	Interaction 2: Virtuality and Cognitive Modelling	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	Course on hold				

[EXTA10](#) Introduction to Chinese Society, Culture and Language: *Compulsory for students admitted to the China specialisation.*

[EXTA35](#) Introductory Course in Chinese for Engineers: *Compulsory for students admitted to the China specialisation.*

[EXTF60](#) Introductory Course in Chinese for Engineers, Part 2: *Compulsory for students admitted to the China specialisation. The course is given in China.*

[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.*

[GEMA60](#) Law for Engineers, Introductory Course in Business Law: *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.*

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

[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.*

[GEMA40](#) Entrepreneurship and Business Development: *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.*

[FAF150](#) Medical Optics: *Examination for higher grade after agreement with the course coordinator.*

[EEMN01](#) Micro Sensors: *Re-examination set by agreement*

[FMSN35](#) Stationary and Non-stationary Spectral Analysis: *The course is offered every other academic year and will next be offered in 2015/16.*

[GEMA55](#) Medicine for Engineers: *The course is offered every other academic year and will next be offered in 2015/16. 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.*

[GEMA45](#) Teaching and Learning: *The course is offered every other academic year and will next be offered in 2015/16. 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.*

[EITN35](#) Advanced Course in Electrical and Information Technology: *The course starts only after agreement with the department. The course is not linked to any specific study period. The information on hours depends on the course running over a study period. Individual study plans are to be set up and approved.*

[EEMF05](#) Biomedical Measurements: *Reexam date to be set by agreement.*

[EEMN15](#) Ultrasound Physics and Technology: *Re-examination set by agreement.*

[MAMN10](#) Interaction 1: Neuro modelling, Cognitive Robotics and Agents: *The course is offered every other academic year and will be given in 2016/17.*

[MAMN15](#) Interaction 2: Virtuality and Cognitive Modelling: *The course is offered every other academic year and will be given in 2016/17.*

## Bachelor's Projects - D

The list contains the bachelor's projects that are included in the D programme. The list is not necessarily complete before the academic year 2016/17.

### Links

Course Code	Credits	Course Name	Links
EDAL01	15	Bachelor Project in Computer Science	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
EITL01	15	Bachelor Project in Electrical and Information Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
FMSL01	15	Bachelor Project in Mathematical Statistics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>

## Degree Projects - D

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

### Links

Course Code	Credits	Course Name	Links
FRT820	30	Degree Project in Automatic Control for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
EDA920	30	Degree Project in Computer Sciences for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
EITM01	30	Degree Project in Electrical and Information Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
EEM820	30	Degree Project in Electrical Measurements	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
EIE920	30	Degree Project in Industrial Electrical Engineering and Automation	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
MAMM01	30	Degree Project in Interaction Design	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
FMS820	30	Degree Project in Mathematical Statistics for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
FMA820	30	Degree Project in Mathematics for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
FMN820	30	Degree Project in Numerical Analysis	<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>
MIO920	30	Degree Project in Production Management	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
TNS820	30	Degree Project in Rehabilitation Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>