

Computer Science and Engineering

Study Year 1, Academic Year 2007/08 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	07/08 sp4
EDA070	3	G1	-	S	Computer Introduction		KS KE U W	
EDAA05	8	G1	-	S	Computers in Systems		KS KE U W	
EXTA10	3	G1	-	S	Introduction to Chinese Society, Culture and Language	X	KS KE U	
EDA016	7.5	G1	-	S	Programming, First Course		KS KE U W	
FMAA01	15	G1	-	S	Calculus in One Variable		KS KE U W	
ETIA01	8	G1	-	S	Electronics		KS KE U W	1
EDAA01	7.5	G1	-	S	Programming - Second Course		KS KE U W	
FMA420	6	G1	-	S	Linear Algebra		KS KE U W	1
ETSA01	5	G1	-	S	Software Engineering Process - Methodology		KS KE U W	1

[EXTA10](#) Introduction to Chinese Society, Culture and Language: *Läses endast av antagna till Kinainriktningen*

Study Year 2, Academic Year 2008/09 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	08/09
								sp4
ETS052	4.5	G2	X	E2	Computer Communication	X	KS KE U W	
EIT020	9	G2	-	S	Design of Digital Circuits ∅ A Systems Approach		KS KE U W	
EDAF10	7.5	G2	-	S	Object-oriented Modeling and Discrete Structures		KS KE U W	
FMA430	6	G1	-	S	Calculus in Several Variables		KS KE U W	
EDA260	6	G2	-	S	Software Development in Teams ∅ Project		KS KE U W	
FMAF10	5	G2	-	S	Applied Mathematics - Linear systems	X	KS KE U W	
EIT070	6	G2	-	S	Computer Organization		KS KE U W	
EXTA35	15	G1	-	S	Introductory Course in Chinese for Engineers	X	KS KE U	1
EDAF05	5	G2	-	S	Algorithms, Data Structures and Complexity		KS KE U W	1
ETI265	7.5	G1	X	S	Signal Processing in Multimedia		KS KE U W	1
ETSA05	4	G1	-	S	Software Engineering Process - Soft Issues		KS KE U W	1

[ETS052](#) Computer Communication: *Är obligatorisk i åk 2 samt åk 3 under läsåret 08/09*

[FMAF10](#) Applied Mathematics - Linear systems: *Kan bytas mot kurserna [FMAF01](#) samt [FMAF05](#). Kontakta studievägledare för mer information. Kurserna [FMAF10](#) och [FMAF05](#) kan inte samtidigt ingå i examen.*

[EXTA35](#) Introductory Course in Chinese for Engineers: *Läses endast av antagna till Kinainriktningen*

Study Year 2, Academic Year 2008/09 (Elective Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	08/09 sp4
EMAF01	7	G2	-	S	Mathematics - Analytic Functions	X	KS KE U W	1
EMAF05	7	G2	-	S	Mathematics - Systems and Transforms	X	KS KE U W	

[EMAF01](#) Mathematics - Analytic Functions: *Kan tillsammans med [EMAF05](#) läsas i stället för [EMAF10](#). Kontakta programledare eller studievägledare för mer information. Ges också som valfri kurs i årskurs 4.*

[EMAF05](#) Mathematics - Systems and Transforms: *Kan tillsammans med [EMAF01](#) läsas i stället för [EMAF10](#). Kontakta programledare eller studievägledare för mer information. Endast en av kurserna [EMAF05](#) och [EMAF10](#) får ingå i examen.*

Study Year 3, Academic Year 2009/10 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	09/10 sp4
EXTF60	15	G2	-	E	Introductory Course in Chinese for Engineers, Part 2	X	KS KE U W	
ERT010	7.5	G2	-	E2	Automatic Control, Basic Course		KS KE U W	
EDA040	6	G2	X	E2	Concurrent Programming		KS KE U W	
FMS012	9	G2	-	S	Mathematical Statistics, Basic Course		KS KE U W	
TEK210	4.5	G1	-	S	Cognition		KS KE U W	
FAFF25	11	G2	-	S	Physics		KS KE U W	
EIT060	7.5	G1	X	S	Computer Security		KS KE U W	
FMN011	6	G2	X	E1	Numerical Analysis		KS KE U W	1
ETS075	4.5	G2	X	S	Queuing System		KS KE U W	1
ETSF01	4	G2	-	S	Software Engineering Process - Economy and Quality		KS KE U W	1

[EXTF60](#) Introductory Course in Chinese for Engineers, Part 2: *Endast för studenter på Kinainriktningen (där är den obligatorisk). Kursen ges i Kina.*

Specialisation bg - Images and Computer Graphics

Course Code	Credits	Cycle	Mand./ Elect.		Language				Course Name	Footnote	Links	sp4
			Year	From year	S.Ex. stud.							
EDA221	7.5	G2	V	4 - 10/11	3	X	E2	Computer Graphics		KS KE U W		
EMA170	6	A	V	4 - 10/11	3	X	E2	Image Analysis		KS KE U W		
FMN100	6	A	V	4 - 10/11	3	X	E1	Numerical Methods in CAGD		KS KE U W		
FMSF10	7.5	G2	V	4 - 10/11	3	X	E1	Stationary Stochastic Processes	X	KS KE U W		
MAMN01	7.5	A	V	4 - 10/11	3	X	E2	Advanced Interaction Design		KS KE U W		
EDAN35	7.5	A	V	4 - 10/11	4	X	E	High Performance Computer Graphics		KS KE U W		
FMA175	3	A	V	4 - 10/11	3	X	E1	Image Analysis, Project		KS KE U W		
FAFF20	7.5	G2	V	4 - 10/11	3	X	E	Multi-spectral Imaging		KS KE U W		
FMA135	6	G1	V	4 - 10/11	2	X	E2	Geometry		KS KE U W		
FMA270	6	A	V	4 - 10/11	3	X	E2	Computer Vision		KS KE U W		
FMA120	6	A	V	4 - 10/11	2	X	E1	Matrix Theory		KS KE U W		
MAM101	7.5	G2	V	4 - 10/11	3	-	S	Virtual Reality in Theory and Practice		KS KE U W		
FMA272	3	A	V	4 - 10/11	3	X	E1	Computer Vision, Project		KS KE U W		
EITF01	9	G2	V	4 - 10/11	3	X	E	Digital Pictures & Compression		KS KE U W		
EDAN30	7.5	A	V	4 - 10/11	4	X	E	Photo-realistic Computer Graphics		KS KE U W		
ETIF01	6	G2	V	4 - 10/11	3	X	E2	Signal Processing - Design and Implementation		KS KE U W		
FMN100	6	A	V	5 - 11/12	4	X	E1	Numerical Methods in CAGD		KS KE U W T		
FMSN20	7.5	A	V	5 - 11/12	4	X	E1	Spatial Statistics with Image Analysis		KS KE U W T		

[FMSF10](#) Stationary Stochastic Processes: *Endast en av kurserna [EMS045](#) och [FMSF10](#) får ingå i examen.*

Specialisation dpd - Design of Processors and Digital Systems

Course Code	Credits	Mand./ Elect.		Year	From year	S.Ex. stud.	Language		Course Name	Footnote	Links	
		Cycle										
EITF20	7.5	G2	V	4 - 10/11	3	X	E2		Computer Architecture		KS KE U W	
EDA385	7.5	A	V	4 - 10/11	3	X	E2		Design of Embedded Systems, Advanced Course		KS KE U W	
ETI130	6	A	V	4 - 10/11	3	X	E		Digital IC-design		KS KE U W	
EITF35	7.5	G2	V	4 - 10/11	3	X	E		Introduction to Structured VLSI Design		KS KE U W	
ESS050	9	G2	V	4 - 10/11	3	-	S		Electromagnetic Fields		KS KE U W	
ETI180	6	A	V	4 - 10/11	3	X	E		DSP-design		KS KE U W	
ETI220	6	A	V	4 - 10/11	3	X	E		Integrated A/D and D/A Converters		KS KE U W	
ESSF01	8	G2	V	4 - 10/11	3	-	S		Analogue Circuits		KS KE U W	
ETIN01	12	A	V	4 - 10/11	3	X	E		IC-project & Verification		KS KE U W	
ETI135	4.5	A	V	4 - 10/11	3	X	E		Advanced Digital IC Design		KS KE U W	
EITF40	7.5	G2	V	4 - 10/11	3	X	E1		Digital and Analogue Projects		KS KE U W	
ESSF10	5	G2	V	4 - 10/11	3	-	S		Electrical Measurements		KS KE U W	
ETIN05	6	A	V	4 - 10/11	4	X	E		Advanced AD/DA Converters		KS KE U W	
EDAN15	7.5	A	V	4 - 10/11	3	X	E2		Design of Embedded Systems		KS KE U W	
ESS030	4.5	G2	V	4 - 10/11	3	-	S		Physics of Devices		KS KE U W	
EDA385	7.5	A	V	5 - 11/12	4	X	E2		Design of Embedded Systems, Advanced Course		KS KE U W T	
EEM060	6	A	V	5 - 11/12	4	X	E2		EMC, Noise and Noise Reduction		KS KE U W T	

Specialisation is - Embedded Systems

Course Code	Credits	Mand./ Elect.		Year	From year	S.Ex. stud.	Language		Course Name	Footnote	Links	sp4
		Cycle										
EDA150	3	G1	V	4 - 10/11	3	X	S		C Programming		KS KE U W	
EITF20	7.5	G2	V	4 - 10/11	3	X	E2		Computer Architecture		KS KE U W	
EDA385	7.5	A	V	4 - 10/11	3	X	E2		Design of Embedded Systems, Advanced Course		KS KE U W	
EITF35	7.5	G2	V	4 - 10/11	3	X	E		Introduction to Structured VLSI Design		KS KE U W	
EDA230	7.5	A	V	4 - 10/11	3	X	S		Optimising Compilers		KS KE U W	
EIEF01	10	G2	V	4 - 10/11	4	X	E2		Applied Mechatronics		KS KE U W	
FRTN01	10	A	V	4 - 10/11	3	X	E1		Real-Time Systems		KS KE U W	
ETI121	6	A	V	4 - 10/11	3	X	E2		Algorithms in Signal Processors ☒ Project Course		KS KE U W	
EITF40	7.5	G2	V	4 - 10/11	3	X	E1		Digital and Analogue Projects		KS KE U W	
EITN30	7.5	A	V	4 - 10/11	3	-	S		Internet Inside		KS KE U W	
EDA180	7.5	G2	V	4 - 10/11	3	X	E2		Compiler Construction		KS KE U W	
EDAF15	5	G2	V	4 - 10/11	3	-	S		Algorithm Implementation		KS KE U W	
EDAN15	7.5	A	V	4 - 10/11	3	X	E2		Design of Embedded Systems		KS KE U W	
EDAN25	6	A	V	4 - 10/11	3	-	S		Multicore Programming		KS KE U W	
EDA050	4.5	G2	V	4 - 10/11	3	X	S		Operating Systems		KS KE U W	
EDAF01	3	G2	V	4 - 10/11	3	X	S		Operating Systems - Project		KS KE U W	
FRT090	7.5	A	V	4 - 10/11	3	X	E1		Project in Automatic Control		KS KE U W	
EDA385	7.5	A	V	5 - 11/12	4	X	E2		Design of Embedded Systems, Advanced Course		KS KE U W T	

Specialisation ks - Communication Systems

Course Code	Credits	Mand./ Elect.		Year	From year	S.Ex. stud.	Language		Course Name	Footnote	Links	
		Cycle										sp4
ETT051	7.5	G2	V	4 - 10/11	3	X	E2		Digital Communications		KS KE U W	
EIT010	7.5	A	V	4 - 10/11	3	X	E		Digital Transmission Engineering		KS KE U W	
EDI042	7.5	A	V	4 - 10/11	3	X	S		Error Control Coding		KS KE U W	
FMS180	6	G2	V	4 - 10/11	4	-	S		Markov Processes		KS KE U W	
EIT015	7.5	G2	V	4 - 10/11	3	X	E2		Secure Systems and Applications		KS KE U W	
EITF05	4	G2	V	4 - 10/11	3	-	S		Web Security		KS KE U W	
EDI051	7.5	G2	V	4 - 10/11	3	X	S		Cryptography		KS KE U W	
ETTNO1	7.5	A	V	4 - 10/11	3	X	E2		Digital Communications, Advanced Course		KS KE U W	
ETSF10	7.5	G2	V	4 - 10/11	3	X	E2		Internet Protocol		KS KE U W	
ETSN01	7.5	A	V	4 - 10/11	3	X	E		Advanced Telecommunication		KS KE U W	
EITN30	7.5	A	V	4 - 10/11	3	-	S		Internet Inside		KS KE U W	
EDI075	6	A	V	4 - 10/11	3	X	E1		Mathematical Cryptology		KS KE U W	
EITN01	7.5	A	V	4 - 10/11	3	X	E2		Web Intelligence and Information Retrieval		KS KE U W	
FMA190	6	A	V	4 - 10/11	3	X	E2		Algebra		KS KE U W	
EIT080	7.5	G2	V	4 - 10/11	3	X	E2		Information Theory		KS KE U W	
EDA095	7.5	G2	V	4 - 10/11	3	-	S		Network Programming		KS KE U W	
ETS061	7.5	A	V	4 - 10/11	3	X	E2		Simulation		KS KE U W	
EDI042	7.5	A	V	5 - 11/12	4	X	S		Error Control Coding		KS KE U W T	

Specialisation pv - Software

Course Code	Credits	Mand./ Elect.		Year	From year	S.Ex. stud.	Language		Course Name	Footnote	Links	sp4
		Cycle										
EDAN05	7.5	A	V	4 - 10/11	3	X	E		Algorithm Theory		KS KE U W	
EDAN20	7.5	A	V	4 - 10/11	3	X	E2		Language Technology		KS KE U W	
EDA230	7.5	A	V	4 - 10/11	3	X	S		Optimising Compilers		KS KE U W	
ETS032	7.5	G2	V	4 - 10/11	3	-	S		Software Development for Large Systems		KS KE U W	
FRTN01	10	A	V	4 - 10/11	3	X	E1		Real-Time Systems		KS KE U W	
EDAN10	7.5	A	V	4 - 10/11	3	X	E2		Configuration Management		KS KE U W	
EDAN40	7.5	A	V	4 - 10/11	3	X	E2		Functional Programming		KS KE U W	
ETS170	7.5	A	V	4 - 10/11	3	X	S		Requirements Engineering		KS KE U W	
EDA270	9	A	V	4 - 10/11	3	-	S		Coaching of Programming Teams		KS KE U W	
EDAN01	7.5	A	V	4 - 10/11	3	X	E2		Constraint Programming		KS KE U W	
EDA216	7.5	G2	V	4 - 10/11	3	X	S		Database Technology		KS KE U W	
FMA240	6	G2	V	4 - 10/11	3	X	E2		Linear and Combinatorial Optimization		KS KE U W	
ETS200	7.5	A	V	4 - 10/11	3	X	E1		Software Testing		KS KE U W	
EDA132	7.5	G2	V	4 - 10/11	3	X	E2		Applied Artificial Intelligence		KS KE U W	
EDA031	7.5	G2	V	4 - 10/11	3	X	S		C++ Programming		KS KE U W	
EDA180	7.5	G2	V	4 - 10/11	3	X	E2		Compiler Construction		KS KE U W	
EDAN25	6	A	V	4 - 10/11	3	-	S		Multicore Programming		KS KE U W	
EDA145	7.5	A	V	4 - 10/11	3	X	E2		Programming Language Theory		KS KE U W	

Specialisation ssr - Systems, Signals and Control

Course Code	Credits	Mand./ Elect.		Year	From year	S.Ex. stud.	Language		Course Name	Footnote	Links	sp4
		Cycle										
ETT051	7.5	G2	V	4 - 10/11	3	X	E2		Digital Communications		KS KE U W	
FRTN10	7.5	A	V	4 - 10/11	3	X	E1		Multivariable Control		KS KE U W	
ETT074	6	A	V	4 - 10/11	3	X	S		Optimum Signal Processing		KS KE U W	
FMSF10	7.5	G2	V	4 - 10/11	2	X	E1		Stationary Stochastic Processes	X	KS KE U W	
FRTN15	7.5	A	V	4 - 10/11	3	X	E1		Predictive Control		KS KE U W	
FRTN01	10	A	V	4 - 10/11	3	X	E1		Real-Time Systems		KS KE U W	
ETT042	6	A	V	4 - 10/11	3	X	E2		Adaptive Signal Processing		KS KE U W	
ETTNO1	7.5	A	V	4 - 10/11	3	X	E2		Digital Communications, Advanced Course		KS KE U W	
FMS051	7.5	A	V	4 - 10/11	2	X	E2		Mathematical Statistics, Time Series Analysis		KS KE U W	
ETI121	6	A	V	4 - 10/11	3	X	E2		Algorithms in Signal Processors ☒ Project Course		KS KE U W	
ESSF10	5	G2	V	4 - 10/11	3	-	S		Electrical Measurements		KS KE U W	
FMA120	6	A	V	4 - 10/11	2	X	E1		Matrix Theory		KS KE U W	
FRT041	7.5	A	V	4 - 10/11	3	X	E1		System Identification		KS KE U W	
ETI160	6	G2	V	4 - 10/11	3	X	E2		Biomedical Signal Processing		KS KE U W	
FRT090	7.5	A	V	4 - 10/11	3	X	E1		Project in Automatic Control		KS KE U W	
ETIF01	6	G2	V	4 - 10/11	3	X	E2		Signal Processing - Design and Implementation		KS KE U W	
EEM031	7.5	G2	V	5 - 11/12	4	-	S		Transducer Technology	X	KS KE U W T	
EEM040	6	G2	V	5 - 11/12	4	-	S		Biomedical Measurements	X	KS KE U W T	
EEM070	6	A	V	5 - 11/12	4	X	S		Computerised Measurement Systems	X	KS KE U W T	

[FMSF10](#) Stationary Stochastic Processes: *Endast en av kurserna [FMS045](#) och [FMSF10](#) får ingå i examen.*

[EEM031](#) Transducer Technology: *Omtentamen enligt överenskommelse.*

[EEM040](#) Biomedical Measurements: *Omtentamen enligt överenskommelse.*

[EEM070](#) Computerised Measurement Systems: *Omtentamen enligt överenskommelse.*

Elective Courses - D

Course Code	Credits	Cycle		From year	S.Ex. stud.	Language		Course Name	Footnote	Links	
		Year									
EDAN05	7.5	A	4 - 10/11	3	X	E		Algorithm Theory		KS KE U W	
EDA150	3	G1	4 - 10/11	1	X	S		C Programming		KS KE U W	
EITF20	7.5	G2	4 - 10/11	3	X	E2		Computer Architecture		KS KE U W	
EDA221	7.5	G2	4 - 10/11	3	X	E2		Computer Graphics		KS KE U W	
EDA385	7.5	A	4 - 10/11	3	X	E2		Design of Embedded Systems, Advanced Course		KS KE U W	
ETT051	7.5	G2	4 - 10/11	3	X	E2		Digital Communications		KS KE U W	
ETI130	6	A	4 - 10/11	3	X	E		Digital IC-design		KS KE U W	
EIT010	7.5	A	4 - 10/11	3	X	E		Digital Transmission Engineering		KS KE U W	
EDI042	7.5	A	4 - 10/11	3	X	S		Error Control Coding		KS KE U W	
FMA170	6	A	4 - 10/11	3	X	E2		Image Analysis		KS KE U W	
MAMN10	7.5	A	4 - 10/11	3	-	S		Interaction 1: Neuro modelling, Cognitive Robotics and Agents		KS KE U W	
EITF35	7.5	G2	4 - 10/11	3	X	E		Introduction to Structured VLSI Design		KS KE U W	
EDAN20	7.5	A	4 - 10/11	3	X	E2		Language Technology		KS KE U W	
MIO012	6	G1	4 - 10/11	3	-	S		Managerial Economics, Basic Course	X	KS KE U W	
FMS180	6	G2	4 - 10/11	2	-	S		Markov Processes		KS KE U W	
EITN10	7.5	A	4 - 10/11	4	X	E		Multiple Antenna Systems		KS KE U W	
FRTN10	7.5	A	4 - 10/11	3	X	E1		Multivariable Control		KS KE U W	
FMN100	6	A	4 - 10/11	3	X	E1		Numerical Methods in CAGD		KS KE U W	
EDA230	7.5	A	4 - 10/11	3	X	S		Optimising Compilers		KS KE U W	
ETT074	6	A	4 - 10/11	3	X	S		Optimum Signal Processing		KS KE U W	
ETI031	6	G2	4 - 10/11	3	X	E		Radio		KS KE U W	
EIT015	7.5	G2	4 - 10/11	3	X	E2		Secure Systems and Applications		KS KE U W	
FMNN05	7.5	A	4 - 10/11	3	X	E1		Simulation Tools		KS KE U W	
ETS032	7.5	G2	4 - 10/11	3	-	S		Software Development for Large Systems		KS KE U W	
FMSF10	7.5	G2	4 - 10/11	2	X	E1		Stationary Stochastic Processes	X	KS KE U W	
GEMA30	4.5	G1	4 - 10/11	1	-	S		Swedish for Engineers		KS KE U W	
MAM120	7.5	G2	4 - 10/11	3	-	S		Usability Evaluation		KS KE U W	
EITF05	4	G2	4 - 10/11	3	-	S		Web Security		KS KE U W	
IEEF01	10	G2	4 - 10/11	4	X	E2		Applied Mechatronics		KS KE U W	
ESS050	9	G2	4 - 10/11	3	-	S		Electromagnetic Fields		KS KE U W	
FMI050	7.5	A	4 - 10/11	3	-	S		Energy Systems Analysis: Energy, Environment and Natural Resources		KS KE U W	
GEMA20	7.5	G1	4 - 10/11	1	-	E		English for Engineers		KS KE U W	

Course Code	Credits	Cycle	Language				Course Name	Footnote	Links	sp4
			Year	From year	S.Ex. stud.					
FMIF15	7.5	G2	4 - 10/11	3	-	S	Environmental Science		KS KE U W	
FMA260	7.5	A	4 - 10/11	3	X	E2	Functional Analysis and Harmonic Analysis		KS KE U W	
GEMF05	7.5	G2	4 - 10/11	1	X	E	Gender in Science and Engineering		KS KE U	
GEMA25	7.5	G1	4 - 10/11	1	-	S	German for Engineers		KS KE U W	
GEMA50	4.5	G1	4 - 10/11	1	-	S	History of Technology		KS KE U W	
GEMA60	7.5	G1	4 - 10/11	1	-	S	Law for Engineers, Introductory Course in Business Law		KS KE U W	
FMA140	6	A	4 - 10/11	3	X	E2	Non-Linear Dynamical Systems		KS KE U W	
FMS110	7.5	A	4 - 10/11	3	X	E1	Non-Linear Time Series Analysis		KS KE U W	
FRTN15	7.5	A	4 - 10/11	3	X	E1	Predictive Control		KS KE U W	
EIE061	7.5	A	4 - 10/11	4	X	E1	Project in Industrial Electrical Engineering and Automation		KS KE U W	
FRTN01	10	A	4 - 10/11	3	X	E1	Real-Time Systems		KS KE U W	
TNX097	7.5	G2	4 - 10/11	3	-	S	Rehabilitation Engineering	X	KS KE U W	
GEMA75	7.5	G1	4 - 10/11	1	-	S	Spanish for Engineers: Spanish and Latin-American culture and society		KS KE U W	
MAM032	7.5	A	4 - 10/11	3	-	S	Working Environment, Project	X	KS KE U W	
GEMA70	15	G1	4 - 10/11	1	-	S	Japanese for Engineers		KS KE U W	
ETT042	6	A	4 - 10/11	3	X	E2	Adaptive Signal Processing		KS KE U W	
MAMN01	7.5	A	4 - 10/11	3	X	E2	Advanced Interaction Design		KS KE U W	
EDAN10	7.5	A	4 - 10/11	3	X	E2	Configuration Management		KS KE U W	
EDI051	7.5	G2	4 - 10/11	3	X	S	Cryptography		KS KE U W	
ETT01	7.5	A	4 - 10/11	3	X	E2	Digital Communications, Advanced Course		KS KE U W	
ETI180	6	A	4 - 10/11	3	X	E	DSP-design		KS KE U W	
FMS161	7.5	A	4 - 10/11	3	X	E1	Financial Statistics		KS KE U W	
EDAN40	7.5	A	4 - 10/11	3	X	E2	Functional Programming		KS KE U W	
EDAN35	7.5	A	4 - 10/11	4	X	E	High Performance Computer Graphics		KS KE U W	
FMA175	3	A	4 - 10/11	3	X	E1	Image Analysis, Project		KS KE U W	
ETI220	6	A	4 - 10/11	3	X	E	Integrated A/D and D/A Converters		KS KE U W	
MAMN15	7.5	A	4 - 10/11	3	-	S	Interaction 2: Virtuality and Cognitive Modelling		KS KE U W	
ETSF10	7.5	G2	4 - 10/11	3	X	E2	Internet Protocol		KS KE U W	
MIO012	6	G1	4 - 10/11	3	-	S	Managerial Economics, Basic Course	X	KS KE U W	
FMS051	7.5	A	4 - 10/11	2	X	E2	Mathematical Statistics, Time Series Analysis		KS KE U W	
FAFF20	7.5	G2	4 - 10/11	3	X	E	Multi-spectral Imaging		KS KE U W	

Course Code	Credits	Cycle		From year	S.Ex. stud.	Language		Course Name	Footnote	Links	
		Year									
FMA145	3	A	4 - 10/11	3	X	E1		Non-linear Dynamical Systems, Project		KS KE U W	
FMA051	6	A	4 - 10/11	3	X	E1		Optimization		KS KE U W	
ETS170	7.5	A	4 - 10/11	3	X	S		Requirements Engineering		KS KE U W	
EDA270	9	A	4 - 10/11	3	-	S		Coaching of Programming Teams		KS KE U W	
FMA135	6	G1	4 - 10/11	2	X	E2		Geometry		KS KE U W	
FMA250	7.5	A	4 - 10/11	3	X	E2		Partial Differential Equations with Distribution Theory		KS KE U W	
ESSF01	8	G2	4 - 10/11	3	-	S		Analogue Circuits		KS KE U W	
ETIN01	12	A	4 - 10/11	3	X	E		IC-project & Verification		KS KE U W	
ETI135	4.5	A	4 - 10/11	3	X	E		Advanced Digital IC Design		KS KE U W	
ETSN01	7.5	A	4 - 10/11	3	X	E		Advanced Telecommunication		KS KE U W	
ETI121	6	A	4 - 10/11	3	X	E2		Algorithms in Signal Processors ☒ Project Course		KS KE U W	
MIE080	7.5	G2	4 - 10/11	3	X	E1		Automation		KS KE U W	
ETIN10	7.5	A	4 - 10/11	3	X	E		Channel Modelling for Wireless Communication		KS KE U W	
FMA270	6	A	4 - 10/11	3	X	E2		Computer Vision		KS KE U W	
EDAN01	7.5	A	4 - 10/11	3	X	E2		Constraint Programming		KS KE U W	
FRT130	3	G2	4 - 10/11	3	-	E2		Control Theory		KS KE U W	
EDA216	7.5	G2	4 - 10/11	3	X	S		Database Technology		KS KE U W	
EITF40	7.5	G2	4 - 10/11	3	X	E1		Digital and Analogue Projects		KS KE U W	
ESSF10	5	G2	4 - 10/11	3	-	S		Electrical Measurements		KS KE U W	
ETI280	6	G1	4 - 10/11	3	X	S		Intellectual Property Right Management (IPR)		KS KE U W	
EITN30	7.5	A	4 - 10/11	3	-	S		Internet Inside		KS KE U W	
FMA240	6	G2	4 - 10/11	3	X	E2		Linear and Combinatorial Optimization		KS KE U W	
MIO040	6	G2	4 - 10/11	3	-	S		Managerial Economics, Advanced Course		KS KE U W	
MIOA01	9	G1	4 - 10/11	3	-	S		Managerial Economics, Basic Course		KS KE U W	
EDI075	6	A	4 - 10/11	3	X	E1		Mathematical Cryptology		KS KE U W	
FMA111	6	A	4 - 10/11	2	-	S		Mathematical Structures		KS KE U W	
FMS091	7.5	A	4 - 10/11	3	X	E2		Monte Carlo and Empirical Methods for Stochastic Inference		KS KE U W	
FRTN05	7.5	A	4 - 10/11	3	X	E1		Non-Linear Control and Servo Systems		KS KE U W	
ETS200	7.5	A	4 - 10/11	3	X	E1		Software Testing		KS KE U W	
EITN01	7.5	A	4 - 10/11	3	X	E2		Web Intelligence and Information Retrieval		KS KE U W	
MAM026	4.5	G1	4 - 10/11	3	-	S		Work Organization		KS KE U W	
FMA190	6	A	4 - 10/11	3	X	E2		Algebra		KS KE U W	

Course Code	Credits	Cycle		From year	S.Ex. stud.	Language		Course Name	Footnote	Links	
		Year									
EDA132	7.5	G2	4 - 10/11	2	X	E2		Applied Artificial Intelligence		KS KE U W	
EDA031	7.5	G2	4 - 10/11	3	X	S		C++ Programming		KS KE U W	
FMA200	6	A	4 - 10/11	3	X	E2		Calculus of Variations		KS KE U W	
GEMA65	7.5	G1	4 - 10/11	1	-	S		Chinese for Engineers		KS KE U	
EDA180	7.5	G2	4 - 10/11	3	X	E2		Compiler Construction		KS KE U W	
FMI040	7.5	A	4 - 10/11	3	-	S		Energy Systems Analysis: Renewable Sources of Energy		KS KE U W	
GEMA20	7.5	G1	4 - 10/11	1	-	E		English for Engineers		KS KE U W	
GEMA40	7.5	G1	4 - 10/11	1	-	S		Entrepreneurship and Business Development		KS KE U W	
GEMA01	7.5	G1	4 - 10/11	1	-	S		French for Engineers: Language, Culture and Society, First Course		KS KE U W	
GEMA60	7.5	G1	4 - 10/11	1	-	S		Law for Engineers, Introductory Course in Business Law		KS KE U W	
FMA120	6	A	4 - 10/11	2	X	E1		Matrix Theory		KS KE U W	
EIEN01	10	A	4 - 10/11	4	X	E2		Mechatronics, Industrial Product Design		KS KE U W	
GEMA55	6	G1	4 - 10/11	1	-	S		Medicine for Engineers		KS KE U W	
EIE061	7.5	A	4 - 10/11	4	X	E1		Project in Industrial Electrical Engineering and Automation		KS KE U W	
TNX153	7.5	G2	4 - 10/11	3	-	S		Rehabilitation Engineering and Design	X	KS KE U W	
FRT041	7.5	A	4 - 10/11	3	X	E1		System Identification		KS KE U W	
GEMA45	3	G1	4 - 10/11	1	-	S		Teaching and Learning		KS KE U W	
MAM101	7.5	G2	4 - 10/11	3	-	S		Virtual Reality in Theory and Practice		KS KE U W	
MAMF20	7.5	G2	4 - 10/11	3	-	S		Working Environment	X	KS KE U W	
MAM032	7.5	A	4 - 10/11	3	-	S		Working Environment, Project	X	KS KE U W	
ETIN05	6	A	4 - 10/11	4	X	E		Advanced AD/DA Converters		KS KE U W	
EDAF15	5	G2	4 - 10/11	3	-	S		Algorithm Implementation		KS KE U W	
MIE090	7.5	A	4 - 10/11	4	X	E1		Automation for Complex Systems		KS KE U W	
ETI160	6	G2	4 - 10/11	3	X	E2		Biomedical Signal Processing		KS KE U W	
FMA272	3	A	4 - 10/11	3	X	E1		Computer Vision, Project		KS KE U W	
EDAN15	7.5	A	4 - 10/11	3	X	E2		Design of Embedded Systems		KS KE U W	
FMS072	7.5	G2	4 - 10/11	3	X	E2		Design of Experiments		KS KE U W	
EITF01	9	G2	4 - 10/11	3	X	E		Digital Pictures & Compression		KS KE U W	
FMA091	6	G1	4 - 10/11	2	-	S		Discrete Mathematics		KS KE U W	
KII010	7.5	G2	4 - 10/11	3	-	E2		Industrial Environmental Management	X	KS KE U W	

Course Code	Credits	Cycle		Language			Course Name	Footnote	Links	
		Year	From year	S.Ex. stud.						
EIT080	7.5	G2	4 - 10/11	3	X	E2	Information Theory		KS KE U W	
MIO022	6	G2	4 - 10/11	3	-	S	Management Organization		KS KE U W	
MIO040	6	G2	4 - 10/11	3	-	S	Managerial Economics, Advanced Course		KS KE U W	
FMA125	3	A	4 - 10/11	2	-	E1	Matrix Theory, Project		KS KE U W	
FAF150	7.5	A	4 - 10/11	3	X	E	Medical Optics	X	KS KE U W	
EEMN01	7.5	A	4 - 10/11	3	X	E2	Micro Sensors	X	KS KE U W	
EDAN25	6	A	4 - 10/11	3	-	S	Multicore Programming		KS KE U W	
EDA095	7.5	G2	4 - 10/11	3	-	S	Network Programming		KS KE U W	
EIT140	7.5	A	4 - 10/11	3	X	E	OFDM for Broadband Communication		KS KE U W	
EDA050	4.5	G2	4 - 10/11	3	X	S	Operating Systems		KS KE U W	
EDAF01	3	G2	4 - 10/11	3	X	S	Operating Systems - Project		KS KE U W	
EDAN30	7.5	A	4 - 10/11	4	X	E	Photo-realistic Computer Graphics		KS KE U W	
ESS030	4.5	G2	4 - 10/11	3	-	S	Physics of Devices		KS KE U W	
ETT062	7.5	A	4 - 10/11	3	X	E2	Principles of Spread Spectrum Multiple Access Communications		KS KE U W	
EDA145	7.5	A	4 - 10/11	3	X	E2	Programming Language Theory		KS KE U W	
FRT090	7.5	A	4 - 10/11	3	X	E1	Project in Automatic Control		KS KE U W	
ETIN15	7.5	A	4 - 10/11	3	X	E	Radio Systems		KS KE U W	
ETIF01	6	G2	4 - 10/11	3	X	E2	Signal Processing - Design and Implementation		KS KE U W	
ETS061	7.5	A	4 - 10/11	3	X	E2	Simulation		KS KE U W	
FMS045	6	G2	4 - 10/11	2	-	S	Stationary Stochastic Processes	X	KS KE U W	
FMS047	3	A	4 - 10/11	3	-	S	Stationary Stochastic Processes, Project Work		KS KE U W	
FMS155	7.5	A	4 - 10/11	3	X	E2	Statistical Modelling of Extreme Values		KS KE U W	
EITN35	7.5	A	5 - 11/12	4	X	E2	Advanced Course in Electrical and Information Technology	X	KS KE U W T	
EDA385	7.5	A	5 - 11/12	4	X	E2	Design of Embedded Systems, Advanced Course		KS KE U W T	
EDI042	7.5	A	5 - 11/12	4	X	S	Error Control Coding		KS KE U W T	
EITN10	7.5	A	5 - 11/12	4	X	E	Multiple Antenna Systems		KS KE U W T	
EMN100	6	A	5 - 11/12	4	X	E1	Numerical Methods in CAGD		KS KE U W T	
FMSN20	7.5	A	5 - 11/12	4	X	E1	Spatial Statistics with Image Analysis		KS KE U W T	
EEM031	7.5	G2	5 - 11/12	4	-	S	Transducer Technology	X	KS KE U W T	
MAM120	7.5	G2	5 - 11/12	4	-	S	Usability Evaluation		KS KE U W T	
FMA260	7.5	A	5 - 11/12	4	X	E2	Functional Analysis and Harmonic Analysis		KS KE U W T	
FMS110	7.5	A	5 - 11/12	4	X	E1	Non-Linear Time Series Analysis		KS KE U W T	

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
EITN35	7.5	A	5 - 11/12	4	X	E2	Advanced Course in Electrical and Information Technology	X	KS KE U W T	
EEM040	6	G2	5 - 11/12	4	-	S	Biomedical Measurements	X	KS KE U W T	
EEM070	6	A	5 - 11/12	4	X	S	Computerised Measurement Systems	X	KS KE U W T	
EEM060	6	A	5 - 11/12	4	X	E2	EMC, Noise and Noise Reduction		KS KE U W T	
EITN35	7.5	A	5 - 11/12	4	X	E2	Advanced Course in Electrical and Information Technology	X	KS KE U W T	
EEM080	6	A	5 - 11/12	4	X	S	Ultrasound Physics and Technology	X	KS KE U W T	
EITN35	7.5	A	5 - 11/12	4	X	E2	Advanced Course in Electrical and Information Technology	X	KS KE U W T	

[MIO012](#) Managerial Economics, Basic Course: *Antingen [MIO012](#) eller [MIOA01](#) kan tillgodoräknas i examen, dock ej båda samtidigt.*

[FMSF10](#) Stationary Stochastic Processes: *Endast en av kurserna [FMS045](#) och [FMSF10](#) får ingå i examen.*

[TNX097](#) Rehabilitation Engineering: *Nätburen kurs med träffar. Se www.eat.lth.se*

[MAM032](#) Working Environment, Project: *Kursen startar i LP1 och LP3.*

[TNX153](#) Rehabilitation Engineering and Design: *Nätburen kurs. För information se <http://www.certec.lth.se/fk/>*

[MAMF20](#) Working Environment: *Tidigare MAM203.*

[KII010](#) Industrial Environmental Management: *Tentamen enligt överenskommelse.*

[FAF150](#) Medical Optics: *Tentamen (för högre betyg) enligt överenskommelse.*

[EEMN01](#) Micro Sensors: *Omtentamen enligt överenskommelse.*

[FMS045](#) Stationary Stochastic Processes: *Endast en av kurserna [FMS045](#) och [FMSF10](#) får ingå i examen.*

[EITN35](#) Advanced Course in Electrical and Information Technology: *Kursstart endast enligt överenskommelse med institutionen.*

[EEM031](#) Transducer Technology: *Omtentamen enligt överenskommelse.*

[EEM040](#) Biomedical Measurements: *Omtentamen enligt överenskommelse.*

[EEM070](#) Computerised Measurement Systems: *Omtentamen enligt överenskommelse.*

[EEM080](#) Ultrasound Physics and Technology: *Omtentamen enligt överenskommelse.*