Electrical and Information Technology

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	08/09 sp4
ETI063	6	A	E, F, MSOC, N	X	E	Analogue IC-design		KS KE U W	
ETS052	4.5	G2	D, E, F, I, N, Pi	X	E2	Computer Communication	X	KS KE U W	
ETT051	7.5	G2	C, D, E, F, MFOT, MWIR, Pi	X	E2	Digital Communications		KS KE U W	
ETI130	6	A	D, E, F, MNAV, MSOC, N, Pi	X	E	Digital IC-design		KS KE U W	
EIT010	7.5	A	C, D, E, MWIR	X	E	Digital Transmission Engineering		KS KE U W	
ETE071	6	A	E, F, MFOT, Pi	-	S	Electromagnetic Wave Propagation		KS KE U W	
EDI042	7.5	A	C, D, E, MFOT, MWIR, Pi	X	S	Error Control Coding		KS KE U W	
EIT120	7.5	G2	D, E, MSOC	X	E	Introduction to Structured VLSI Design		KS KE U W	
EITN10	7.5	A	C, D, E, MWIR	-	E2	Multiple Antenna Systems		KS KE U W	
ETT074	6	A	C, D, E, F, MWIR, Pi	X	S	Optimum Signal Processing		KS KE U W	
ETI031	6	G2	C, D, E, F, MFOT, MSOC, MWIR, N	X	E2	Radio		KS KE U W	
EIT015	7.5	G2	C, D, E	X	E2	Secure Systems and Applications		KS KE U W	
EITF05	4	G2	C, D, E	-	S	Web Security		KS KE U W	
ETS130	7.5	G1	C	-	S	Communication Systems		KS KE U W	
EIT090	9	G2	C, D, E, F, I, MSOC	X	E2	Computer Architecture		KS KE U W	
ETI125	4.5	G1	E, F, M, N	-	S	Consumer Electronics	X	KS KE U W	
ETS150	9	G2	C	X	E2	Data Communication		KS KE U W	
EIT020	9	G2	C, D, E, F, Pi	-	S	Design of Digital Circuits A Systems Approach		KS KE U W	
ESS050	9	G2	E	-	S	Electromagnetic Fields		KS KE U W	
GEMA50	4.5	G1	A, B, BI, C, D, E, F, I, ID, K, L, M, MD, N, Pi, RH, V, W	-	S	History of Technology		KS KE U W	
ETE110	16.5	G2	F	-	S	Modelling and Simulation in Field Theory		KS KE U W	
EITN20	6	A	E, MWIR	X	E	Project in Wireless Communication, Part 2		KS KE U W	
ESS010	15	G1	E	-	S	Electronics		KS KE U W	
ETT042	6	A	C, D, E, F, MWIR, Pi	X	E2	Adaptive Signal Processing		KS KE U W	
ETI085	6	A	C, D, E, MSOC, MWIR	X	E	Channel Modelling for Wireless Communication		KS KE U W	
ETI260	6	A	E, F, Pi	-	S	Computational Electromagnetics		KS KE U W	
EDI051	7.5	G2	C, D, E, F, MWIR, Pi, RH	X	S	Cryptography		KS KE U W	
ETI180	6	A	D, E, MSOC	X	E	DSP-design		KS KE U W	
ETE055	6	G2	Pi	-	S	Electromagnetic Field Theory		KS KE U W	
ETI220	6	A	D, E, MSOC	X	E	Integrated A/D and D/A Converters		KS KE U W	
ETI051	6	A	C, D, E, MSOC, MWIR	X	E	Radio Systems		KS KE U W	
ETT055	9	A	C, D, E, MFOT, MWIR	X	E2	Digital Communications, Advanced Course		KS KE U W	
ETI032	9	A	E, MSOC, MWIR, N	X	E2	Radio Electronics		KS KE U W	

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	08/09 sp4
EIT130	12	A	D, E, MSOC	X	E	VLSI Architecture		KS KE U W	
ESSF01	8	G2	D, E, N	-	S	Analogue Circuits		KS KE U W	1
ETIA01	8	G1	D	-	S	Electronics		KS KE U W	1
ETIN01	12	A	D, E, MSOC	X	E	IC-project & Verification		KS KE U W	1
ETI135	4.5	A	D, E, F, MNAV, MSOC, N, Pi	X	E	Advanced Digital IC Design		KS KE U W	
ETI121	6	A	C, D, E, MSOC	X	E2	Algorithms in Signal Processors ⊠ Project Course		KS KE U W	
EIT070	6	G2	C, D, E, F, I, Pi	-	S	Computer Organization	X	KS KE U W	
EIT060	7.5	G1	C, D, E, F, RH	X	S	Computer Security	X	KS KE U W	
EDI021	7.5	G2	D, E	X	S	Digital Systems, Project Laboratory	X	KS KE U W	
EDI021			D, E				X		1
ETI015	6	G2	E, MWIR	-	S	Electromagnetic Fields, Advanced Course		KS KE U W	
ETI250	6	G1	ID	X	E2	Electronics: Possibilities and Limitations		KS KE U W	
ETI170	6	A	E, F, MSOC	X	E	Integrated Radio Electronics		KS KE U W	
ETI280	6	G1	B, C, D, E, F, I, K, L, MSOC, MWIR, N, Pi	X	S	Intellectual Property Right Management (IPR)		KS KE U W	
EIT150	7.5	G2	C, D, E	-	S	Internet Inside		KS KE U W	
EDI075	6	A	C, D, E, Pi	X	E1	Mathematical Cryptology		KS KE U W	
ETS075	4.5	G2	C, D, E, N	X	S	Queuing System		KS KE U W	
EITN01	7.5	A	C, D	X	E2	Web Intelligence and Information Retrieval		KS KE U W	

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	08/09 sp4
ETS190	9	A	C, D, E, MWIR	X	E	Advanced Telecommunication		KS KE U W	1
ETI022	7.5	A	E	X	E1	Analogue Project		KS KE U W	1
EDI022	12	G2	D, E	X	S	Digital Systems, Project Laboratory, Extended Version		KS KE U W	1
ETI290	6	A	E, MSOC, N	X	E1	Advanced Analogue Design		KS KE U W	1
ETE100	6	A	E, F, MFOT, MWIR, Pi	X	E2	Antenna Technology	X	KS KE U W	1
ETI160	6	G2	C, D, E, F, Pi	X	E2	Biomedical Signal Processing		KS KE U W	1
EIT025	7.5	G2	D, E, MSOC, Pi	X	E	Computer Arithmetic		KS KE U W	1

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	08/09 sp4
EDT081	7.5	A	D, E, MSOC	X	E	Computer System Project		KS KE U W	1
EITF01	9	G2	C, D, E, F, Pi	X	E	Digital Pictures ⊠ Compression		KS KE U W	1
ETI270	6	G2	C, D, E, Pi	X	E2	Digital Signal Processing in Audio/Video		KS KE U W	1
ETE115	7.5	G2	F, N	-	S	Electromagnetics and Electronics	X	KS KE U W	1
ETE115			N				X		
EIT080	7.5	G2	C, D, E, MFOT, MWIR, Pi	-	S	Information Theory		KS KE U W	1
EIT100	7.5	G1	C	X	E2	Information Transmission		KS KE U W	1
ETS110	7.5	A	C, D, E, MWIR	X	E1	Internet Protocol		KS KE U W	1

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	08/09 sp4
EIT140	7.5	A	C, D, E, MSOC, MWIR	X	E	OFDM for Broadband Communication		KS KE U W	1
ETT062	7.5	A	C, D, E, MWIR	X	E2	Principles of Spread Spectrum Multiple Access Communications		KS KE U W	1
EITN15	3	A	E, MWIR	X	E	Project in Wireless Communication, Part 1		KS KE U W	1
ETI041	6	A	E, MSOC, MWIR	X	E2	Radio Project		KS KE U W	1
EITN05	7.5	A	C, D	X	E2	Semantic Web Programming		KS KE U W	1
ETI265	7.5	G1	C, D	X	S	Signal Processing in Multimedia		KS KE U W	1
ETS061	7.5	A	C, D, E, I, Pi	X	E2	Simulation		KS KE U W	1

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links		08/09 sp4
ETI200	4.5	A	D, E, F, MSOC	X	E	System-on-Chip Design		KS	KE U W	1

ETS052 (D) Computer Communication: *Är obligatorisk i åk 2 samt åk 3 under läsåret 08/09*
ETI125 (E) Consumer Electronics: *Får inte läsas av studenter som tillhör årskull 07/08 eller 08/09.*
EIT070 (I) Computer Organization: *Obligatorisk för I06 och tidigare.*
EIT060 (C) Computer Security: *Skall också ligga i obligatoriet i åk 3*
EDI021 (D) Digital Systems, Project Laboratory: *Kursen ges två gånger per läsår. EDI021 får ersättas med kursen EDI022 Digitala projekt, större kurs, i specialiseringen Design av processorer och digitala system*
EDI021 (E) Digital Systems, Project Laboratory: *Kursen ges två gånger per läsår.*
ETE100 (E, F) Antenna Technology: *Omtentamen efter överenskommelse.*
ETE115 (N) Electromagnetics and Electronics: *Kursen ges för åk2 i vt2 och åk3 i ht1.*

Degree Projects of the Department

The list contains the degree projects which are given by the department and which programme each degree project is included in.

				Links
Course Code	**Credits**	**Programme**	**Course Name**	
ETS921	30	C, D	Degree Project in Communication Systems for Engineers	U
EITM01	30	C, D, E, F, I, N, Pi	Degree Project in Electrical and Information Technology	U
ETI920	30	C, D, Pi	Degree Project in Electroscience	U
EIT820	30	C, D, Pi	Degree Project in Information Technology	U