

Electrical and Information Technology

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	16/17	16/17	16/17	16/17
				S.Ex. stud.					sp1	sp2	sp3	sp4
EITN50	7.5	A	C, D, E	X	E	Advanced Computer Security	X	KS KE U W T	1			
ETIF05	7.5	G2	C, D, E, F, MSOC, MWIR, N	X	E	Basic Wireless Communication Technique		KS KE U W T	1			
ETEF15	7.5	G2	IDA, IEA	-	S	Circuits and Measurements, Advanced Course		KS KE U W T	1			
ETS130	7.5	G1	C	-	S	Communication Systems		KS KE U W T	1			
ETS601	7.5	G2	IDA, IEA	-	S	Computer and Telecommunication		KS KE U W T	1			
ETT051	7.5	G2	BME, C, D, E, F, MWIR, Pi	X	E	Digital Communications		KS KE U W T	1			
ETIN20	7.5	A	D, E, E, MSOC, N, Pi	X	E	Digital IC-design		KS KE U W T	1			

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									sp1	sp2	sp3	sp4
ETIA06	4	G1	KID	X	E	Electrical Engineering: Possibilities and Limitations		KS KE U W T	1			
ETE055	6	G2	F	-	S	Electromagnetic Field Theory		KS KE U W T	1			
ETEF01	7	G2	Pi	-	S	Electromagnetic Field Theory		KS KE U W T	1			
ETEN05	7.5	A	E , F , Pi	X	E	Electromagnetic Wave Propagation		KS KE U W T	1			
EITE35	7.5	G2	D , E , MSOC	X	E	Introduction to Structured VLSI Design		KS KE U W T	1			
ETIN70	7.5	A	D , E , MSOC , N	X	E1	Modern Electronics		KS KE U W T	1			
ETTIN15	7.5	A	C , D , E , MSOC , MWIR	X	E	Modern Wireless Systems - LTE and Beyond		KS KE U W T	1			

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				S.Ex. stud.					16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4
EITN10	7.5	A	C, D, E, MWIR	X	E	Multiple Antenna Systems	KS KE U W T	1				
EITN55	7.5	A	BME, C, D, E, F, MWIR, Pi	X	E1	Signal Separation - Independent Components	KS KE U W T	1				
ESS040	6	G2	E, F	X	S	Systems and Signals	KS KE U W T	1				
EITF05	4	G2	BME, C, D, E	-	S	Web Security	KS KE U W T	1				
EDT632	6	G1	IDA	-	S	Computer Engineering Overview	KS KE U W T	1	2			
ETI125	4.5	G1	M	-	S	Consumer Electronics	KS KE U W T	1	2			
EIT020	9	G2	BME, C, D, E, F, Pi	-	S	Design of Digital Circuits – A Systems Approach	KS KE U W T	1	2			

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				S.Ex. stud.					sp1	sp2	sp3	sp4
ESS050	9	G2	D, E	X	E	Electromagnetic Fields		KS KE U W T	1	2		
ETIN40	7.5	A	D, E, MSOC	X	E	IC-project 2		KS KE U W T	1	2		
ETSF05	9	G2	C, E	-	E1	Internet Protocols	X	KS KE U W T	1	2		
EEIA01	6	G1	IEA	-	S	Introduction to Electrical Engineering		KS KE U W T	1	2		
EITN21	7.5	A	C, D, E, MWIR	X	E	Project in Wireless Communications		KS KE U W T	1	2		
ESS010	15	G1	E	-	S	Electronics		KS KE U W T	1	2	3	
EDI610	15	G1	IDA, IEA	-	S	Digital Systems		KS KE U W T	1	2	3	4

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				S.Ex. stud.				16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4	
EITN35	7.5	A	C, D, E, F, I, MWIR, N, Pi	X	E1	Advanced Course in Electrical and Information Technology	X	KS KE U W T	1			
EITN35			C, D, E, F, I, MWIR, N, Pi				X			2		
EITN35			C, D, E, F, I, MWIR, N, Pi				X				3	
EITN35			C, D, E, F, I, MWIR, N, Pi				X					4
EITN41	7.5	A	BME, C, D, E	-	S	Advanced Web Security		KS KE U W T		2		
ETIN25	7.5	A	E, F, MSOC, N	X	E	Analogue IC-design		KS KE U W T		2		
ETEN10	7.5	A	E, F, MWIR, N, Pi	X	E	Antenna Technology		KS KE U W T		2		

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								16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4
EITF20	7.5	G2	C, D, E, E, MSOC	X	E1	Computer Architecture	KS KE U W T		2		
EDT621	7.5	G2	IDA	-	S	Computer Architectures and Operating Systems	KS KE U W T		2		
EITF45	7.5	G2	D	-	S	Computer Communication	KS KE U W T		2		
EDIN01	7.5	A	C, D, E, E, MWIR, Pi	X	E1	Cryptography	KS KE U W T		2		
ETTNO1	7.5	A	C, D, E, MWIR	X	E	Digital Communications, Advanced Course	KS KE U W T		2		
EDI042	7.5	A	C, D, E, MWIR, Pi	X	E	Error Control Coding	KS KE U W T		2		
ETIN55	7.5	A	D, E, MSOC	X	E	Integrated A/D and D/A Converters	KS KE U W T		2		

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								16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4			
ETIN10	7.5	A	BME, C, D, E, MSOC, MWIR	X	E	Channel Modelling for Wireless Communication		KS	KE	U	W	T	3	
ETSF15	5	G2	E	-	S	Communication Systems and Networks		KS	KE	U	W	T	3	
EIT070	6	G2	C, D, E, E, I, Pi	-	S	Computer Organization		KS	KE	U	W	T	3	
EIT060	7.5	G1	BME, C, D, E, E, I	X	S	Computer Security		KS	KE	U	W	T	3	
EDA625	7.5	G2	IDA, IEA	-	S	Data Security		KS	KE	U	W	T	3	
EITF40	7.5	G2	C, D, E	X	E1	Digital and Analogue Projects		KS	KE	U	W	T	3	
ETIN45	7.5	A	D, E, MSOC	X	E	DSP-design		KS	KE	U	W	T	3	
FFF115	7.5	A	E, E, MSOC, N	X	E1	High Speed Devices	X	KS	KE	U	W	T	Course on hold	

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				S.Ex. stud.				16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4			
ETIN30	7.5	A	E, E, MSOC, N	X	E	Integrated Radio Electronics	X	KS	KE	U	W	T	3	
EITN30	7.5	A	C, D, E	-	S	Internet Inside		KS	KE	U	W	T	3	
EITN65	7.5	A	BME, N, Pi	X	E1	Measurement and Modeling of the Central Nervous System Function		KS	KE	U	T		3	
ETIA10	7.5	G1	B, BME, C, D, E, E, I, K, M, MSOC, MWIR, N, Pi	X	E	Patent and Intellectual Property Rights		KS	KE	U	W	T	3	
ETE604	7.5	G1	IDA, IEA	-	S	Circuits and Measurements		KS	KE	U	W	T	3	4
ETS302	6	G1	IDA, IEA	-	S	Computer Communication		KS	KE	U	W	T	3	4
EITE11	10	G2	I	-	S	Digital Systems, Project Laboratory	X	KS	KE	U	W	T	3	4

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								16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4
EITA05	4.5	G1	A, B, BI, BME, C, D, E, F, I, K, M, MD, N, Pi, RH, W	-	S	History of Technology	KS KE U W T			3	4
ETIN35	7.5	A	D, E, MSOC	X	E	IC-project 1	KS KE U W T			3	4
ETE115	7.5	G2	BME, E, N, Pi, W	-	S	Electromagnetics and Electronics	KS KE U W T				4
EITA10	5	G1	D	-	S	Electronics	KS KE U W T				4
EITN45	7.5	A	C, D, E, F, MWIR, Pi	X	E	Information Theory	KS KE U W T				4
EIT100	7.5	G1	C	-	S	Information Transmission	KS KE U W T				4
ETEN01	7.5	A	E, F	X	E1	Microwave Theory	KS KE U W T				4

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				S.Ex. stud.				16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4					
FFF160	7.5	A	E, E, MSOC, N	X	E1	Nanoelectronics		KS	KE	U	W	T				4
ETS075	4.5	G2	C, D, E	X	S	Queuing System		KS	KE	U	W	T				4
ETIN15	7.5	A	C, D, E, MSOC, MWIR	X	E	Radio Systems		KS	KE	U	W	T				4
EITF15	6	G2	Pi	-	S	Signal Processing - Theory and Applications		KS	KE	U	W	T				4
ETI265	7.5	G1	BME, C, E	X	S	Signal Processing in Multimedia	X	KS	KE	U	W	T				4
ETI265			D				X						Course on hold			
ETS061	7.5	A	C, D, E, I, Pi	X	E1	Simulation		KS	KE	U	W	T				4

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

[ETSF05](#) ([C](#)) Internet Protocols: *Only one of the courses [ETSF05](#) and [ETSF10](#) may be included in a degree.*

[EITN35](#) ([C, D, E, E, I, MWIR, N, Pi](#)) 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.

[EITF25](#) (I) Internet - Techniques and Applications: *Compulsory course in the elective blocks 'Systems and Software Development' for students admitted autumn 2014. The course is also an optional programme course.*

[ETSF10](#) (C) Internet Protocols: *Elective course only for students admitted to the programme 2008 and before, and that do not take [ETSE05](#) as a compulsory course.*

[FFF115](#) (E, F, MSOC, N) High Speed Devices: *The course is offered every other academic year and will next be offered in 2017/18.*

[ETIN30](#) (E, F, MSOC, N) Integrated Radio Electronics: *The course is offered every other academic year and will be given in 2016/17, 2018/19.*

[EITF11](#) (I) Digital Systems, Project Laboratory: *Compulsory course in the elective blocks 'Systems and Software Development' for students admitted autumn 2014. The course is also an optional programme course.*

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

[ETI265](#) (D) Signal Processing in Multimedia: *The course shall move from year 2 to year 3 and is not scheduled for the D programme in the academic year 2016/2017. Students admitted to the China specialisation takes this course in the autumn of year three, in China.*

Bachelor's Projects of the Department

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

Links

Course Code	Credits	Programme	Course Name	Links
EITL01	15	C , D , E , E , N	Bachelor Project in Electrical and Information Technology	KS KE U W

Degree Projects of the Department

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

Links

Course Code	Credits	Programme	Course Name	Links
EITL05	22.5	IDA , IEA	Degree Project in Electrical and Information Technology	KS KE U W
EITM01	30	BME , C , D , E , F , I , N , Pi	Degree Project in Electrical and Information Technology	KS KE U W
EITM02	30	MSOC , MWIR	Degree Project in Electrical and Information Technology	KS KE U W