

Electrical and Information Technology

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	17/18	17/18	17/18	17/18
				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			
EITF50	7.5	G2	C, D, E, F, MSOC, MWIR, N	X	E	An Introduction to Wireless Systems		KS KE U W T	1			
ETEF15	7.5	G2	IDA, IEA	-	S	Circuits and Measurements, Advanced Course		KS KE U W T	1			
EITA55	7.5	G1	C	-	S	Communication Systems		KS KE U W T	1			
EITG01	7.5	G2	IDA, IEA	-	S	Computer and Telecommunication		KS KE U W T	1			
EITG05	7.5	G2	BME, C, D, E, F, M, 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			
EITF85	6	G2	F	-	S	Electromagnetic Field Theory		KS KE U W T	1			
EETF01	7	G2	Pi	-	S	Electromagnetic Field Theory		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			
EITN10	7.5	A	C, D, E, MWIR	X	E	Multiple Antenna Systems		KS KE U W T	1			

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									sp1	sp2	sp3	sp4
EITN55	7.5	A	BME, C, D, E, F, MWIR, Pi	X	E1	Signal Separation - Independent Components		KS KE U W T	1			
EITF75	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			
EITF65	9	G2	BME, C, D, E, F, Pi	-	S	Design of Digital Circuits – A Systems Approach		KS KE U W T	1	2		
EITF80	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		

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									sp1	sp2	sp3	sp4
EITA20	6	G1	IDA	-	S	Introduction to Computer Engineering		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		
EITA35	15	G1	E	-	S	Electronics		KS KE U W T	1	2	3	
EITA15	15	G1	IDA, IEA	-	S	Digital Systems		KS KE U W T	1	2	3	4
EITN35	7.5	A	C, D, E, E, I, MWIR, N, Pi	X	E1	Advanced Course in Electrical and Information Technology	X	KS KE U W T	1			
EITN35			C, D, E, E, I, MWIR, N, Pi				X			2		

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				S.Ex. stud.				17/18 sp1	17/18 sp2	17/18 sp3	17/18 sp4	
EITN35			C, D, E, E, I, MWIR, N, Pi				X				3	
EITN35			C, D, E, E, 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	
EITN70	7.5	A	C, D, E, MWIR, Pi	X	E	Channel Coding for Reliable Communication		KS KE U W T			2	
EITE20	7.5	G2	C, D, E, E, MSOC	X	E1	Computer Architecture		KS KE U W T			2	

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								17/18 sp1	17/18 sp2	17/18 sp3	17/18 sp4
EITF60	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, F, 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		
ETIN55	7.5	A	D, E, MSOC	X	E	Integrated A/D and D/A Converters	KS KE U W T		2		
EITE25	6	G2	BME, E, I, Pi	-	S	Internet - Techniques and Applications	X KS KE U W T		2		
ETSE10	7.5	G2	C, D, MWIR	X	E1	Internet Protocols	X KS KE U W T		2		

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				S.Ex. stud.				17/18 sp1	17/18 sp2	17/18 sp3	17/18 sp4
ETIN50	7.5	A	E, E, MSOC, MWIR, N	X	E	RF Amplifier Design	KS KE U W T		2		
ESSF01	8	G2	E, N	-	S	Analogue Circuits	KS KE U W T		2	3	4
ETIN80	7.5	A	Pi	X	E1	Algorithms in Signal Processors – Project Course	KS KE U W T			3	
ETIN80			BME, C, D, E, MSOC, MWIR							3	
ETSF15	5	G2	E	-	S	Communication Systems and Networks	KS KE U W T			3	
EITF70	6	G2	C, D, E, E, I, Pi	-	S	Computer Organization	KS KE U W T			3	
EITA25	7.5	G1	BME, C, D, E, E, I	X	S	Computer Security	KS KE U W T			3	

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								17/18 sp1	17/18 sp2	17/18 sp3	17/18 sp4		
EITF55	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
EITP01	7.5	A	E, F, MSOC, N	X	E1	High Speed Devices	X	KS	KE	U	W	T	3
ETIN30	7.5	A	E, F, MSOC, N	X	E	Integrated Radio Electronics	X	KS	KE	U	W	T	Course on hold
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
ETSN10	7.5	A	C, D, E, I, MWIR	X	E	Network Architecture and Performance		KS	KE	U	W	T	3

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				S.Ex. stud.				17/18 sp1	17/18 sp2	17/18 sp3	17/18 sp4			
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	
EITN90	7.5	A	E , F , Pi	X	E	Radar and Remote Sensing		KS	KE	U	W	T	3	
EITN85	7.5	A	BME , C , D , E , MSOC , MWIR	X	E	Wireless Communication Channels		KS	KE	U	W	T	3	
EITA40	7.5	G1	IDA , IEA	-	S	Circuits and Measurements		KS	KE	U	W	T	3	4
EITA60	6	G1	IDA , IEA	-	S	Computer Communication		KS	KE	U	W	T	3	4
EITF11	10	G2	I	-	S	Digital Systems, Project Laboratory	X	KS	KE	U	W	T	3	4
EITA05	4.5	G1	A , B , BI , BME , C , D , E , E , K , N , Pi , W	-	S	History of Technology		KS	KE	U	W	T	3	4

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EITN35	7.5	A	D, E, MSOC	X	E	IC-project 1	KS KE U W T			3	4
EITN80	7.5	A	E, F	X	E1	Electrodynamics	KS KE U T				4
EITF90	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
EITA30	7.5	G1	C	-	S	Information Transmission	KS KE U W T				4
EITP05	7.5	A	E, E, MSOC, N	X	E1	Nanoelectronics	KS KE U W T				4

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EITF95	4.5	G2	C, D, E	X	S	Queuing System		KS	KE	U	W	T	4
EITF15	6	G2	Pi	-	S	Signal Processing - Theory and Applications		KS	KE	U	W	T	4
EITA50	7.5	G1	BME, C, D, E	X	S	Signal Processing in Multimedia	X	KS	KE	U	W	T	4
EITN95	7.5	A	C, D, E, I, M, Pi	X	E1	Simulation		KS	KE	U	W	T	4
EITN75	7.5	A	C, D, E, MSOC, MWIR	X	E	Wireless System Design Principles		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, 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 2015. 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 [ETSF05](#) as a compulsory course.*

[EITP01](#) (E, F, MSOC, N) High Speed Devices: *The course is offered every other academic year and will be given in 2017/18, 2019/20.*

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

[EITF11](#) (I) Digital Systems, Project Laboratory: *Compulsory course in the elective blocks 'Systems and Software Development' for students admitted autumn 2015. The course is also an optional programme course.*

[EITA50](#) (C, D, E) Signal Processing in Multimedia: *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 , F , N , Pi	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