

## Electrical and Information Technology

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	20/21 sp1				20/21 sp2				20/21 sp3				20/21 sp4			
				S.Ex. stud.					F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F
<a href="#">EITN50</a>	7.5	A	<a href="#">C, D, E</a>	X	E	Advanced Computer Security	X	<a href="#">KS KE U W T</a>	26	0	0	4	170											
<a href="#">EITF50</a>	7.5	G2	<a href="#">D, E, E, MSOC, MWIR, N</a>	X	E	An Introduction to Wireless Systems		<a href="#">KS KE U W T</a>	18	18	12	0	152											
<a href="#">ETEF15</a>	7.5	G2	<a href="#">IDA, IEA</a>	-	S	Circuits and Measurements, Advanced Course		<a href="#">KS KE U W T</a>	28	28	12	0	132											
<a href="#">EITA55</a>	7.5	G1	<a href="#">C</a>	-	S	Communication Systems		<a href="#">KS KE U W T</a>	20	10	12	5	153											
<a href="#">EITG01</a>	7.5	G2	<a href="#">IDA, IEA</a>	-	S	Computer and Telecommunication		<a href="#">KS KE U W T</a>	28	12	8	0	152											
<a href="#">EITG05</a>	7.5	G2	<a href="#">BME, C, D, E, E, M, MFOT, MWIR, Pi, MMSR</a>	X	E	Digital Communications		<a href="#">KS KE U W T</a>	24	28	4	0	144											
<a href="#">ETIN20</a>	7.5	A	<a href="#">D, E, E, MSOC, N</a>	X	E	Digital IC-design		<a href="#">KS KE U W T</a>	24	12	12	0	150											
<a href="#">ETIA06</a>	4	G1	<a href="#">KID</a>	X	E	Electrical Engineering: Possibilities and Limitations		<a href="#">KS KE U W T</a>	28	7	0	10	50											
<a href="#">EITF85</a>	6	G2	<a href="#">F</a>	-	S	Electromagnetic Field Theory		<a href="#">KS KE U W T</a>	28	28	0	0	100											
<a href="#">ETEF01</a>	7	G2	<a href="#">Pi</a>	-	S	Electromagnetic Field Theory		<a href="#">KS KE U W T</a>	34	32	0	0	110											
<a href="#">EITF35</a>	7.5	G2	<a href="#">D, E, MSOC</a>	X	E	Introduction to Structured VLSI Design		<a href="#">KS KE U W T</a>	28	0	48	0	124											
<a href="#">ETIN70</a>	7.5	A	<a href="#">E, MSOC, N</a>	X	E1	Modern Electronics		<a href="#">KS KE U W T</a>	28	14	8	0	150											
<a href="#">EITP30</a>	7.5	A	<a href="#">C, D, E, MSOC, MWIR</a>	X	E	Modern Wireless Systems - 5G and Beyond		<a href="#">KS KE U W T</a>	28	14	6	8	144											
<a href="#">EITN10</a>	7.5	A	<a href="#">C, D, E, MWIR</a>	X	E	Multiple Antenna Systems		<a href="#">KS KE U W T</a>	26	14	0	0	160											
<a href="#">EITF75</a>	6	G2	<a href="#">E, F</a>	X	E1	Systems and Signals		<a href="#">KS KE U W T</a>	28	28	8	0	96											
<a href="#">EITF05</a>	4	G2	<a href="#">BME, C, D, E</a>	-	S	Web Security		<a href="#">KS KE U W T</a>	14	6	0	3	84											
<a href="#">EITF65</a>	9	G2	<a href="#">BME, C, D, E, E, Pi</a>	-	S	Design of Digital Circuits - A Systems Approach		<a href="#">KS KE U W T</a>	28	28	12	0	71	10	14	12	0	63						
<a href="#">EITF80</a>	9	G2	<a href="#">D, E</a>	X	E	Electromagnetic Fields		<a href="#">KS KE U W T</a>	16	16	0	0	64	26	24	0	0	104						
<a href="#">ETIN40</a>	7.5	A	<a href="#">D, E, MSOC</a>	X	E	IC-project 2		<a href="#">KS KE U W T</a>	2	0	0	3	95	2	0	0	2	96						
<a href="#">ETSF05</a>	9	G2	<a href="#">C, E</a>	-	E1	Internet Protocols	X	<a href="#">KS KE U W T</a>	8	4	4	2	115	10	6	0	4	87						
<a href="#">EITA20</a>	6	G1	<a href="#">IDA</a>	-	S	Introduction to Computer Engineering		<a href="#">KS KE U W T</a>	10	14	16	0	40	10	10	20	0	40						
<a href="#">EEIA01</a>	6	G1	<a href="#">IEA</a>	-	S	Introduction to Electrical Engineering		<a href="#">KS KE U W T</a>	10	14	16	0	40	10	10	20	0	40						

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links		20/21 sp1				20/21 sp2				20/21 sp3				20/21 sp4										
				S.Ex. stud.								F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	
<a href="#">EITN21</a>	7.5	A	<a href="#">C, D, E, MWIR</a>	X	E	Project in Wireless Communication		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	10	0	0	12	78	4	0	0	24	72										
<a href="#">EITA35</a>	15	G1	<a href="#">E</a>	-	S	Electronics		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	42	28	8	0	100	22	14	12	0	75	4	6	4	10	75					
<a href="#">EITA15</a>	15	G1	<a href="#">IEA</a>	-	S	Digital Systems		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	20	14	12	0	54	4	10	12	0	74	12	8	16	0	84	2	0	20	0	58
<a href="#">EITA15</a>			<a href="#">IDA</a>										20	14	12	0	54	4	10	12	0	74	12	8	16	0	84	2	0	20	0	58
<a href="#">EITN35</a>	7.5	A	<a href="#">C, D, E, E, I, MFOT, MNAV, MWIR, N</a>	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="#">EITN35</a>			<a href="#">C, D, E, E, I, MFOT, MNAV, MWIR, N</a>				X											0	0	0	0	200										
<a href="#">EITN35</a>			<a href="#">C, D, E, E, I, MFOT, MNAV, MWIR, N</a>				X																0	0	0	0	200					
<a href="#">EITN35</a>			<a href="#">C, D, E, E, I, MFOT, MNAV, MWIR, N</a>				X																					0	0	0	0	200
<a href="#">EITN41</a>	7.5	A	<a href="#">BME, C, D, E</a>	-	S	Advanced Web Security		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>						14	0	0	2	184										
<a href="#">ETIN25</a>	7.5	A	<a href="#">E, E, MSOC, N</a>	X	E	Analogue IC-design		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>						22	14	12	0	152										
<a href="#">ETEN10</a>	7.5	A	<a href="#">E, E, MFOT, MWIR, N, Pi</a>	X	E	Antenna Technology		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>						28	14	6	0	152										
<a href="#">EITN70</a>	7.5	A	<a href="#">C, D, E, MWIR, MMSR</a>	X	E	Channel Coding for Reliable Communication		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>						28	14	0	2	156										
<a href="#">EITF20</a>	7.5	G2	<a href="#">C, D, E, E, MSOC</a>	X	E	Computer Architecture		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>						20	0	16	0	164										
<a href="#">EITF60</a>	7.5	G2	<a href="#">IDA</a>	-	S	Computer Architectures and Operating Systems		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>						18	2	12	1	167										
<a href="#">EITF45</a>	7.5	G2	<a href="#">BME, D, E, I, Pi</a>	-	S	Computer Communication	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>						18	16	8	2	156										

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	20/21	20/21	20/21	20/21													
				S.Ex. stud.					sp1	sp2	sp3	sp4													
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S		
<a href="#">EDIN01</a>	7.5	A	<a href="#">C, D, E, F, MWIR, Pi, MMSR</a>	X	E1	Cryptography		<a href="#">KS KE U W T</a>			36	14	0	2	148										
<a href="#">ETTN01</a>	7.5	A	<a href="#">C, D, E, MFOT, MWIR</a>	X	E	Digital Communications, Advanced Course		<a href="#">KS KE U W T</a>			20	24	4	5	147										
<a href="#">EITP10</a>	7.5	A	<a href="#">C, D, E, F, MFOT, MWIR</a>	X	E	High Performance Fiber Networks		<a href="#">KS KE U T</a>			20	14	0	0	166										
<a href="#">EITP01</a>	7.5	A	<a href="#">E, F, MNAV, MSOC, N</a>	X	E1	High Speed Devices		<a href="#">KS KE U W T</a>			32	10	8	0	150										
<a href="#">ETIN55</a>	7.5	A	<a href="#">E, MSOC</a>	X	E	Integrated A/D and D/A Converters		<a href="#">KS KE U W T</a>			24	2	12	0	162										
<a href="#">ETSF10</a>	7.5	G2	<a href="#">D, MWIR</a>	X	E1	Internet Protocols		<a href="#">KS KE U W T</a>			13	6	0	4	177										
<a href="#">ETIN50</a>	7.5	A	<a href="#">E, F, MSOC, MWIR, N</a>	X	E	RF Amplifier Design		<a href="#">KS KE U W T</a>			18	16	16	0	150										
<a href="#">ESSF01</a>	8	G2	<a href="#">E, N</a>	-	S	Analogue Circuits		<a href="#">KS KE U W T</a>			6	6	0	0	10	14	14	8	0	30	28	14	8	0	70
<a href="#">ETSF15</a>	5	G2	<a href="#">E</a>	-	S	Communication Systems and Networks		<a href="#">KS KE U W T</a>								14	10	12	0	97					
<a href="#">EITA60</a>	6	G1	<a href="#">IDA, IEA</a>	-	S	Computer Communication		<a href="#">KS KE U W T</a>								24	8	8	0	120					
<a href="#">EITF70</a>	6	G2	<a href="#">C, D, E, I, Pi</a>	-	S	Computer Organization		<a href="#">KS KE U W T</a>								14	8	16	0	122					
<a href="#">EITF70</a>			<a href="#">E</a>				X		Course on hold																
<a href="#">EITA25</a>	7.5	G1	<a href="#">BME, C, D, E, E, I</a>	X	S	Computer Security		<a href="#">KS KE U W T</a>								28	0	12	2	160					
<a href="#">EITF55</a>	7.5	G2	<a href="#">IDA, IEA</a>	-	S	Data Security		<a href="#">KS KE U W T</a>								24	2	10	2	162					
<a href="#">ETIN45</a>	7.5	A	<a href="#">D, E, MSOC</a>	X	E	DSP-design		<a href="#">KS KE U W T</a>								28	12	8	6	140					
<a href="#">ETIN30</a>	7.5	A	<a href="#">E, F, MSOC, N</a>	X	E	Integrated Radio Electronics	X	<a href="#">KS KE U W T</a>								12	0	0	32	150					
<a href="#">EITN30</a>	7.5	A	<a href="#">C, D, E</a>	-	S	Internet Inside		<a href="#">KS KE U W T</a>								10	0	28	2	160					
<a href="#">EITN65</a>	7.5	A	<a href="#">BME, N, Pi</a>	X	E1	Measurement and Modeling of the Central Nervous System Function		<a href="#">KS KE U W T</a>								24	0	0	6	170					
<a href="#">EITP05</a>	7.5	A	<a href="#">E, F, MNAV, MSOC, N</a>	X	E1	Nanoelectronics		<a href="#">KS KE U W T</a>								26	0	4	3	167					
<a href="#">ETSN10</a>	7.5	A	<a href="#">C, D, E, I, MWIR</a>	X	E	Network Architecture and Performance		<a href="#">KS KE U W T</a>								26	13	2	13	146					



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				S.Ex. stud.					sp1	sp2	sp3	sp4																	
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S						
<a href="#">EITN75</a>	7.5	A	<a href="#">C, D, E, MSOC, MWIR</a>	X	E	Wireless System Design Principles		<a href="#">KS KE U W T</a>																	28	14	4	0	154

[EITN50](#) (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) 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.*

[EITE45](#) (I) Computer Communication: *Compulsory course in the elective blocks 'Systems and Software Development'. The course is also an optional programme course.*

[EITE70](#) (E) Computer Organization: *The course switch place in the schedule and will next be offered VT22.*

[ETIN30](#) (E, E, MSOC, N) Integrated Radio Electronics: *The course is offered every other academic year and will be given in 2020/21, 2022/23.*

[EITE12](#) (I) Digital Systems, Project Laboratory: *Compulsory course in the elective blocks 'Systems and Software Development'. 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	<a href="#">C</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">N</a> , <a href="#">Pi</a>	Bachelor Project in Electrical and Information Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>

## 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	<a href="#">IDA</a> , <a href="#">IEA</a>	Degree Project in Electrical and Information Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
EITM01	30	<a href="#">BME</a> , <a href="#">C</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">I</a> , <a href="#">N</a> , <a href="#">Pi</a>	Degree Project in Electrical and Information Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
EITM02	30	<a href="#">MFOT</a> , <a href="#">MNAV</a> , <a href="#">MSOC</a> , <a href="#">MWIR</a> , <a href="#">MMSR</a>	Degree Project in Electrical and Information Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>