

Master Programme in System-on-Chip

Study Year 1 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	09/10 sp4
ETI063	6	A	X	E	Analogue IC-design		KS KE U W	
ETI130	6	A	X	E	Digital IC-design		KS KE U W	
EIT120	7.5	G2	X	E	Introduction to Structured VLSI Design		KS KE U W	
ETI220	6	A	X	E	Integrated A/D and D/A Converters		KS KE U W	
ETIN01	12	A	X	E	IC-project & Verification		KS KE U W	1
ETI280	6	G1	X	S	Intellectual Property Right Management (IPR)		KS KE U W	

Elective Courses - MSOC

Course Code	Credits	Cycle		From year	S.Ex. stud.	Language		Course Name	Footnote	Links	
		Year									sp4
EDA385	7.5	A	2	1	X	E2		Design of Embedded Systems, Advanced Course		KS KE U W	
FFF110	7.5	G2	2	1	X	E2		Processing and Device Technology		KS KE U W	
ETI031	6	G2	2	1	X	E		Radio		KS KE U W	
FFF021	7.5	A	2	1	X	E1		Semiconductor Physics		KS KE U W	
EIT090	9	G2	2	1	X	E2		Computer Architecture		KS KE U W	
ETI085	6	A	2	1	X	E		Channel Modelling for Wireless Communication		KS KE U W	
ETI180	6	A	2	1	X	E		DSP-design		KS KE U W	
FFF115	7.5	A	2	1	X	E1		High Speed Devices		KS KE U W	
FFF042	7.5	A	2	1	X	E2		The Physics of Low-dimensional Structures and Quantum Devices		KS KE U W	
ETI032	9	A	2	1	X	E2		Radio Electronics		KS KE U W	
ETI135	4.5	A	2	1	X	E		Advanced Digital IC Design		KS KE U W	
ETI121	6	A	2	1	X	E2		Algorithms in Signal Processors ☒ Project Course		KS KE U W	
ETI170	6	A	2	1	X	E		Integrated Radio Electronics		KS KE U W	
ETIN05	6	A	2	1	X	E		Advanced AD/DA Converters		KS KE U W	1
ETI290	6	A	2	1	X	E1		Advanced Analogue Design		KS KE U W	1
EEMN01	7.5	A	2	1	X	E2		Micro Sensors		KS KE U W	1
FFF160	7.5	A	2	1	X	E2		Nanoelectronics		KS KE U W	1

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
EIT140	7.5	A	2	1	X	E	OFDM for Broadband Communication		KS KE U W	1
ETI041	6	A	2	1	X	E2	Radio Project		KS KE U W	1
ETI051	6	A	2	1	X	E	Radio Systems		KS KE U W	1