

Computer Science

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	16/17	16/17	16/17	16/17
									sp1	sp2	sp3	sp4
EDAN55	7.5	A	D, E, E, Pi	X	E	Advanced Algorithms		KS KE U W T	1			
EDAA25	3	G1	BME, C, D, E, F, L, M, N, Pi	X	S	C Programming		KS KE U W T	1			
EDAN65	7.5	A	C, D, E, F, Pi	X	E1	Compilers	X	KS KE U W T	1			
EDA221	7.5	G2	C, D, E, F, L, Pi	X	E	Computer Graphics		KS KE U W T	1			
EDA070	3	G1	D	-	S	Computer Introduction		KS KE U W T	1			
EDA385	7.5	A	D, E, MSOC	X	E	Design of Embedded Systems, Advanced Course	X	KS KE U W T	Course on hold			
EDAN20	7.5	A	C, D, E, Pi	X	E	Language Technology		KS KE U W T	1			
EDAN26	7.5	A	D, E, Pi	-	S	Multicore Programming	X	KS KE U W T	Course on hold			
EDA061	4.5	G2	D, E, F, I, L	-	S	Object-oriented Modelling and Design	X	KS KE U W T	1			

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EDA061			C						X		Course on hold			
EDA230	7.5	A	D, E, Pi		X	S		Optimising Compilers	X	KS KE U W T	1			
EDAA20	7.5	G1	B, K, L		-	S		Programming and Databases		KS KE U W T	1			
EDA698	7.5	G2	IDA		-	S		Real-Time Systems		KS KE U W T	1			
ETSN05	7.5	A	BME, C, D, E, F, I, L, Pi		-	S		Software Development for Large Systems		KS KE U W T	1			
EDAA10	7.5	G1	IDA, IEA		-	S		Computer Programming in Java		KS KE U W T	1	2		
EDA040	6	G2	BME, C, D, E, F, M, Pi		X	E1		Concurrent Programming		KS KE U W T	1	2		
EDAA45	7.5	G1	D, W		-	S		Introduction to Programming		KS KE U W T	1	2		

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									sp1	sp2	sp3	sp4
EDAA01	7.5	G1	BME, C, E, E, N, W	-	S	Programming - Second Course		KS KE U W T	1	2		
EDAA01			D, I, L, M, Pi				X				3	
EDAA30	7.5	G1	IDA, IEA	-	S	Programming in Java - Second Course		KS KE U W T	1	2		
ETS672	7.5	G2	IDA	-	S	Requirements Engineering		KS KE U W T	1	2		
EDAN10	7.5	A	BME, C, D, E, E, I, Pi	X	E1	Configuration Management		KS KE U W T		2		
EDAN01	7.5	A	D, E, IDA, Pi	X	E	Constraint Programming		KS KE U W T		2		
EDAN35	7.5	A	C, D, E, E, L, Pi	X	E	High Performance Computer Graphics		KS KE U W T		2		

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									sp1	sp2	sp3	sp4
EDAF30	7.5	G2	IDA, IEA	-	S	Programming in C++	KS KE U W T		2			
EDAN70	7.5	A	C, D, E, F, Pi	X	E1	Project in Computer Science	KS KE U W T		2			
EDAN70			C, D, E, F, Pi									4
ETS170	7.5	A	C, D, E, F, I	X	S	Requirements Engineering	KS KE U W T		2			
EDA270	9	A	C, D, F	-	S	Coaching of Programming Teams	KS KE U W T		2	3		
EDA017	9	G1	C, E	-	S	Programming, First Course	KS KE U W T		2	3		
EDA017			I, Pi						2	3		

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				S.Ex. stud.				16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4	
EDA017			E							3	4	
EDAF45	7.5	G2	C, D, E, F, Pi	-	S	Software Development in Teams - Project	X	KS KE U W T		2	3	
EDA501	6	G1	M, MD	-	S	Programming, First Course	X	KS KE U W T		2	3	4
EDA501			B, K, W								3	4
EDA132	7.5	G2	BME, C, D, E, F, Pi	X	E	Applied Artificial Intelligence		KS KE U W T			3	
ETS200	7.5	A	C, D, E, F, I, Pi	X	E	Software Testing		KS KE U W T			3	
EDA031	7.5	G2	BME, C, D, E, F, Pi	X	S	C++ Programming		KS KE U W T			3	4

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								16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4
EDA216	7.5	G2	BME, C, D, E, F, I, L, Pi	X	S	Database Technology	KS KE U W T			3	4
EDAF20	7.5	G2	IDA, IEA	-	S	Database Technology	KS KE U W T			3	4
EDAA35	7	G1	D	-	S	Evaluation of Software Systems	KS KE U T			3	4
EDAF25	7.5	G2	IDA	-	S	Object-oriented Modelling and Design	KS KE U W T			3	4
EDA011	7.5	G1	BME, N	-	S	Programming, First Course	KS KE U W T			3	4
ETSF20	7.5	G2	IDA	-	S	Software Development for Large Projects	KS KE U W T			3	4
EDAF40	5	G2	D	X	E1	Functional Programming	X KS KE U W T				4

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EDAF15	5	G2	D, E, Pi	-	S	Algorithm Implementation	KS KE U W T				4
EDAF05	5	G2	D, E, F, Pi	X	E1	Algorithms, Data Structures and Complexity	KS KE U W T				4
EDAN15	7.5	A	D, E, M, MSOC, MWIR	X	E	Design of Embedded Systems	KS KE U W T				4
EDAA40	5	G1	D	X	E	Discrete Structures in Computer Science	KS KE U W T				4
EDAN40	7.5	A	BME, D, E, L, Pi	X	E	Functional Programming	X KS KE U W T				4
EDA095	7.5	G2	BME, D, E, L	-	S	Network Programming	KS KE U W T				4
EDA095			C				X	Course on hold			
EDAF35	7.5	G2	C, D, E, F, Pi	X	S	Operating Systems	KS KE U W T				4

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ETSA02	6	G1	C, I		-	S	Software Engineering - Methodology	X	KS	KE	U	W	T	4
ETSF01	4	G2	C, D		-	S	Software Engineering Process - Economy and Quality		KS	KE	U	W	T	4

[EDAN65](#) (D, E, Pi) Compilers: *Replaces [EDA180](#) Compiler Construction*

[EDA385](#) (D, E, MSOC) Design of Embedded Systems, Advanced Course: *The course is offered every other academic year and will next be given in 2017/18.*

[EDAN26](#) (D, E, Pi) Multicore Programming: *The course is offered every other academic year and will next be offered in 2017/18.*

[EDA061](#) (C) Object-oriented Modelling and Design: *The course shall move from year 2 to year 3 and is not scheduled for the C program in the academic year 2016/2017.*

[EDA061](#) (E) Object-oriented Modelling and Design: *Only one of the courses [EDA061](#) and [EDAF10](#) may be included in a degree.*

[EDA230](#) (D, E, Pi) Optimising Compilers: *The course is offered every other academic year and will be given in 2016/17, 2018/19.*

[EDAA01](#) (I) Programming - Second Course: *Compulsory course in the elective blocks 'Mathematical Modelling' and 'Systems and Software Development' for students admitted autumn 2014. The course is also an optional programme course.*

[EDAF45](#) (C) Software Development in Teams - Project: *Please note that the contents of the course are partly (1,5 credits) the same as in [ETSA02](#).*

[EDA501](#) (M, MD) Programming, First Course: *The course begins with a few lectures at the end of period 2, but the majority of the course is given in period 3 and 4.*

[EDAF40](#) (D) Functional Programming: *Can be replaced by [EDAN40](#).*

[EDAN40](#) (D) Functional Programming: *Part of the specialisation pv for students admitted autumn 2014 and earlier. Alternate compulsory with [EDAF40](#) for students admitted autumn 2015 and later.*

[EDA095](#) (C) Network Programming: *The course shall move from year 2 to year 3 and is not scheduled for the C programme in the academic year 2016/2017.*

[ETSA02](#) (I) Software Engineering - Methodology: *Compulsory course in the elective blocks 'Systems and Software Development' for students admitted autumn 2014. The course is also an optional programme course.*

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
EDAL01	15	C , D , E , F	Bachelor Project in Computer Science 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
EDA688	22.5	IDA	Degree Project in Computer Science	KS KE U
EDA920	30	BME , C , D , E , E , I , M , Pi	Degree Project in Computer Sciences for Engineers	KS KE U W