

Master of Science in Applied Physics and Electrical Engineering - International

Civilingenjörsprogram i teknisk fysik och elektroteknik internationell 300 credits

6CYYI

Valid from: 2022 Spring semester

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Board of Studies for Electrical Engineering, Physics and Mathematics

Date determined

2022-08-31

Revised by

Revision date

Registration number

LiU-2022-03348

Offered first time

Autumn semester 2007

Offered for the last time

Replaced by



Entry requirements

Degree in Swedish

Civilingenjör 300 hp och Teknologie master 120 hp

Degree in English

Master of Science in Engineering 300 credits and Master of Science 120 credits



Curriculum

Semester 1 (Autumn 2023)

Course name	Credits	Level	Timetable module	ECV
Foundation Course in Mathematics	6*	G1X	-	С
Linear Algebra	8*	G1X	1	С
Foundation Course in Mathematics	6*	G1X	4	С
Engineering Project	6*	G1X	4	С
German for Engineers I, part 1	2*	G1X	3	С
Switching Theory and Logical Design	4	G1X	2	С
Perspectives on Mathematics	1*	G1X	-	V
Linear Algebra	8*	G1X	4	С
Calculus in One Variable 1	6	G1X	2	С
Engineering Project	6*	G1X	3	С
German for Engineers I, part 1	2*	G1X	1	С
Perspectives on Mathematics	1*	G1X	-	V
	Foundation Course in Mathematics Linear Algebra Foundation Course in Mathematics Engineering Project German for Engineers I, part 1 Switching Theory and Logical Design Perspectives on Mathematics Linear Algebra Calculus in One Variable 1 Engineering Project German for Engineers I, part 1	Foundation Course in Mathematics 6* Linear Algebra 8* Foundation Course in Mathematics 6* Engineering Project 6* German for Engineers I, part 1 2* Switching Theory and Logical Design 4 Perspectives on Mathematics 1* Linear Algebra 8* Calculus in One Variable 1 6 Engineering Project 6* German for Engineers I, part 1 2*	Foundation Course in Mathematics 6* G1X Linear Algebra 8* G1X Foundation Course in Mathematics 6* G1X Engineering Project 6* G1X German for Engineers I, part 1 2* G1X Switching Theory and Logical Design 4 G1X Perspectives on Mathematics 1* G1X Linear Algebra 8* G1X Calculus in One Variable 1 6 G1X Engineering Project 6* G1X German for Engineers I, part 1 2* G1X	Foundation Course in Mathematics 6* G1X - Linear Algebra 8* G1X 1 Foundation Course in Mathematics 6* G1X 4 Engineering Project 6* G1X 4 German for Engineers I, part 1 2* G1X 3 Switching Theory and Logical Design 4 G1X 2 Perspectives on Mathematics 1* G1X - Linear Algebra 8* G1X 4 Calculus in One Variable 1 6 G1X 2 Engineering Project 6* G1X 3 German for Engineers I, part 1 2* G1X 1



Semester 2 (Spring 2024)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TATA42	Calculus in One Variable 2	6	G1F	1	С
TFYB04	Mechanics and fundamental physical concepts	8*	G1F	4	С
THTY22	German for Engineers I, part 2	6*	G1F	3	С
TSRT04	Introduction in Matlab	2	G1F	2	С
TBMT32	Perspectives on Biomedical Engineering	2*	G1N	3	E
TFFM12	Perspectives on Physics	2*	G1N	-	E
TATA40	Perspectives on Mathematics	1*	G1N	-	V
TGTU96	Sustainable study situation	2*	G1N	-	V
Period 2					
TATA43	Calculus in Several Variables	8	G1F	2	С
TFYB04	Mechanics and fundamental physical concepts	8*	G1F	4	С
THTY22	German for Engineers I, part 2	6*	G1F	1	С
TBMT32	Perspectives on Biomedical Engineering	2*	G1N	3	E
TFFM12	Perspectives on Physics	2*	G1N	-	E
TATA40	Perspectives on Mathematics	1*	G1N	-	V
TGTU96	Sustainable study situation	2*	G1N	-	V

Semester 3 (Autumn 2024)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TATA44	Vector Analysis	4	G1F	1	С
TFYA70	Electromagnetism - Theory and Application	6	G2F	3	С
THTY41	German for Engineers II, part 1	6*	G1N	4	С
TSTE05	Electronics and Measurement Technology	8*	G1F	2	С
Period 2					
TATA45	Complex Analysis	6	G2X	1	С
THTY41	German for Engineers II, part 1	6*	G1N	4	С
TSTE05	Electronics and Measurement Technology	8*	G1F	3	С



Semester 4 (Spring 2025)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TAOP07	Introduction to Optimization	6	G1F	2	С
TFYB08	Wave Physics	6	G2F	4	С
TSEA28	Computer Hardware and Architecture Y	6*	G1F	1	С
Period 2					
TATA57	Transform Theory	4	G1F	1	С
TFYA73	Modern Physics I	4	G2F	2	С
TFYB10	Electromagnetic Simulations	2	G2F	4	С
TSEA28	Computer Hardware and Architecture Y	6*	G1F	3	С
TPTE06	Industrial Placement	6	G2F	-	E

Semester 5 (Autumn 2025)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TAMS24	Statistics, First Course	4	G2F	4	С
TDDE71	Programming and Data Structures	8*	G2F	2	С
TFYA43	Nanotechnology	6	G2F	3	E
Period 2					
TDDE71	Programming and Data Structures	8*	G2F	2	С
TFYA12	Thermodynamics and Statistical Mechanics	6	G2F	4	С
TSDT18	Signals and Systems	6	G2F	3	С



Semester 6 (Spring 2026)

Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMME69	Mechanics, second course	4	G2X	3	С
TSRT12	Automatic Control	6	G2F	1	С
TFYA75	Applied Physics - Bachelor Project	16*	G2E	2	E
TSEA56	Electronics Engineering - Bachelor Project	16*	G2E	2	E
Period 2					
TAMS14	Probability, first course	4	G1F	4	С
TEAE01	Industrial Economics, Basic Course	6	G1F	2	C/E
TFYA74	Modern Physics II	4	G2F	1	E
TFYA75	Applied Physics - Bachelor Project	16*	G2E	-	Е
TSEA56	Electronics Engineering - Bachelor Project	16*	G2E	-	E
TSKS10	Signals, Information and Communication	4	G2F	3	E

Semester 7 (Autumn 2026)

Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
THTY18	German for Engineers III	6*	G2F	-	
TAMS32	Stochastic Processes	6	A1N	1	E
TAMS39	Multivariate Statistical Methods	6	A1N	4	E
TAMS43	Probability Theory and Bayesian Networks	6*	A1N	4	E
TAOP34	Large Scale Optimization	6	A1N	3	E
TATA34	Real Analysis, Honours Course	6*	G2F	4	E
TATA55	Abstract Algebra	6*	G2F	3	E
TATM85	Functional Analysis	6*	A1N	2	E
TBME04	Anatomy and Physiology	6	G2F	3	E
TBMI19	Medical Information Systems	6*	A1N	2	E
TDDC17	Artificial Intelligence	6	G2F	3	E
TDDD08	Logic Programming	6	A1N	4	E
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TDDD38 Advanced Programming in C++ 6* A1N 2 E TDTS06 Computer Networks 6 G2F 1 E TDTS08 Advanced Computer Architecture 6 A1N 2 E TFFM08 Experimental Physics 6* A1N 1 E TFFW44 Quantum Mechanics 6 A1N 2 E TFKE59 Fundamentals of Chemistry 6 G1N 2 E TFYA18 Mathematical Methods of Physics 6 A1N 3 E TFYA43 Nanotechnology 6 G2F 3 E TFYA43 Nanotechnology 6 A1N 4 E TFYA97 Modeling And Control of Enght Structures 6 A1N	Course code	Course name	Credits	Level	Timetable module	ECV
TDTS08 Advanced Computer Architecture 6 A1N 2 E TFFM08 Experimental Physics 6* A1N 1 E TFFW54 Quantum Mechanics 6 A1N 2 E TFKE59 Fundamentals of Chemistry 6 G1N 2 E TFKE59 Fundamentals of Chemistry 6 G1N 2 E TFYA18 Mathematical Methods of Physics 6 A1N 3 E TFYA43 Nanotechnology 6 G2F 3 E TFYA43 Nanotechnology 6 G2F 3 E TFYA88 Additive Manufacturing: Tools, Materials and Methods Methods TFYA97 Modern Optics 6 A1N 4 E TMHL03 Mechanics of Light Structures 6 A1N 4 E TMMV18 Fluid Mechanics 6 A1N 1 E TPPE17 Corporate Finance 6 G2F 4 E TSB806 Multidimensional Signal Analysis 6* A1N 2 E TSB808 Digital Image Processing 6 A1N 4 E TSDT14 Signal Theory 6 A1N 1 E TSFS09 Modelling and Control of Engines and Drivelines TSKS15 Detection and Estimation of Signals 6 A1N 4 E TSKS35 Information and Communications Engineering 6* A1N 3 E TSRT92 Modelling and Learning for Dynamical Systems 6 A1N 3 E TSTE12 Design of Digital Systems 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TDDD38	Advanced Programming in C++	6*	A1N	2	E
TFFM08 Experimental Physics 6* A1N 1 E TFFY54 Quantum Mechanics 6 A1N 2 E TFKE59 Fundamentals of Chemistry 6 G1N 2 E TFYA18 Mathematical Methods of Physics 6 A1N 3 E TFYA43 Nanotechnology 6 G2F 3 E TFYA488 Additive Manufacturing: Tools, Materials and Methods 6 A1N 3 E TFYA97 Modern Optics 6 A1N 4 E TMHL03 Mechanics of Light Structures 6 A1N 4 E TMMV18 Fluid Mechanics 6 A1N 1 E TPPE17 Corporate Finance 6 G2F 4 E TSB806 Multidimensional Signal Analysis 6* A1N 2 E TSB808 Digital Image Processing 6 A1N 4 E TSFS09 Modelling and Control of Engines and Dr	TDTS06	Computer Networks	6	G2F	1	E
TFFY54 Quantum Mechanics 6 A1N 2 E TFKE59 Fundamentals of Chemistry 6 G1N 2 E TFYA18 Mathematical Methods of Physics 6 A1N 3 E TFYA43 Nanotechnology 6 G2F 3 E TFYA88 Additive Manufacturing: Tools, Materials and Methods 6 A1N 3 E TFYA97 Modern Optics 6 A1N 4 E TMHL03 Mechanics of Light Structures 6 A1N 4 E TMMV18 Fluid Mechanics 6 A1N 1 E TPPE17 Corporate Finance 6 G2F 4 E TSBB06 Multidimensional Signal Analysis 6* A1N 2 E TSBB08 Digital Image Processing 6 A1N 4 E TSFS09 Modelling and Control of Engines and Drivelines 6* A1N 4 E TSKS15 Detection and	TDTS08	Advanced Computer Architecture	6	A1N	2	E
TFKE59 Fundamentals of Chemistry TFYA18 Mathematical Methods of Physics 6 A1N 3 E TFYA43 Nanotechnology 6 G2F 3 E TFYA88 Additive Manufacturing: Tools, Materials and Methods FTYA97 Modern Optics 6 A1N 4 E TMHL03 Mechanics of Light Structures 6 A1N 4 E TMMV18 Fluid Mechanics 6 A1N 1 E TPPE17 Corporate Finance 6 G2F 4 E TSBB06 Multidimensional Signal Analysis 6* A1N 2 E TSBB08 Digital Image Processing 6 A1N 1 E TSSDT14 Signal Theory 6 A1N 1 E TSFS09 Modelling and Control of Engines and Drivelines TSKS15 Detection and Estimation of Signals 6 A1N 4 E TSKS35 Information and Communications Engineering 6 A1N 3 E TSRT92 Modelling and Learning for Dynamical Systems FSTE12 Design of Digital Systems 6 A1N 2 E TSTE86 Digital Integrated Circuits 6 A1N 2 E THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TFFM08	Experimental Physics	6*	A1N	1	E
TFYA18 Mathematical Methods of Physics 6 A1N 3 E TFYA43 Nanotechnology 6 G2F 3 E TFYA88 Additive Manufacturing: Tools, Materials and Methods 6 A1N 3 E TFYA97 Modern Optics 6 A1N 4 E TMHL03 Mechanics of Light Structures 6 A1N 4 E TMMV18 Fluid Mechanics 6 A1N 1 E TPPE17 Corporate Finance 6 G2F 4 E TSBB06 Multidimensional Signal Analysis 6* A1N 2 E TSBB08 Digital Image Processing 6 A1N 4 E TSDT14 Signal Theory 6 A1N 1 E TSFS09 Modelling and Control of Engines and Drivelines 6 A1N 4 E TSKS15 Detection and Estimation of Signals 6 A1N 4 E TSKS35 Information and Communications Engineering 6* A1N 3 E TSRT92 Modelling and Learning for Dynamical Systems 6 A1N 3 E TSTE12 Design of Digital Systems 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 A1N 1 E	TFFY54	Quantum Mechanics	6	A1N	2	Е
TFYA43 Nanotechnology 6 G2F 3 E TFYA88 Additive Manufacturing: Tools, Materials and Methods 6 A1N 3 E TFYA97 Modern Optics 6 A1N 4 E TMHL03 Mechanics of Light Structures 6 A1N 4 E TMMV18 Fluid Mechanics 6 A1N 1 E TPPE17 Corporate Finance 6 G2F 4 E TSBB06 Multidimensional Signal Analysis 6* A1N 2 E TSBB08 Digital Image Processing 6 A1N 4 E TSSB08 Digital Image Processing 6 A1N 4 E TSST014 Signal Theory 6 A1N 1 E TSKS15 Detection and Estimation of Signals 6 A1N 4 E TSKS35 Information and Communications Engineering 6* A1N 3 E TSK355 Information and Communications Engineering 6* A1N 3 E TSRT92 Modelling and Learning for Dynamical Systems 6 A1N 3 E TSTE12 Design of Digital Systems 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 A1N 1 E	TFKE59	Fundamentals of Chemistry	6	G1N	2	E
TFYA88 Additive Manufacturing: Tools, Materials and Methods TFYA97 Modern Optics 6 A1N 4 E TMHL03 Mechanics of Light Structures 6 A1N 4 E TMMV18 Fluid Mechanics 6 A1N 1 E TPPE17 Corporate Finance 6 G2F 4 E TSBB06 Multidimensional Signal Analysis 6* A1N 2 E TSBB08 Digital Image Processing 6 A1N 4 E TSDT14 Signal Theory 6 A1N 1 E TSKS15 Detection and Estimation of Signals 6 A1N 4 E TSKS35 Information and Communications Engineering 6* A1N 3 E TSRT92 Modelling and Learning for Dynamical Systems 6 A1N 3 E TSTE12 Design of Digital Systems 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1N 1 C/E TKMJ24 Environmental Engineering 6 A1N 1 E	TFYA18	Mathematical Methods of Physics	6	A1N	3	Е
TFYA97 Modern Optics 6 A1N 4 E TMHL03 Mechanics of Light Structures 6 A1N 4 E TMMV18 Fluid Mechanics 6 A1N 1 E TPPE17 Corporate Finance 6 G2F 4 E TSBB06 Multidimensional Signal Analysis 6* A1N 2 E TSBB08 Digital Image Processing 6 A1N 4 E TSDT14 Signal Theory 6 A1N 1 E TSFS09 Modelling and Control of Engines and Drivelines 6* A1N 4 E TSKS15 Detection and Estimation of Signals 6 A1N 4 E TSKS35 Information and Communications Engineering 6* A1N 3 E TSRT92 Modelling and Learning for Dynamical Systems 6 A1N 3 E TSTE12 Design of Digital Systems 6 A1N 3 E TSTE86 Digital Integrated Circuits 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 A1N 1 E	TFYA43	Nanotechnology	6	G2F	3	E
TMHL03Mechanics of Light Structures6A1N4ETMMV18Fluid Mechanics6A1N1ETPPE17Corporate Finance6G2F4ETSBB06Multidimensional Signal Analysis6*A1N2ETSBB08Digital Image Processing6A1N4ETSDT14Signal Theory6A1N1ETSFS09Modelling and Control of Engines and Drivelines6*A1N4ETSKS15Detection and Estimation of Signals6A1N4ETSKS35Information and Communications Engineering6*A1N3ETSRT92Modelling and Learning for Dynamical Systems6A1N3ETSTE12Design of Digital Systems6A1N3ETSTE86Digital Integrated Circuits6A1N3EPeriod 2THTY18German for Engineers III6*G2F-TGTU49History of Technology6G1F1C/ETKMJ24Environmental Engineering6G1N1C/ETAMS17Statistical Theory, advanced course6A1N1E	TFYA88		6	A1N	3	E
TMMV18Fluid Mechanics6A1N1ETPPE17Corporate Finance6G2F4ETSBB06Multidimensional Signal Analysis6*A1N2ETSBB08Digital Image Processing6A1N4ETSDT14Signal Theory6A1N1ETSFS09Modelling and Control of Engines and Drivelines6*A1N4ETSKS15Detection and Estimation of Signals6A1N4ETSKS35Information and Communications Engineering6*A1N3ETSRT92Modelling and Learning for Dynamical Systems6A1N3ETSTE12Design of Digital Systems6A1N3ETSTE86Digital Integrated Circuits6A1N3EPeriod 2THTY18German for Engineers III6*G2F-TGTU49History of Technology6G1F1C/ETKMJ24Environmental Engineering6G1N1C/ETAMS17Statistical Theory, advanced course6A1N1E	TFYA97	Modern Optics	6	A1N	4	E
TPPE17 Corporate Finance 6 G2F 4 E TSBB06 Multidimensional Signal Analysis 6* A1N 2 E TSBB08 Digital Image Processing 6 A1N 4 E TSDT14 Signal Theory 6 A1N 1 E TSFS09 Modelling and Control of Engines and Drivelines 6* A1N 4 E TSKS15 Detection and Estimation of Signals 6 A1N 4 E TSKS35 Information and Communications Engineering 6* A1N 3 E TSRT92 Modelling and Learning for Dynamical Systems 6 A1N 3 E TSTE12 Design of Digital Systems 6 A1N 3 E TSTE86 Digital Integrated Circuits 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TMHL03	Mechanics of Light Structures	6	A1N	4	E
TSBB06 Multidimensional Signal Analysis 6* A1N 2 E TSBB08 Digital Image Processing 6 A1N 4 E TSDT14 Signal Theory 6 A1N 1 E TSFS09 Modelling and Control of Engines and Drivelines 6* A1N 4 E TSKS15 Detection and Estimation of Signals 6 A1N 4 E TSKS35 Information and Communications Engineering 6* A1N 3 E TSRT92 Modelling and Learning for Dynamical Systems 6 A1N 3 E TSTE12 Design of Digital Systems 6 A1N 3 E TSTE86 Digital Integrated Circuits 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TMMV18	Fluid Mechanics	6	A1N	1	E
TSBB08 Digital Image Processing 6 A1N 4 E TSDT14 Signal Theory 6 A1N 1 E TSFS09 Modelling and Control of Engines and Drivelines 6* A1N 4 E TSKS15 Detection and Estimation of Signals 6 A1N 4 E TSKS35 Information and Communications Engineering 6* A1N 3 E TSRT92 Modelling and Learning for Dynamical Systems 6 A1N 3 E TSTE12 Design of Digital Systems 6 A1N 3 E TSTE86 Digital Integrated Circuits 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TPPE17	Corporate Finance	6	G2F	4	E
TSDT14 Signal Theory 6 A1N 1 E TSFS09 Modelling and Control of Engines and Drivelines 6* A1N 4 E TSKS15 Detection and Estimation of Signals 6 A1N 4 E TSKS35 Information and Communications Engineering 6* A1N 3 E TSRT92 Modelling and Learning for Dynamical Systems 6 A1N 3 E TSTE12 Design of Digital Systems 6 A1N 3 E TSTE86 Digital Integrated Circuits 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TSBB06	Multidimensional Signal Analysis	6*	A1N	2	E
TSFS09 Modelling and Control of Engines and Drivelines 6* A1N 4 E TSKS15 Detection and Estimation of Signals 6 A1N 4 E TSKS35 Information and Communications Engineering 6* A1N 3 E TSRT92 Modelling and Learning for Dynamical Systems 6 A1N 3 E TSTE12 Design of Digital Systems 6 A1N 3 E TSTE86 Digital Integrated Circuits 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TSBB08	Digital Image Processing	6	A1N	4	Е
TSKS15 Detection and Estimation of Signals 6 A1N 4 E TSKS35 Information and Communications Engineering 6* A1N 3 E TSRT92 Modelling and Learning for Dynamical Systems 6 A1N 3 E TSTE12 Design of Digital Systems 6 A1N 3 E TSTE86 Digital Integrated Circuits 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TSDT14	Signal Theory	6	A1N	1	E
TSKS35 Information and Communications Engineering 6* A1N 3 E TSRT92 Modelling and Learning for Dynamical Systems 6 A1N 3 E TSTE12 Design of Digital Systems 6 A1N 3 E TSTE86 Digital Integrated Circuits 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TSFS09		6*	A1N	4	E
TSRT92 Modelling and Learning for Dynamical Systems 6 A1N 3 E TSTE12 Design of Digital Systems 6 A1N 3 E TSTE86 Digital Integrated Circuits 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TSKS15	Detection and Estimation of Signals	6	A1N	4	Е
TSTE12 Design of Digital Systems 6 A1N 3 E TSTE86 Digital Integrated Circuits 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TSKS35	Information and Communications Engineering	6*	A1N	3	E
TSTE86 Digital Integrated Circuits 6 A1N 2 E Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TSRT92		6	A1N	3	E
Period 2 THTY18 German for Engineers III 6* G2F - TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TSTE12	Design of Digital Systems	6	A1N	3	E
THTY18German for Engineers III6*G2F-TGTU49History of Technology6G1F1C/ETKMJ24Environmental Engineering6G1N1C/ETAMS17Statistical Theory, advanced course6A1N1E	TSTE86	Digital Integrated Circuits	6	A1N	2	E
TGTU49 History of Technology 6 G1F 1 C/E TKMJ24 Environmental Engineering 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	Period 2					
TKMJ24 Environmental Engineering 6 G1N 1 C/E TAMS17 Statistical Theory, advanced course 6 A1N 1 E	THTY18	German for Engineers III	6*	G2F	-	
TAMS17 Statistical Theory, advanced course 6 A1N 1 E	TGTU49	History of Technology	6	G1F	1	C/E
	TKMJ24	Environmental Engineering	6	G1N	1	C/E
TAMS41 Statistical Modelling with Regression Methods 6 A1N 3 E	TAMS17	Statistical Theory, advanced course	6	A1N	1	E
	TAMS41	Statistical Modelling with Regression Methods	6	A1N	3	E
TAMS43 Probability Theory and Bayesian Networks 6* A1N 4 E	TAMS43	Probability Theory and Bayesian Networks	6*	A1N	4	Е
TAOP04 Mathematical Optimization 6 A1N 4 E	TAOP04	Mathematical Optimization	6	A1N	4	E



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Course code	Course name	Credits	Level	Timetable module	ECV
TATA34	Real Analysis, Honours Course	6*	G2F	4	E
TATA55	Abstract Algebra	6*	G2F	3	Е
TATA71	Ordinary Differential Equations and Dynamical Systems	6	G2F	2	E
TATM85	Functional Analysis	6*	A1N	2	E
TBME03	Biochemistry and Cell Biology	6	G2F	2	Е
TBMI19	Medical Information Systems	6*	A1N	3	Е
TBMT01	Biomedical Signal Processing	6	A1F	1	E
TDDD38	Advanced Programming in C++	6*	A1N	1	E
TDDD56	Multicore and GPU Programming	6	A1N	2	E
TEAE05	Resource Theory	6	G1N	3	E
TEIO29	Leadership and Organisation	6	G1F	1	E
TFFM08	Experimental Physics	6*	A1N	3	E
TFYA37	Soft Condensed Matter Physics	6	A1N	1	E
TFYA60	Astronomy and Geophysics	6	G1F	3	E
TFYA90	Computational Physics	6	A1F	4	E
TFYB01	Advanced Electromagnetics	6	A1N	2	E
TFYM01	Solid State Physics I	6	A1F	2	E
ТМКМ90	Engineering Materials - Deformation and Fracture	6	A1N	2	Е
TPPE29	Financial Markets and Instruments	6	A1N	2	Е
TSBB06	Multidimensional Signal Analysis	6*	A1N	3	Е
TSBB21	Computational Photography	6	A1F	4	E
TSEA81	Computer Engineering and Real-time Systems	6	A1N	4	E
TSEK02	Radio Electronics	6	A1N	3	E
TSEK37	Analog CMOS Integrated Circuits	6	A1F	1	Е
TSFS02	Vehicle Dynamics and Control	6	A1N	1	Е
TSFS09	Modelling and Control of Engines and Drivelines	6*	A1N	3	E
TSFS22	Fault detection and diagnosis of technical systems	6	A1X	2	E
TSIN02	Internetworking	6	A1N	1	Е
TSIT02	Computer Security	6	G2F	2	Е



Course code	Course name	Credits	Level	Timetable module	ECV
TSKS33	Complex networks and big data	6	A1N	2	E
TSKS35	Information and Communications Engineering	6*	A1N	4	E
TSKS38	Distribuerad informationsbehandling och maskininlärning	6	A1N	2	E
TSRT78	Digital Signal Processing	6	A1F	2	Е

Specialisation: Applied Physics - Materials and Nano Physics - Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFFM08	Experimental Physics	6*	A1N	1	С
TFFY54	Quantum Mechanics	6	A1N	2	E
TFYA43	Nanotechnology	6	G2F	3	E
TFYA97	Modern Optics	6	A1N	4	E
Period 2					
TFFM08	Experimental Physics	6*	A1N	3	С
TFYM01	Solid State Physics I	6	A1F	2	С
TFYA37	Soft Condensed Matter Physics	6	A1N	1	Е

$Specialisation: Applied \ Physics - Theory, Modelling \ and \ Computation - Preliminary \ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFFY54	Quantum Mechanics	6	A1N	2	С
TFYA18	Mathematical Methods of Physics	6	A1N	3	С
TFYA40	Analytical Mechanics	6*	A1N	1	С
TATA75	Theory of Relativity	6*	A1F	-	E
Period 2					
TFYA40	Analytical Mechanics	6*	A1N	3	С
TFYA90	Computational Physics	6	A1F	4	С
TATA75	Theory of Relativity	6*	A1F	3	E
TDDE01	Machine Learning	6	A1N	1	E
TFYM01	Solid State Physics I	6	A1F	2	Е



$Specialisation:\ Biomedical\ Engineering-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TBME04	Anatomy and Physiology	6	G2F	3	С
TBMI19	Medical Information Systems	6*	A1N	2	E
TSDT14	Signal Theory	6	A1N	1	E
Period 2					
TBMT01	Biomedical Signal Processing	6	A1F	1	С
TBME03	Biochemistry and Cell Biology	6	G2F	2	E
TBMI19	Medical Information Systems	6*	A1N	3	E

Specialisation: Communication-Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSDT14	Signal Theory	6	A1N	1	С
TSKS15	Detection and Estimation of Signals	6	A1N	4	С
TSKS35	Information and Communications Engineering	6*	A1N	3	С
Period 2					
TSKS35	Information and Communications Engineering	6*	A1N	4	С
TDDE01	Machine Learning	6	A1N	1	E
TSEK02	Radio Electronics	6	A1N	3	Е
TSIN02	Internetworking	6	A1N	1	E
TSKS33	Complex networks and big data	6	A1N	2	Е
TSRT78	Digital Signal Processing	6	A1F	2	E



Specialisation: Computer Vision and Signal Analysis — Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSBB06	Multidimensional Signal Analysis	6*	A1N	2	С
TSBB08	Digital Image Processing	6	A1N	4	С
TSDT14	Signal Theory	6	A1N	1	С
Period 2					
TSBB06	Multidimensional Signal Analysis	6*	A1N	3	С
TSBB21	Computational Photography	6	A1F	4	С
TDDD56	Multicore and GPU Programming	6	A1N	2	E

$Specialisation: Control \ and \ Information \ Systems-Preliminary \ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSRT92	Modelling and Learning for Dynamical Systems	6	A1N	3	С
TSDT14	Signal Theory	6	A1N	1	E
TSFS09	Modelling and Control of Engines and Drivelines	6*	A1N	4	E
TSKS15	Detection and Estimation of Signals	6	A1N	4	E
Period 2					
TSRT78	Digital Signal Processing	6	A1F	2	С
TSEA81	Computer Engineering and Real-time Systems	6	A1N	4	C/E
TSFS02	Vehicle Dynamics and Control	6	A1N	1	E
TSFS09	Modelling and Control of Engines and Drivelines	6*	A1N	3	E
TSFS22	Fault detection and diagnosis of technical systems	6	A1X	2	E
TSKS33	Complex networks and big data	6	A1N	2	E



Specialisation: Data Science and Machine Intelligence — Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSBB06	Multidimensional Signal Analysis	6*	A1N	2	С
TSKS15	Detection and Estimation of Signals	6	A1N	4	С
TSRT92	Modelling and Learning for Dynamical Systems	6	A1N	3	С
Period 2					
TSBB06	Multidimensional Signal Analysis	6*	A1N	3	С
TSKS33	Complex networks and big data	6	A1N	2	С
TDDE01	Machine Learning	6	A1N	1	C/E

Specialisation: Electronics - Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSKS35	Information and Communications Engineering	6*	A1N	3	С
TSTE86	Digital Integrated Circuits	6	A1N	2	С
TSTE12	Design of Digital Systems	6	A1N	3	E
Period 2					
TSEK37	Analog CMOS Integrated Circuits	6	A1F	1	С
TSKS35	Information and Communications Engineering	6*	A1N	4	С
TSEA26	Design of Embedded DSP Processor	6	A1N	2	E
TSEK02	Radio Electronics	6	A1N	3	E



$Specialisation: Engineering\ Mathematics-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TAMS32	Stochastic Processes	6	A1N	1	С
TATM85	Functional Analysis	6*	A1N	2	С
TAOP34	Large Scale Optimization	6	A1N	3	E
TATA32	Discrete Mathematics	8*	G1N	2	E
TATA55	Abstract Algebra	6*	G2F	3	E
TDDD08	Logic Programming	6	A1N	4	E
TFYA18	Mathematical Methods of Physics	6	A1N	3	E
TSKS15	Detection and Estimation of Signals	6	A1N	4	E
Period 2					
TATM85	Functional Analysis	6*	A1N	2	С
TAOP04	Mathematical Optimization	6	A1N	4	E
TATA32	Discrete Mathematics	8*	G1N	3	E
TATA55	Abstract Algebra	6*	G2F	3	E
TATA71	Ordinary Differential Equations and Dynamical Systems	6	G2F	2	E

$Specialisation: Financial\ Mathematics-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TAMS32	Stochastic Processes	6	A1N	1	С
TPPE17	Corporate Finance	6	G2F	4	С
TATM85	Functional Analysis	6*	A1N	2	E
Period 2					
TAOP04	Mathematical Optimization	6	A1N	4	E
TATM85	Functional Analysis	6*	A1N	2	E
TPPE29	Financial Markets and Instruments	6	A1N	2	E



$Specialisation: Mechanics\ and\ Control-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMV11	Fluid Mechanics and Heat Transfer	6	G2F	2	E
TSFS09	Modelling and Control of Engines and Drivelines	6*	A1N	4	E
TSRT92	Modelling and Learning for Dynamical Systems	6	A1N	3	E
Period 2					
TSEA81	Computer Engineering and Real-time Systems	6	A1N	4	С
TSFS02	Vehicle Dynamics and Control	6	A1N	1	E
TSFS09	Modelling and Control of Engines and Drivelines	6*	A1N	3	E
TSFS22	Fault detection and diagnosis of technical systems	6	A1X	2	E
TSRT78	Digital Signal Processing	6	A1F	2	E

$Specialisation: Photonics\ and\ Quantum\ Technology-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFFY54	Quantum Mechanics	6	A1N	2	С
TFYA97	Modern Optics	6	A1N	4	С
TFFM08	Experimental Physics	6*	A1N	1	E
Period 2					
TFFM08	Experimental Physics	6*	A1N	3	E
TFYB01	Advanced Electromagnetics	6	A1N	2	E
TSIN02	Internetworking	6	A1N	1	E



Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSTE12	Design of Digital Systems	6	A1N	3	С
TSTE86	Digital Integrated Circuits	6	A1N	2	С
TDTS06	Computer Networks	6	G2F	1	E
TSKS35	Information and Communications Engineering	6*	A1N	3	E
Period 2					
TSEA26	Design of Embedded DSP Processor	6	A1N	2	С
TSEA81	Computer Engineering and Real-time Systems	6	A1N	4	E
TSEK37	Analog CMOS Integrated Circuits	6	A1F	1	Е
TSKS35	Information and Communications Engineering	6*	A1N	4	E

Semester 8 (Spring 2027)

Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFYA85	Alternative Energy Sources and their Applications	6	G2F	4	C/E
TGTU94	Technology and Ethics	6	G1F	1	C/E
TKMJ15	Environmental Management Strategies	6	G1F	3	C/E
TAMS29	Stochastic Processes Applied to Financial Models	6	A1F	3	E
TANA15	Numerical Linear Algebra	6	A1N	1	E
TATA27	Partial Differential Equations	6*	A1N	2	E
TATA53	Linear Algebra, Honours Course	6*	G2F	3	E
TATA54	Number Theory	6*	G2F	3	E
TATA66	Fourier and Wavelet Analysis	6*	A1N	4	E
TATA78	Complex Analysis, second course	6*	A1N	2	E
TBMI26	Neural Networks and Learning Systems	6	A1N	2	E
ТВМТ09	Physiological Pressures and Flows	6	A1N	1	E
TBMT59	Medical image formation	6	A1F	3	E
TDDD20	Design and Analysis of Algorithms	6	A1N	3	E



Course code	Course name	Credits	Level	Timetable module	ECV
TDDD41	Data Mining - Clustering and Association Analysis	6	A1N	3	E
TDDD95	Algorithmic Problem Solving	6*	A1F	1	E
TDDE09	Natural Language Processing	6	A1F	2	E
TDTS07	System Design and Methodology	6	A1N	1	Е
TFYA17	Advanced Project Work in Applied Physics	6*	A1F	-	Е
TFYA38	Optoelectronics	6	A1N	3	E
TFYB03	Advanced Quantum Mechanics	6	A1F	4	Е
TFYM02	Solid State Physics II	6	A1F	2	Е
TFYM04	Growth and characterization of nanomaterials	6*	A1F	1	E
TGTU91	Oral and Written Communication	6	G1F	2	E
TMES21	Industrial Energy Systems	6	A1F	3	Е
TMMS30	Multi Body Dynamics and Robotics	6	A1N	1	E
TNM111	Information Visualization	6	A1N	3	Е
TPPE32	Financial Risk Management	6	A1F	2	E
TSBB34	Computer Vision for Video Analysis	6	A1N	1	Е
TSBK07	Computer Graphics	6*	A1N	4	E
TSBK08	Data Compression	6	A1N	2	Е
TSEK06	VLSI Design	12*	A1F	4	E
TSEK38	Radio Frequency Transceiver Design	6	A1F	2	E
TSFS04	Electrical Drives	6	G2F	4	E
TSIT12	Quantum Electronics and Quantum Optics	6*	A1N	1	Е
TSKS36	Digital and Wireless Communications	6	A1F	4	Е
TSRT07	Industrial Control Systems	6	A1N	2	Е
TSRT09	Control Theory	6	A1N	3	Е
TSTE14	Analog Filters	6	A1N	2	Е
TSTE93	Analog Circuits	6*	G2F	4	Е
TINT02	Intercultural Competence and Intercultural Communication, continued course	6*	G2F	-	V
Period 2		_			
TEAE01	Industrial Economics, Basic Course	6	G1F	2	C/E
TEIO94	Entrepreneurship and Idea Development	6	G2F	2	C/E
TRTE21	Chemistry for purification and recycling	6	G1N	2	C/E



Course code	Course name	Credits	Level	Timetable module	ECV
TANA31	Computational Methods for Ordinary and Partial Differential Equations	6	A1N	2	E
TAOP24	Optimization, Advanced Course	6	G2F	1	Е
TAOP87	Applied Optimization Project Course	6	A1N	3	Е
TATA27	Partial Differential Equations	6*	A1N	4	Е
TATA53	Linear Algebra, Honours Course	6*	G2F	3	E
TATA54	Number Theory	6*	G2F	1	Е
TATA66	Fourier and Wavelet Analysis	6*	A1N	2	Е
TATA78	Complex Analysis, second course	6*	A1N	3	Е
TBME08	Biomedical Modeling and Simulation	6	A1N	3	Е
TBMT26	Technology in Intensive Care and Surgery	6	A1N	1	Е
TDDD12	Database Technology	6	G2F	4	E
TDDD95	Algorithmic Problem Solving	6*	A1F	4	Е
TDDE07	Bayesian Learning	6	A1F	2	Е
TDDE31	Big Data Analytics	6	A1F	3	E
TDDE65	Programming of Parallel Computers - Methods and Tools	6	A1N	2	E
TDDE70	Deep Learning	6	A1F	1	Е
TEAE13	Civil and Commercial Law	6	G1F	2	Е
TEAE20	Intellectual Property Rights	6	G1F	1	Е
TFMT19	Chemical Sensor Systems	6	A1N	4	Е
TFYA17	Advanced Project Work in Applied Physics	6*	A1F	-	Е
TFYB11	Materials Science	6	A1N	3	Е
TFYM04	Growth and characterization of nanomaterials	6*	A1F	1	Е
TGTU84	Diversity and Gender in Engineering	6	G1F	4	Е
TKMJ29	Resource Efficient Products	6	A1N	1	E
TNM079	Modelling and Animation	6	A1N	2	E
TPPE33	Portfolio Management	6	A1N	2	E
TSBB33	3D Computer Vision	6	A1N	3	E
TSBK07	Computer Graphics	6*	A1N	1	Е
TSBK38	Image and Audio Compression	6	A1N	4	E
TSEK06	VLSI Design	12*	A1F	4	E
TSFS03	Vehicle Propulsion Systems	6	A1N	4	E



Course code	Course name	Credits	Level	Timetable module	ECV
TSFS19	Battery Systems	6	A1N	2	E
TSIT11	Quantum Algorithms and Quantum Information	6	A1N	3	E
TSIT12	Quantum Electronics and Quantum Optics	6*	A1N	1	E
TSKS14	Multiple Antenna Communications	6	A1F	3	E
TSKS16	Signal Processing for Communications	6	A1N	1	E
TSRT14	Sensor Fusion	6	A1N	3	E
TSTE06	Digital Filters	6	A1N	3	E
TSTE87	Application-Specific Integrated Circuits	6	A1N	2	E
TSTE93	Analog Circuits	6*	G2F	1	E
TINT02	Intercultural Competence and Intercultural Communication, continued course	6*	G2F	-	V

Specialisation: Applied Physics - Materials and Nano Physics - Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFYM04	Growth and characterization of nanomaterials	6*	A1F	1	С
TFYA17	Advanced Project Work in Applied Physics	6*	A1F	-	E
TFYA38	Optoelectronics	6	A1N	3	E
TFYM02	Solid State Physics II	6	A1F	2	E
Period 2					
TFYB11	Materials Science	6	A1N	3	С
TFYM04	Growth and characterization of nanomaterials	6*	A1F	1	С
TFMT19	Chemical Sensor Systems	6	A1N	4	E
TFYA17	Advanced Project Work in Applied Physics	6*	A1F	-	E



Specialisation: Applied Physics - Theory, Modelling and Computation — Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TATA27	Partial Differential Equations	6*	A1N	2	Е
TBMI26	Neural Networks and Learning Systems	6	A1N	2	E
TFYA17	Advanced Project Work in Applied Physics	6*	A1F	-	E
TFYB03	Advanced Quantum Mechanics	6	A1F	4	Е
TFYM02	Solid State Physics II	6	A1F	2	E
TSBK07	Computer Graphics	6*	A1N	4	Е
Period 2					
TATA27	Partial Differential Equations	6*	A1N	4	Е
TFYA17	Advanced Project Work in Applied Physics	6*	A1F	-	E
TFYB11	Materials Science	6	A1N	3	E
TSBK07	Computer Graphics	6*	A1N	1	E
TSIT11	Quantum Algorithms and Quantum Information	6	A1N	3	E

$Specialisation:\ Biomedical\ Engineering-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
ТВМТ09	Physiological Pressures and Flows	6	A1N	1	С
TBMT59	Medical image formation	6	A1F	3	С
TBMI26	Neural Networks and Learning Systems	6	A1N	2	E
Period 2					
TBME08	Biomedical Modeling and Simulation	6	A1N	3	E
TBMT26	Technology in Intensive Care and Surgery	6	A1N	1	Е



Specialisation: Communication-Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TBMI26	Neural Networks and Learning Systems	6	A1N	2	Е
TSBK08	Data Compression	6	A1N	2	E
TSEK38	Radio Frequency Transceiver Design	6	A1F	2	E
TSKS36	Digital and Wireless Communications	6	A1F	4	Е
Period 2					
TSBK38	Image and Audio Compression	6	A1N	4	Е
TSKS14	Multiple Antenna Communications	6	A1F	3	E
TSKS16	Signal Processing for Communications	6	A1N	1	E

$Specialisation: Control \ and \ Information \ Systems-Preliminary \ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSRT07	Industrial Control Systems	6	A1N	2	С
TSRT09	Control Theory	6	A1N	3	С
Period 2					
TDDD12	Database Technology	6	G2F	4	C/E
TDDE65	Programming of Parallel Computers - Methods and Tools	6	A1N	2	E
TSRT14	Sensor Fusion	6	A1N	3	E



Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDDD20	Design and Analysis of Algorithms	6	A1N	3	C/E
TDDD95	Algorithmic Problem Solving	6*	A1F	1	C/E
TANA15	Numerical Linear Algebra	6	A1N	1	E
TBMI26	Neural Networks and Learning Systems	6	A1N	2	E
TDDD38	Advanced Programming in C++	6*	A1N	2	E
TDDD41	Data Mining - Clustering and Association Analysis	6	A1N	3	E
TDDE09	Natural Language Processing	6	A1F	2	Е
Period 2					
TDDD95	Algorithmic Problem Solving	6*	A1F	4	C/E
TAOP24	Optimization, Advanced Course	6	G2F	1	E
TDDD38	Advanced Programming in C++	6*	A1N	1	E
TDDE07	Bayesian Learning	6	A1F	2	E
TDDE31	Big Data Analytics	6	A1F	3	E
TDDE65	Programming of Parallel Computers - Methods and Tools	6	A1N	2	E
TSRT14	Sensor Fusion	6	A1N	3	E

Specialisation: Electronics - Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSEK06	VLSI Design	12*	A1F	4	C/E
TSEK38	Radio Frequency Transceiver Design	6	A1F	2	E
TSTE14	Analog Filters	6	A1N	2	Е
TSTE93	Analog Circuits	6*	G2F	4	E
Period 2					
TSTE87	Application-Specific Integrated Circuits	6	A1N	2	С
TSEK06	VLSI Design	12*	A1F	4	C/E
TSKS16	Signal Processing for Communications	6	A1N	1	E
TSTE06	Digital Filters	6	A1N	3	E
TSTE93	Analog Circuits	6*	G2F	1	Е



$Specialisation: Engineering\ Mathematics-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TANA15	Numerical Linear Algebra	6	A1N	1	С
TATA27	Partial Differential Equations	6*	A1N	2	E
TATA66	Fourier and Wavelet Analysis	6*	A1N	4	E
TATA78	Complex Analysis, second course	6*	A1N	2	E
TSRT09	Control Theory	6	A1N	3	E
Period 2					
TAOP24	Optimization, Advanced Course	6	G2F	1	С
TATA27	Partial Differential Equations	6*	A1N	4	E
TATA66	Fourier and Wavelet Analysis	6*	A1N	2	E
TATA78	Complex Analysis, second course	6*	A1N	3	E

$Specialisation: Financial\ Mathematics-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TAMS29	Stochastic Processes Applied to Financial Models	6	A1F	3	С
TANA15	Numerical Linear Algebra	6	A1N	1	С
TPPE32	Financial Risk Management	6	A1F	2	E
Period 2					
TAOP24	Optimization, Advanced Course	6	G2F	1	E
TDDD12	Database Technology	6	G2F	4	E
TPPE33	Portfolio Management	6	A1N	2	E



$Specialisation: Mechanics\ and\ Control-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMS30	Multi Body Dynamics and Robotics	6	A1N	1	Е
TSFS04	Electrical Drives	6	G2F	4	E
TSRT07	Industrial Control Systems	6	A1N	2	E
TSRT09	Control Theory	6	A1N	3	E
Period 2					
TSFS03	Vehicle Propulsion Systems	6	A1N	4	E
TSFS19	Battery Systems	6	A1N	2	E
TSRT14	Sensor Fusion	6	A1N	3	E

Specialisation: Photonics and Quantum Technology — Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFYA38	Optoelectronics	6	A1N	3	С
TSIT12	Quantum Electronics and Quantum Optics	6*	A1N	1	С
TFYB03	Advanced Quantum Mechanics	6	A1F	4	E
Period 2					
TSIT12	Quantum Electronics and Quantum Optics	6*	A1N	1	С
TSIT11	Quantum Algorithms and Quantum Information	6	A1N	3	E



$Specialisation: System-on-Chip-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDTS07	System Design and Methodology	6	A1N	1	С
TSEK06	VLSI Design	12*	A1F	4	C/E
TSBK07	Computer Graphics	6*	A1N	4	E
Period 2					_
TSEK06	VLSI Design	12*	A1F	4	C/E
TEAE20	Intellectual Property Rights	6	G1F	1	Е
TSBK07	Computer Graphics	6*	A1N	1	E
TSKS16	Signal Processing for Communications	6	A1N	1	E
TSTE06	Digital Filters	6	A1N	3	E
TSTE87	Application-Specific Integrated Circuits	6	A1N	2	E

Semester 9 (Autumn 2027)

Preliminary courses

Period 1TAMS39Multivariate Statistical Methods6A1N4ETATA32Discrete Mathematics8*G1N2ETATA62Project - Applied Mathematics12*A1F4ETATA75Theory of Relativity6*A1F-ETBMT14Biomedical Engineering - Project Course12*A1F4ETBMT57Biomedical Optics6A1F1ETDDC88Software Engineering12*A1N1ETDDE15Advanced Machine Learning6A1F1ETFKE59Fundamentals of Chemistry6G1N2ETFYA40Analytical Mechanics6*A1N1E
TATA32 Discrete Mathematics 8* G1N 2 E TATA62 Project - Applied Mathematics 12* A1F 4 E TATA75 Theory of Relativity 6* A1F - E TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TBMT57 Biomedical Optics 6 A1F 1 E TDDC88 Software Engineering 12* A1N 1 E TDDE15 Advanced Machine Learning 6 A1F 1 E TFKE59 Fundamentals of Chemistry 6 G1N 2 E
TATA62 Project - Applied Mathematics 12* A1F 4 E TATA75 Theory of Relativity 6* A1F - E TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TBMT57 Biomedical Optics 6 A1F 1 E TDDC88 Software Engineering 12* A1N 1 E TDDE15 Advanced Machine Learning 6 A1F 1 E TFKE59 Fundamentals of Chemistry 6 G1N 2 E
TATA75 Theory of Relativity 6* A1F - E TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TBMT57 Biomedical Optics 6 A1F 1 E TDDC88 Software Engineering 12* A1N 1 E TDDE15 Advanced Machine Learning 6 A1F 1 E TFKE59 Fundamentals of Chemistry 6 G1N 2 E
TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TBMT57 Biomedical Optics 6 A1F 1 E TDDC88 Software Engineering 12* A1N 1 E TDDE15 Advanced Machine Learning 6 A1F 1 E TFKE59 Fundamentals of Chemistry 6 G1N 2 E
TBMT57 Biomedical Optics 6 A1F 1 E TDDC88 Software Engineering 12* A1N 1 E TDDE15 Advanced Machine Learning 6 A1F 1 E TFKE59 Fundamentals of Chemistry 6 G1N 2 E
TDDC88Software Engineering12*A1N1ETDDE15Advanced Machine Learning6A1F1ETFKE59Fundamentals of Chemistry6G1N2E
TDDE15 Advanced Machine Learning 6 A1F 1 E TFKE59 Fundamentals of Chemistry 6 G1N 2 E
TFKE59 Fundamentals of Chemistry 6 G1N 2 E
,
TEVA40 Analytical Mechanics 6* A1N 1 F
7 All I
TFYA99 Project Course in Applied Physics, CDIO 12* A1F 4 E
TFYM03 Nanophysics 6 A1F 3 E
TMMV01 Aerodynamics 6 A1N 3 E
TNE071 Microwave Engineering 6 A1N 1 E



TNEO89 Electromagnetic Compatibility (EMC) and Printed Circuit Board (PCB) Design NMO67 Scientific Visualization 6 A1N 3 E TPPE53 Financial Valuation Methodology 6 A1F 2 E TSBB11 Images and Graphics, Project Course CDIO 12* A1F 4 E TSBB19 Machine Learning for Computer Vision 6 A1N 2 E TSBR03 Advanced Game Programming 6* A1N 1 E TSEA84 Digital Design Project 6* A1F 1 E TSEK03 Radio Frequency Integrated Circuits 6 A1F 2 E TSFS12 Autonomous Vehicles - Planning, Control, and Learning Systems TSIN01 Information Networks 6 A1N 3 E TSIT03 Cryptology 6 A1N 1 E TSKS12 Modern Channel Coding, Inference and Learning Work Communication 6 A1N 1 E TSKS12 Project Course in Signal Processing, Communications and Networking, CDIO 12* A1F 4 E TSTE28 Power Electronics 6 A1N 3 E TSTE28 Power Electronics 12* A1F 4 E TATA32 Discrete Mathematics 12* A1F 4 E TATA43 Discrete Mathematics 12* A1F 4 E TATA41 Ordinary Differential Equations and Dynamical Systems TATA41 Ordinary Differential Equations and Dynamical Systems TATA55 Theory of Relativity 6* A1F 3 E TBM10 Medical Image Analysis 6 A1N 1 E TDDC88 Software Engineering - Project Course 12* A1F 4 E TDDD37 Database Technology 6 A1N 1 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1N 2 E TDDD69 Scientific Method 6 A1F 3 E TDDE01 Machine Learning 6 A1N 1 E	Course code	Course name	Credits	Level	Timetable module	ECV
TPPE53 Financial Valuation Methodology 6 A1F 2 E TSBB11 Images and Graphics, Project Course CDIO 12* A1F 4 E TSBB19 Machine Learning for Computer Vision 6 A1N 2 E TSBB19 Machine Learning for Computer Vision 6* A1N 1 E TSEA84 Digital Design Project 6* A1F 1 E TSEA84 Digital Design Project 6* A1F 1 E TSEK03 Radio Frequency Integrated Circuits 6 A1F 2 E TSFS12 Autonomous Vehicles - Planning, Control, and Learning Systems 6 A1N 1 E TSIN01 Information Networks 6 A1N 2 E TSIT03 Cryptology 6 A1N 2 E TSIT13 Quantum Communication 6 A1N 1 E TSKS12 Modern Channel Coding, Inference and Learning Project Course in Signal Processing, Communications and Networking, CDIO 12* A1F 4 E TSTE28 Power Electronics 6 A1N 3 E TSTE28 Power Electronics 6 A1N 3 E TATA32 Discrete Mathematics 8* G1N 3 E TATA42 Project - Applied Mathematics 12* A1F 4 E TATA71 Ordinary Differential Equations and Dynamical Systems 6 TATA71 Preory of Relativity 6* A1F 1 E TBMI02 Medical Image Analysis 6 A1N 1 E TDDC88 Software Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering - Project Course 12* A1F 4 E TDDD37 Database Technology 6 A1N 2 E TDDD56 Multicore and GPU Programming 6 A1N 2 E TDDD56 Multicore and GPU Programming 6 A1F 3 E	TNE089		6*	A1N	2	E
TSBB11 Images and Graphics, Project Course CDIO 12* A1F 4 E TSBB19 Machine Learning for Computer Vision 6 A1N 2 E TSBB19 Machine Learning for Computer Vision 6 A1N 1 E TSEA84 Digital Design Project 6* A1N 1 E TSEA84 Digital Design Project 6* A1F 1 E TSEK03 Radio Frequency Integrated Circuits 6 A1F 2 E TSEK03 Radio Frequency Integrated Circuits 6 A1F 2 E TSFS12 Autonomous Vehicles - Planning, Control, and Learning Systems TSIN01 Information Networks 6 A1N 1 E TSIT03 Cryptology 6 A1N 2 E TSIT03 Cryptology 6 A1N 1 E TSKS12 Modern Channel Coding, Inference and Learning TSKS12 Learning TSKS23 Project Course in Signal Processing, Communications and Networking, CDIO 12* A1F 4 E TSTE28 Power Electronics 6 A1N 3 E TSTE28 Power Electronics 6 A1N 3 E TSTE28 Power Electronics 6 A1N 3 E TATA32 Discrete Mathematics 12* A1F 4 E TATA31 Ordinary Differential Equations and Dynamical Systems 1A1F 1 E TATA75 Theory of Relativity 6* A1F 3 E TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering - Project Course 12* A1F 4 E TDDD37 Database Technology 6 G2F 1 E TDDD39 Scientific Method 6 A1N 2 E	TNM067	Scientific Visualization	6	A1N	3	E
TSBB19 Machine Learning for Computer Vision 6 A1N 2 E TSBK03 Advanced Game Programming 6* A1N 1 E TSEA84 Digital Design Project 6* A1F 1 E TSEK03 Radio Frequency Integrated Circuits 6 A1F 2 E TSFS12 Autonomous Vehicles - Planning, Control, and Learning Systems 6 A1N 1 E TSIN01 Information Networks 6 A1N 2 E TSIT03 Cryptology 6 A1N 1 E TSIT13 Quantum Communication 6 A1N 1 E TSKS12 Learning Systems 6 A1N 1 E TSKS12 Project Course in Signal Processing, Communications and Networking, CDIO 12* A1F 4 E TSTE28 Power Electronics 6 A1N 3 E TSTE28 Power Electronics 6 A1N 3 E TATA32 Discrete Mathematics 12* A1F 4 E TATA32 Discrete Mathematics 12* A1F 4 E TATA32 Discrete Mathematics 12* A1F 4 E TATA34 Ordinary Differential Equations and Dynamical Systems 6 A1N 1 E TATA75 Theory of Relativity 6* A1F 3 E TBMI02 Medical Image Analysis 6 A1N 1 E TDDC88 Software Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering - Project Course 12* A1F 4 E TDDD37 Database Technology 6 G2F 1 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1N 2 E TDDD56 Multicore and GPU Programming 6 A1N 2 E	TPPE53	Financial Valuation Methodology	6	A1F	2	E
TSBK03 Advanced Game Programming 6* A1N 1 E TSEA84 Digital Design Project 6* A1F 1 E TSEK03 Radio Frequency Integrated Circuits 6 A1F 2 E TSFS12 Autonomous Vehicles - Planning, Control, and Learning Systems 6 A1N 1 E TSIN01 Information Networks 6 A1N 3 E TSIT03 Cryptology 6 A1N 1 E TSIT13 Quantum Communication 6 A1N 1 E TSKS12 Modern Channel Coding, Inference and Learning TSKS12 Modern Channel Coding, Inference and Learning TSKS12 Modern Channel Coding, Inference and Learning TSKS23 Project Course in Signal Processing, Communications and Networking, CDIO 12* A1F 4 E TSTE28 Power Electronics 12* A1F 4 E TSTE28 Power Electronics 6 A1N 3 E Period 2 TATA32 Discrete Mathematics 8* G1N 3 E TATA62 Project - Applied Mathematics 12* A1F 4 E TATA71 Ordinary Differential Equations and Dynamical Systems 12* A1F 4 E TATA71 Theory of Relativity 6* A1F 3 E TBMI02 Medical Image Analysis 6 A1N 1 E TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering - Project Course 12* A1F 4 E TDDD37 Database Technology 6 G2F 1 E TDDD39 Programming in C# and .NET Framework 4 G2F 3 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1N 2 E	TSBB11	Images and Graphics, Project Course CDIO	12*	A1F	4	E
TSEA84 Digital Design Project Radio Frequency Integrated Circuits 6 A1F 2 E TSFS12 Autonomous Vehicles - Planning, Control, and Learning Systems TSIN01 Information Networks 6 A1N 3 E TSIT03 Cryptology 6 A1N 1 E TSKS12 Modern Channel Coding, Inference and Learning TSKS12 Project Course in Signal Processing, Communications and Networking, CDIO TSRT10 Automatic Control - Project Course TSTE28 Power Electronics TATA32 Discrete Mathematics TATA32 Discrete Mathematics TATA42 Project - Applied Mathematics TATA62 Project - Applied Mathematics TATA71 Ordinary Differential Equations and Dynamical Systems TATA75 Theory of Relativity TBMI02 Medical Image Analysis TBMI02 Medical Image Analysis TDDD36 Multicore and GPU Programming TDDD39 Scientific Method 6 A1N 2 E TDDD48 Scientific Method 6 A1R 3 E TDDD56 Multicore and GPU Programming 6 A1R 2 E E E TDDD89 Scientific Method 6 A1R 3 E	TSBB19	Machine Learning for Computer Vision	6	A1N	2	E
TSEK03 Radio Frequency Integrated Circuits 6 A1F 2 E TSFS12 Autonomous Vehicles - Planning, Control, and Learning Systems 6 A1N 1 E TSIN01 Information Networks 6 A1N 2 E TSIT03 Cryptology 6 A1N 1 E TSIT13 Quantum Communication 6 A1N 1 E TSKS12 Modern Channel Coding, Inference and Learning Communication 6 A1N 1 E TSKS12 Modern Channel Coding, Inference and Learning 12* A1F 4 E TSKS23 Project Course in Signal Processing, Communications and Networking, CDIO 12* A1F 4 E TSTE10 Automatic Control - Project Course 12* A1F 4 E TSTE28 Power Electronics 6 A1N 3 E Period 2 TATA32 Discrete Mathematics 8* G1N 3 E TATA62 Project - Applied Mathematics 12* A1F 4 E TATA71 Ordinary Differential Equations and Dynamical Systems 6 A1N 1 E TATA75 Theory of Relativity 6* A1F 3 E TBMI02 Medical Image Analysis 6 A1N 1 E TDDC88 Software Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering 12* A1N 1 E TDDD37 Database Technology 6 G2F 1 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1N 2 E TDDD56 Multicore and GPU Programming 6 A1N 2 E	TSBK03	Advanced Game Programming	6*	A1N	1	E
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TSIN01 Information Networks 6 A1N 3 E TSIT03 Cryptology 6 A1N 1 E TSIT03 Cryptology 6 A1N 1 E TSIT13 Quantum Communication 6 A1N 1 E TSKS12 Modern Channel Coding, Inference and Learning 6 A1N 1 E TSKS23 Project Course in Signal Processing, Communications and Networking, CDIO 12* A1F 4 E TSTE28 Power Electronics 6 A1N 3 E TSTE28 Power Electronics 6 A1N 3 E TATA32 Discrete Mathematics 8* G1N 3 E TATA42 Project - Applied Mathematics 12* A1F 4 E TATA71 Ordinary Differential Equations and Dynamical Systems 6 A1N 1 E TATA75 Theory of Relativity 6* A1F 3 E TBMI02 Medical Image Analysis 6 A1N 1 E TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering 12* A1F 4 E TDDC88 Software Engineering 12* A1F 1 E TDDD37 Database Technology 6 G2F 1 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1F 3 E	TSEK03	Radio Frequency Integrated Circuits	6	A1F	2	E
TSIT03 Cryptology 6 A1N 2 E TSIT13 Quantum Communication 6 A1N 1 E TSKS12 Modern Channel Coding, Inference and Learning 6 A1N 1 E TSKS23 Project Course in Signal Processing, Communications and Networking, CDIO 12* A1F 4 E TSRT10 Automatic Control - Project Course 6 A1N 3 E Period 2 TATA32 Discrete Mathematics 8* G1N 3 E TATA62 Project - Applied Mathematics 12* A1F 4 E TATA71 Ordinary Differential Equations and Dynamical Systems 6 A1N 1 E TATA75 Theory of Relativity 6* A1F 3 E TBM102 Medical Image Analysis 6 A1N 1 E TBM114 Biomedical Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering 12* A1N 1 E TDDC88 Software Engineering 12* A1N 1 E TDDD37 Database Technology 6 G2F 1 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1N 2 E TDDD56 Multicore and GPU Programming 6 A1N 2 E	TSFS12		6	A1N	1	E
TSIT13 Quantum Communication 6 A1N 1 E TSKS12 Modern Channel Coding, Inference and Learning 6 A1N 1 E TSKS23 Project Course in Signal Processing, Communications and Networking, CDIO 12* A1F 4 E TSRT10 Automatic Control - Project Course 12* A1F 4 E TSTE28 Power Electronics 6 A1N 3 E Period 2 TATA32 Discrete Mathematics 8* G1N 3 E TATA62 Project - Applied Mathematics 12* A1F 4 E TATA71 Ordinary Differential Equations and Dynamical Systems 6 A1F 3 E TATA75 Theory of Relativity 6* A1F 3 E TBM102 Medical Image Analysis 6 A1N 1 E TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering 12* A1F 4 E TDDC88 Software Engineering 12* A1N 1 E TDDD37 Database Technology 6 G2F 1 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1N 2 E TDDD89 Scientific Method 6 A1F 3 E	TSIN01	Information Networks	6	A1N	3	E
TSKS12 Modern Channel Coding, Inference and Learning 6 A1N 1 E TSKS23 Project Course in Signal Processing, Communications and Networking, CDIO 12* A1F 4 E TSRT10 Automatic Control - Project Course 12* A1F 4 E TSTE28 Power Electronics 6 A1N 3 E Period 2 TATA32 Discrete Mathematics 8* G1N 3 E TATA62 Project - Applied Mathematics 12* A1F 4 E TATA71 Ordinary Differential Equations and Dynamical Systems 6 G2F 2 E TATA75 Theory of Relativity 6* A1F 3 E TBM102 Medical Image Analysis 6 A1N 1 E TBM114 Biomedical Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering Project Course 12* A1F 4 E TDDC88 Software Engineering 6 G2F 1 E TDDD37 Database Technology 6 G2F 1 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1N 2 E TDDD89 Scientific Method 6 A1F 3 E	TSIT03	Cryptology	6	A1N	2	Е
TSKS12 Learning Project Course in Signal Processing, Communications and Networking, CDIO TSRT10 Automatic Control - Project Course 12* A1F 4 E TSTE28 Power Electronics 6 A1N 3 E Period 2 TATA32 Discrete Mathematics 8* G1N 3 E TATA62 Project - Applied Mathematics 12* A1F 4 E TATA71 Ordinary Differential Equations and Dynamical Systems TATA75 Theory of Relativity 6* A1F 3 E TBMI02 Medical Image Analysis 6 A1N 1 E TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering 12* A1N 1 E TDDD37 Database Technology 6 G2F 1 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1N 2 E TDDD89 Scientific Method 6 A1F 3 E	TSIT13	Quantum Communication	6	A1N	1	E
TSRT10 Automatic Control - Project Course 12* A1F 4 E TSTE28 Power Electronics 6 A1N 3 E Period 2 TATA32 Discrete Mathematics 8* G1N 3 E TATA62 Project - Applied Mathematics 12* A1F 4 E TATA71 Ordinary Differential Equations and Dynamical Systems 6* A1F 3 E TATA75 Theory of Relativity 6* A1F 3 E TBMI02 Medical Image Analysis 6 A1N 1 E TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering 12* A1N 1 E TDDD37 Database Technology 6 G2F 1 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1N 2 E TDDD89 Scientific Method 6 A1F 3 E	TSKS12		6	A1N	1	E
TSTE28 Power Electronics 6 A1N 3 E Period 2 TATA32 Discrete Mathematics 8* G1N 3 E TATA62 Project - Applied Mathematics 12* A1F 4 E TATA71 Ordinary Differential Equations and Dynamical Systems 6 A1F 3 E TATA75 Theory of Relativity 6* A1F 3 E TBM102 Medical Image Analysis 6 A1N 1 E TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering 12* A1N 1 E TDDD37 Database Technology 6 G2F 1 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1F 3 E	TSKS23		12*	A1F	4	E
Period 2TATA32Discrete Mathematics8*G1N3ETATA62Project - Applied Mathematics12*A1F4ETATA71Ordinary Differential Equations and Dynamical Systems6G2F2ETATA75Theory of Relativity6*A1F3ETBMI02Medical Image Analysis6A1N1ETBMT14Biomedical Engineering - Project Course12*A1F4ETDDC88Software Engineering12*A1N1ETDDD37Database Technology6G2F1ETDDD49Programming in C# and .NET Framework4G2F3ETDDD56Multicore and GPU Programming6A1N2ETDDD89Scientific Method6A1F3E	TSRT10	Automatic Control - Project Course	12*	A1F	4	E
TATA32 Discrete Mathematics 8* G1N 3 E TATA62 Project - Applied Mathematics 12* A1F 4 E TATA71 Ordinary Differential Equations and Dynamical Systems 6 G2F 2 E TATA75 Theory of Relativity 6* A1F 3 E TBMI02 Medical Image Analysis 6 A1N 1 E TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering 12* A1N 1 E TDDD37 Database Technology 6 G2F 1 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1N 2 E TDDD89 Scientific Method 6 A1F 3 E	TSTE28	Power Electronics	6	A1N	3	E
TATA62Project - Applied Mathematics12*A1F4ETATA71Ordinary Differential Equations and Dynamical Systems6G2F2ETATA75Theory of Relativity6*A1F3ETBMI02Medical Image Analysis6A1N1ETBMT14Biomedical Engineering - Project Course12*A1F4ETDDC88Software Engineering12*A1N1ETDDD37Database Technology6G2F1ETDDD49Programming in C# and .NET Framework4G2F3ETDDD56Multicore and GPU Programming6A1N2ETDDD89Scientific Method6A1F3E	Period 2					
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TATA71 Systems TATA75 Theory of Relativity 6* A1F 3 E TBMI02 Medical Image Analysis 6 A1N 1 E TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering 12* A1N 1 E TDDD37 Database Technology 6 G2F 1 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1N 2 E TDDD89 Scientific Method 6 A1F 3 E	TATA62	Project - Applied Mathematics	12*	A1F	4	Е
TBMI02Medical Image Analysis6A1N1ETBMT14Biomedical Engineering - Project Course12*A1F4ETDDC88Software Engineering12*A1N1ETDDD37Database Technology6G2F1ETDDD49Programming in C# and .NET Framework4G2F3ETDDD56Multicore and GPU Programming6A1N2ETDDD89Scientific Method6A1F3E	TATA71		6	G2F	2	E
TBMT14 Biomedical Engineering - Project Course 12* A1F 4 E TDDC88 Software Engineering 12* A1N 1 E TDDD37 Database Technology 6 G2F 1 E TDDD49 Programming in C# and .NET Framework 4 G2F 3 E TDDD56 Multicore and GPU Programming 6 A1N 2 E TDDD89 Scientific Method 6 A1F 3 E	TATA75	Theory of Relativity	6*	A1F	3	E
TDDC88Software Engineering12*A1N1ETDDD37Database Technology6G2F1ETDDD49Programming in C# and .NET Framework4G2F3ETDDD56Multicore and GPU Programming6A1N2ETDDD89Scientific Method6A1F3E	TBMI02	Medical Image Analysis	6	A1N	1	E
TDDD37Database Technology6G2F1ETDDD49Programming in C# and .NET Framework4G2F3ETDDD56Multicore and GPU Programming6A1N2ETDDD89Scientific Method6A1F3E	TBMT14	Biomedical Engineering - Project Course	12*	A1F	4	Е
TDDD49Programming in C# and .NET Framework4G2F3ETDDD56Multicore and GPU Programming6A1N2ETDDD89Scientific Method6A1F3E	TDDC88	Software Engineering	12*	A1N	1	Е
TDDD56 Multicore and GPU Programming 6 A1N 2 E TDDD89 Scientific Method 6 A1F 3 E	TDDD37	Database Technology	6	G2F	1	E
TDDD89 Scientific Method 6 A1F 3 E	TDDD49	Programming in C# and .NET Framework	4	G2F	3	Е
	TDDD56	Multicore and GPU Programming	6	A1N	2	Е
TDDE01 Machine Learning 6 A1N 1 E	TDDD89	Scientific Method	6	A1F	3	E
	TDDE01	Machine Learning	6	A1N	1	E



Course code	Course name	Credits	Level	Timetable module	ECV
TDDE16	Text Mining	6	A1F	2	E
TFYA39	Semiconductor Technology	6	A1N	3	E
TFYA40	Analytical Mechanics	6*	A1N	3	E
TFYA90	Computational Physics	6	A1F	4	E
TFYA99	Project Course in Applied Physics, CDIO	12*	A1F	4	Е
TFYB02	Elementary Particles and Quantum Fields	6	A1F	1	E
TMME50	Flight Mechanics	6	A1N	2	E
TNE083	Antenna Theory	6	A1F	2	E
TNE089	Electromagnetic Compatibility (EMC) and Printed Circuit Board (PCB) Design	6*	A1N	1	E
TNM116	eXtended Reality (XR) - Principles and Programming	6	A1N	2	E
TPPE61	Financial Optimization	6	A1F	2	E
TSBB11	Images and Graphics, Project Course CDIO	12*	A1F	4	E
TSBK03	Advanced Game Programming	6*	A1N	1	E
TSEA26	Design of Embedded DSP Processor	6	A1N	2	E
TSEA84	Digital Design Project	6*	A1F	3	E
TSEA85	Hardware Design for Machine Learning Acceleration	6	A1F	1	E
TSEK07	Test and measurement of integrated circuits	6	A1F	1	E
TSKS23	Project Course in Signal Processing, Communications and Networking, CDIO	12*	A1F	4	E
TSRT08	Optimal Control	6	A1N	3	E
TSRT10	Automatic Control - Project Course	12*	A1F	4	E
TSTE26	Powergrid and Technology for Renewable Production	6	A1N	4	E
TSTE85	Low Power Electronics	6	A1N	2	E



$Specialisation: Applied \ Physics - Materials \ and \ Nano \ Physics - Preliminary \\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFYA99	Project Course in Applied Physics, CDIO	12*	A1F	4	С
TFYM03	Nanophysics	6	A1F	3	E
Period 2					
TFYA99	Project Course in Applied Physics, CDIO	12*	A1F	4	С
TFYA39	Semiconductor Technology	6	A1N	3	E
TFYA90	Computational Physics	6	A1F	4	E

Specialisation: Applied Physics - Theory, Modelling and Computation — Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFYA40	Analytical Mechanics	6*	A1N	1	С
TFYA99	Project Course in Applied Physics, CDIO	12*	A1F	4	С
Period 2					
TFYA40	Analytical Mechanics	6*	A1N	3	С
TFYA99	Project Course in Applied Physics, CDIO	12*	A1F	4	С
TFYB01	Advanced Electromagnetics	6	A1N	2	Е
TFYB02	Elementary Particles and Quantum Fields	6	A1F	1	E

Specialisation: Biomedical Engineering - Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TBMT14	Biomedical Engineering - Project Course	12*	A1F	4	С
TAMS39	Multivariate Statistical Methods	6	A1N	4	E
TATM38	Mathematical Models in Biology	6	A1N	3	E
TBMT57	Biomedical Optics	6	A1F	1	E
Period 2					
TBMT14	Biomedical Engineering - Project Course	12*	A1F	4	С
TBMI02	Medical Image Analysis	6	A1N	1	Е



Specialisation: Communication-Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSIN01	Information Networks	6	A1N	3	С
TSKS23	Project Course in Signal Processing, Communications and Networking, CDIO	12*	A1F	4	С
TSEK03	Radio Frequency Integrated Circuits	6	A1F	2	Е
TSIT03	Cryptology	6	A1N	2	Е
TSKS12	Modern Channel Coding, Inference and Learning	6	A1N	1	E
Period 2					
TSKS23	Project Course in Signal Processing, Communications and Networking, CDIO	12*	A1F	4	С
TSKS38	Distribuerad informationsbehandling och maskininlärning	6	A1N	2	E

$Specialisation: Control\ and\ Information\ Systems-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TATA62	Project - Applied Mathematics	12*	A1F	4	C/E
TSRT10	Automatic Control - Project Course	12*	A1F	4	C/E
TDTS06	Computer Networks	6	G2F	1	Е
TSFS12	Autonomous Vehicles - Planning, Control, and Learning Systems	6	A1N	1	E
Period 2					
TATA62	Project - Applied Mathematics	12*	A1F	4	C/E
TSRT10	Automatic Control - Project Course	12*	A1F	4	C/E
TSRT08	Optimal Control	6	A1N	3	E



Specialisation: Data Science and Machine Intelligence — Preliminary courses

Specialisation. Data Science and Machine Intelligence—Treatminary courses					
Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSBB11	Images and Graphics, Project Course CDIO	12*	A1F	4	C/E
TSKS23	Project Course in Signal Processing, Communications and Networking, CDIO	12*	A1F	4	C/E
TAMS39	Multivariate Statistical Methods	6	A1N	4	Е
TAOP34	Large Scale Optimization	6	A1N	3	Е
TDDE15	Advanced Machine Learning	6	A1F	1	Е
TSBB06	Multidimensional Signal Analysis	6*	A1N	2	E
TSBB08	Digital Image Processing	6	A1N	4	E
TSDT14	Signal Theory	6	A1N	1	E
TSKS12	Modern Channel Coding, Inference and Learning	6	A1N	1	E
Period 2					
TDDD89	Scientific Method	6	A1F	3	С
TSBB11	Images and Graphics, Project Course CDIO	12*	A1F	4	C/E
TSKS23	Project Course in Signal Processing, Communications and Networking, CDIO	12*	A1F	4	C/E
TBMI02	Medical Image Analysis	6	A1N	1	Е
TDDD37	Database Technology	6	G2F	1	Е
TDDE16	Text Mining	6	A1F	2	Е
TSBB06	Multidimensional Signal Analysis	6*	A1N	3	E
TSKS38	Distribuerad informationsbehandling och maskininlärning	6	A1N	2	E
TSRT78	Digital Signal Processing	6	A1F	2	E



Specialisation: Electronics - Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TNE071	Microwave Engineering	6	A1N	1	E
TNE089	Electromagnetic Compatibility (EMC) and Printed Circuit Board (PCB) Design	6*	A1N	2	E
TSEA84	Digital Design Project	6*	A1F	1	E
TSEK03	Radio Frequency Integrated Circuits	6	A1F	2	E
TSTE28	Power Electronics	6	A1N	3	E
Period 2					
TSEK07	Test and measurement of integrated circuits	6	A1F	1	С
TNE083	Antenna Theory	6	A1F	2	E
TNE089	Electromagnetic Compatibility (EMC) and Printed Circuit Board (PCB) Design	6*	A1N	1	E
TSEA26	Design of Embedded DSP Processor	6	A1N	2	E
TSEA84	Digital Design Project	6*	A1F	3	E
TSEA85	Hardware Design for Machine Learning Acceleration	6	A1F	1	E
TSTE26	Powergrid and Technology for Renewable Production	6	A1N	4	E
TSTE85	Low Power Electronics	6	A1N	2	E



$Specialisation: Engineering\ Mathematics-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TATA62	Project - Applied Mathematics	12*	A1F	4	C/E
TSRT10	Automatic Control - Project Course	12*	A1F	4	C/E
TATA75	Theory of Relativity	6*	A1F	-	E
TATM38	Mathematical Models in Biology	6	A1N	3	E
TDDD38	Advanced Programming in C++	6*	A1N	2	E
TFYA40	Analytical Mechanics	6*	A1N	1	E
TPPE53	Financial Valuation Methodology	6	A1F	2	E
Period 2					
TATA62	Project - Applied Mathematics	12*	A1F	4	C/E
TSRT10	Automatic Control - Project Course	12*	A1F	4	C/E
TATA71	Ordinary Differential Equations and Dynamical Systems	6	G2F	2	E
TATA75	Theory of Relativity	6*	A1F	3	E
TDDD38	Advanced Programming in C++	6*	A1N	1	E
TFYA40	Analytical Mechanics	6*	A1N	3	E
TPPE61	Financial Optimization	6	A1F	2	E

Specialisation: Financial Mathematics - Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TATA62	Project - Applied Mathematics	12*	A1F	4	С
TPPE53	Financial Valuation Methodology	6	A1F	2	С
Period 2					
TATA62	Project - Applied Mathematics	12*	A1F	4	С
TPPE61	Financial Optimization	6	A1F	2	С



$Specialisation: Mechanics\ and\ Control-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSRT10	Automatic Control - Project Course	12*	A1F	4	С
TFYA40	Analytical Mechanics	6*	A1N	1	E
TSFS12	Autonomous Vehicles - Planning, Control, and Learning Systems	6	A1N	1	E
Period 2					
TSRT10	Automatic Control - Project Course	12*	A1F	4	С
TFYA40	Analytical Mechanics	6*	A1N	3	E
TMME50	Flight Mechanics	6	A1N	2	E
TSRT08	Optimal Control	6	A1N	3	E

$Specialisation: Photonics\ and\ Quantum\ Technology-Preliminary\ courses$

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TFYA99	Project Course in Applied Physics, CDIO	12*	A1F	4	С
TBMT57	Biomedical Optics	6	A1F	1	E
TFYM03	Nanophysics	6	A1F	3	E
TSIT03	Cryptology	6	A1N	2	E
TSIT13	Quantum Communication	6	A1N	1	E
Period 2					
TFYA99	Project Course in Applied Physics, CDIO	12*	A1F	4	С
TSIT02	Computer Security	6	G2F	2	E



Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TDTS08	Advanced Computer Architecture	6	A1N	2	Е
TSEA84	Digital Design Project	6*	A1F	1	E
Period 2					
TDDD56	Multicore and GPU Programming	6	A1N	2	E
TSEA84	Digital Design Project	6*	A1F	3	E
TSEA85	Hardware Design for Machine Learning Acceleration	6	A1F	1	E
TSEK07	Test and measurement of integrated circuits	6	A1F	1	Е
TSIT02	Computer Security	6	G2F	2	E
TSTE85	Low Power Electronics	6	A1N	2	E

Semester 10 (Spring 2028)

Preliminary courses

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TQXX33	Degree project - Master's Thesis	30*	A2E	-	С
Period 2					
TQXX33	Degree project - Master's Thesis	30*	A2E	-	С

ECV = Elective / Compulsory /Voluntary
*The course is divided into several semesters and/or periods



Common rules

Structure and organisation of study programmes

The contents and design of the programmes are to be continuously revised such that new knowledge is integrated into courses and specialisations. Within one programme, several study specialisations or profiles may be available. The identities of the study specialisations or profiles and the regulations governing how these may be selected are given in the syllabus and curriculum for the particular field of study and programmes.

The structure and organisation of the programmes are to follow specified criteria that are summarised in the syllabus for each programme.

- The syllabus defines the aims of the study programme.
- The curriculum, which constitutes one part of the syllabus for the field of study, gives details of the terms in which the various courses have been timetabled, and their scheduling through the academic year.
- The course syllabus specifies, among other things, the aim and contents of the course, and the prior knowledge that a student must have, in addition to the admission requirements for the programme, in order to be able to benefit from the course.

Qualification requirements

The qualification requirements specified in the Higher Education Ordinance 2007 apply to students admitted after 1 July 2007. A student who has completed components of a programme after 1 July 2007 has the right to be assessed with respect to the qualification requirements specified by the Higher Education Ordinance 2007. In addition, local regulations laid down by the faculty boards and university board apply, see

http://styrdokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund_och_avancerad_niva/Examina.

Higher Education Act Chapter 1, Section 8:

First-cycle courses and study programmes are to develop:

- the ability to make independent and critical assessments
- the ability to identify, formulate and solve problems autonomously, and
- the preparedness to deal with changes in working life.

In addition to knowledge and skills in their field of study, students shall develop the ability to:

- gather and interpret information at a scholarly level
- stay abreast of the development of knowledge, and
- communicate their knowledge to others, including those who lack specialist knowledge in the field.



Qualifications within a study programme

Qualification requirements that are specific to a study programme are given in the syllabus for that programme.

Admission requirements and matriculation and postponement of matriculation

A person who has been accepted for a study programme is to start their studies (matriculate) in the term that is specified in the decision about admission. The date and location of the compulsory matriculation procedure will be communicated to those admitted to the first term of the programme.

Regulations concerning admission requirements, matriculation and postponement of matriculation have been laid down in the admission regulations for Linköping University,

http://styrdokument.liu.se/Regelsamling/VisaBeslut/622645.

Admission to a later part of a programme

Admission to a part of a study programme is used here to refer to admission with the purpose of completing the programme and taking a degree. Admission to a later part of a programme may take place only if sufficient resources and space on the programme are available. Furthermore, the applicant must satisfy the entry requirements for the relevant term of the programme, as specified in http://styrdokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund_och_avancerad_niva/Tekniska_fakulteten.

Interruption in studies

Notification of an interruption in studies is to be made through a web form Forms. If such a notification is not made and if the student does not do a course registration during the first term during which the interruption is to take place, the interruption will be considered to be a withdrawal. An interruption in studies must cover a complete term, and notification of interruptions can be given for a maximum of two consecutive terms. Notification of resumption of studies is to take place at the course registration for the term that follows the interruption.

A student who is taking an interruption in studies may during this period retake examinations. The student is responsible that registration for courses is carried out at the correct times in preparation for the resumption of studies.

Withdrawal from a study programme

A student who wishes to withdraw from a study programme must notify the study guidance counsellor. A student who leaves the studies without giving notification of an interruption in study and who fails to register on a course for the immediately subsequent term is considered to have withdrawn. A student who has withdrawn may return to the study programme if a vacancy is available that is not



required for students returning after an interruption in study, and not required for students who are changing their location of study and/or study programme.

Courses within a study programme

The curriculum for the various years of a study programme specify which courses are mandatory (m), elective (e) and voluntary (v). If a student wishes to study a different combination than the one specified in the curriculum, an application must be made to the faculty programme board.

Voluntary courses

The course specified as voluntary (labelled with "v") in the programme syllabus are assessed solely as voluntary courses, and credits from these may not contribute to the requirements for a degree.

Courses from another study programme or third-cycle courses

To include courses in a degree from another study programme or third-cycle courses, the student need to apply to and be granted this from the faculty programme board. If such a decision is not taken, such courses are regarded as voluntary courses.

When selecting a course from another programme, the admission requirements specified in the course syllabus should be satisfied.

Admission is granted to the extent that resources allow, provided that places are available on the course.

Admission to third-cycle courses requires studies at Master's level, i.e. year 4-5 or admitted to a Master's programme. Information can be obtained from the relevant director of advanced studies.

Students taking a master's programme in engineering

Students taking a master's programme in engineering can apply to take courses given in Term 7 and later terms of the programme from all engineering master's programmes. Admission to courses at Term 7 or higher requires the possession of at least 150 credits within the programme to which the student has been admitted.

Students taking a Bachelor of Science (Engineering)

Students taking Bachelor of Science (Engineering) degrees may apply to take courses specified in the programme syllabuses of all Bachelor of Science (Engineering) programmes.

Students taking a Bachelor of Science

Students taking Bachelor of Science degrees may apply to take courses specified in the programme syllabuses of all Bachelor of Science programmes.

Single-subject courses, courses from other faculties, or other



Higher Education Institutions

To include single-subject courses, courses from another faculty, or courses from other Higher Education Institutions in a degree, the student need to apply to and be granted this from the faculty programme board.

Registration for programme courses

Registration for courses that are given as part of a study programme must be made during the specified period, which has been preliminarily set to 1-10 April for the autumn term, and 1-10 October for the spring term. Information about course registration is published on the Study councellors webpages or in programme rooms, sent to students by email, and disseminated at scheduled information meetings.

Registration for programme courses as single-subject courses

Admission to a programme course as a single-subject subject course may take place only if sufficient resources and space on the course are available. Furthermore, the applicant must satisfy the entry requirements for the relevant course.

In the event of a scarcity of resources, the board of LiTH can decide to limit the possibilities of taking courses that are part of a programme as freestanding courses.

Study planning

Students who require support in planning their continued studies can contact the study guidance counsellor of the programme. Study planning involves the student and the study guidance counsellor together drawing up an individual plan for studies during the subsequent term. The individual plan may allow the student to deviate from the general curriculum.

Completed first-cycle courses are a precondition for successful studies at more advanced levels. For this reason, study planning is based on giving priority to courses from earlier years of study that have not been completed. If further capacity is available, new courses may be taken.

Study planning takes place on a regular basis if the student:

- does not satisfy the requirements for progression to later terms. In order for a student to be able to participate in courses from later years in such cases, a decision of exemption is required.
- does not satisfy the requirements for starting a degree project.

Other situations in which study planning may be required:



- A student has fallen behind during the early part of a study programme and has failed to complete several courses.
- A student has not satisfied the entry requirements for a degree project before term 6 of an engineering degree.
- A student has applied for admission to a later part of a programme.
- Studies have been carried out abroad.
- A study programme is to be resumed after an interruption.

In these cases the study guidance counsellor supports the student in planning the continued studies, also in situations in which the student can register for the relevant courses without the need for a special decision for the continued studies.

Part of education abroad

Students can exchange study at LiTH for study at an institute of higher education abroad, and/or work on a degree project abroad.

In the event that study (courses) at LiTH are exchanged for study abroad, the faculty programme director is responsible for a decision about a preliminary individual study plan, which is to be drawn up in advance. After the exchange, the student apply to credit completed courses from the exchange into their degree. The guideline for credit assessment in an exchange is that the courses should be in line with the program's orientation.

Regulations for entry requirements, ranking and nomination for study abroad through LiTH's exchange agreements and for the compulsory study abroad period within Ii (Industrial Engineering and Management – International) and Yi (Applied Physics and Electrical Engineering – International) can be found at: http://styrdokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund_och_avancerad_niva/Tekniska_fakulteten.

Regulations for compulsory study abroad for Ii & Yi through exchange agreements arranged by the Faculty of Science and Engineering at Linköping University

Students taking the master's programmes Industrial Engineering and Management – International and Applied Physics and Electrical Engineering – International must study for one academic year at a university located in the relevant language region for the programme. At least 30 credits of the 60 that the year abroad constitutes must be taken in the language of specialisation of the programme, and it must be possible to use the credits obtained in the study programme. Regulations for the compulsory components of the programme to be taken abroad are available (in Swedish) at

http://styrdokument.liu.se/Regelsamling/VisaBeslut/755476.

Degree project for Master's Degree in Engineering 300 credits, Master of Science (Two years), Master of Philosophy (Two years),



Master of Science (One year), and master's degrees without prefix

General provisions for the degree project are given here. A specific faculty programme board may have supplementary regulations that are specific for a study programme. These are specified, where relevant, in the syllabus for the field of education and/or the degree project. Information about application, reflection documents, possible examiners etc. can be found at Information.

General provisions

To be awarded a Master's Degree in Engineering 300 credits, Master of Science (Two years), Master of Philosophy (Two years), Master of Science (One year), or master's degree without prefix a student must carry out an approved degree project. The components of the degree project are described in the relevant course syllabus.

Aim

The aim of the degree project is described in the relevant course syllabus, https://liu.se/studieinfo/en.

Extent

Requirements for the extent of the degree project for each type of degree are given in the syllabus of the study programme.

Locations for a degree project

The work is carried out in the form of:

- an internal degree project located at one of the participating departments at LiU
- an external degree project located at a company, government agency, or other organisation in Sweden or abroad, that an examiner has assessed is able to manage a degree project that satisfies the requirements, or
- a degree project within an exchange agreement in association with study abroad, whereby all study results are to be credited to the student by the relevant faculty programme board.

The main subject areas that are permitted within each study programme are described in the programme syllabus. Any individual subjects that may be relevant to the main subject area are to be determined by the relevant faculty programme board.

The examiner for a degree project within a certain subject area are determined by the faculty programme board that is responsible for general degrees within the main subject area. An up-to-date list is given at <u>Information</u>.

Degree projects within agreements relating to study abroad

During study abroad that takes place within the framework of an agreement, the provisions of the host institute relating to degree projects are applied. The student is to consult the faculty programme board and together ensure that the proposed



degree project is carried out in a main subject area that is permitted within the study programme. Approved main subject areas for degree projects are specified in the syllabus for the relevant programme.

A certificate confirming that the degree project has been approved and a copy of the degree project thesis (in PDF format) are to be submitted to the relevant faculty programme board.

Selection of degree project

A degree project is to be selected in consultation with an examiner, who is also responsible that the specialisation, extent and level of the project satisfy the requirements specified in the course syllabus.

In cases in which issues relating to work-related copyright, patenting or remuneration may arise, provisions governing these should be established in advance. A student working on a degree project may sign a confidentiality agreement in order to obtain access to confidential information necessary for the degree project. The supervisor and examiner, however, determine whether they are prepared to sign a confidentiality agreement, and thus the confidential information must not normally be of such nature that it is necessary to supervise or grade the work. The complete degree project thesis is to be published during the grading procedure, unless exceptional circumstances prevent this. If any part of the thesis should not be published, this must be approved in advance by the examiner and the relevant head of department. Note that final decisions relating to confidentiality are taken by an administrative court.

Commencement of a degree project

Requirements that must be satisfied before a degree project can be started are given in the currently valid course syllabus, which can be obtained in the relevant programme syllabus at https://liu.se/studieinfo/en.

Notification of a degree project is to be carried out when the degree project starts, at <u>Application</u>. Registration of the degree project is to take place before work commences.

Before the start of the degree project, the examiner is to ensure that the student satisfies the conditions for commencement of the degree project within the relevant main subject area. Support in this can be obtained from the study guidance counsellor, who checks the general requirements for starting the degree project.

The student is also to notify the relevant department of the start of the degree project.

Degree projects in collaboration with another student

In cases in which two students carry out a degree project together, the contribution of each student is to be specified. The extent of the work is to correspond to the extent of two individual projects. The examiner is to ensure that each student has contributed in a satisfactory manner to the work, and that each



student satisfies the requirements for achieving a Pass grade for the degree project.

Degree projects carried out in collaboration between more than two students are not permitted.

Examiners

The examiner must be employed as a teacher at LiU according to the LiU Regulations for Appointments

(https://styrdokument.liu.se/Regelsamling/VisaBeslut/622784). The following teachers can be appointed as examiner: Professor (including Adjunct and Visiting Professor), Associate Professor (including Adjunct), Senior Lecturer (including Adjunct and Visiting Senior Lecturer), Research Fellow, or Postdoc. The examiner must also have the expertise required to examine degree projects (for example through research, supervision or teaching) within the relevant main subject area, and be appointed by the faculty programme board. The faculty programme board can also appoint emerita/emeritus as examiner for a single thesis work.

The examiner is to:

- ensure before the start of the degree project that the student satisfies the conditions for commencement of the degree project within the relevant main subject area. The study guidance counsellor is to check whether the commencement criteria are satisfied and inform the examiner of this
- check whether special admission requirements (where relevant) are satisfied, for example that the student can demonstrate a certain degree of in-depth knowledge within the field relevant for the degree project
- determine the specialisation and principal work of the degree project, based on an assessment of whether the degree project will result in the learning outcomes of the course syllabus being satisfied
- in conjunction with the planning report, check that the student has registered for the degree project and that the student has a supervisor
- pass/fail the planning report
- pass/fail the mid-way assessment
- be responsible that the supervisor or supervisors carry out their duties
- approve the work for presentation
- before the presentation, check that the proposed opponent satisfies the conditions for commencement of the degree project and has attended three thesis presentations
- pass/fail the presentation and the opposition to it
- approve a concluding reflection document
- ensure that a degree project that has been passed satisfies the learning outcomes of the course syllabus and other requirements, and award a grade to the degree project (either G = Pass, or U = Fail).

In cases in which a degree project is carried out jointly by two students with different main subject areas, one examiner in each main subject area must be appointed, where this is necessary.

Supervisors



A student working on a degree project is to have access to an internal supervisor at the department at which the degree project has been registered. The internal supervisor is to have a degree that corresponds at least to the level of the degree project to be supervised. The internal supervisor may, in exceptional circumstances, be the same individual as the examiner. A decision of whether to allow this in a particular case is to be made by the relevant faculty programme board before the degree project is started.

The supervisor is to ensure that the student obtains help with:

- expert support in general questions related to methods, specialist knowledge of the subject, and writing the thesis
- problem formulation, and setting the limits of the work
- scheduling and planning work, and selection of appropriate methods.

If the degree project is being carried out outside of LiTH, an external supervisor from the commissioner is to be appointed.

Planning report

During the first weeks of the degree project, the student is to draw up a planning report that contains:

- a preliminary title of the degree project
- a preliminary statement of the research question, against the background of a literature search
- a preliminary description of the approach to be taken
- planned literature foundation
- a schedule for the execution of the degree project, including suggested dates for the mid-way assessment and presentation.

Formulation of the research question is to be bounded, realistic and viewed from a perspective of societal or commercial benefit. The term "societal" is to be understood here to include universities and university colleges.

Mid-way assessment

Approximately half-way through the degree project, the student is to describe to the examiner at a mid-way assessment how the work is progressing relative to the planning report. The supervisor should also participate. The form of the mid-way assessment may be anything from an oral presentation to a public seminar. The conclusion of the mid-way assessment may be one of three possibilities:

- 1. The work has been carried out essentially as planned, and can continue as planned. The mid-way assessment has been passed.
- 2. The work has been carried out with certain deviations from the planning report. It is, however, believed that it will be possible to complete the work with minor adjustments to the formulation of the research question, approach and/or schedule. The mid-way assessment has been passed.
- 3. The work has deviated from the planning report in a significant manner, and there is a risk that a Pass grade cannot be given. The mid-way assessment has been failed. A new planning report must be drawn up and a



new mid-way assessment carried out.

Reporting

Both oral and written reports of the degree project are to be made, in Swedish or English. For the international Master's programmes, both the oral and written examination should be made in English. The faculty programme board can allow the reporting to be carried out in another language than Swedish or English.

The oral presentation is to take place in public, unless there are exceptional circumstances that this should not be done. The written report is to be in the form of a professionally produced degree project thesis. The presentation and thesis are to follow the instructions given below.

Presentation

The oral presentation is to take place when the examiner considers that the work has been completed and is ready to be presented. The presentation is to take place on site at LiU at a time when other students can attend. This means that the presentation can take place on a date that the student has agreed with the examiner, normally between the re-examination period in August and midsummer, and after the student has attended three thesis presentations.

The oral presentation is to describe the background to the problem that has been studied, describe the methods used, and present the results and conclusions. The presentation is to be at a level suitable for everyone present, not just for specialists. After the oral presentation, the student is to counter any criticism that the opponent may raise, and allow other participants to pose questions. The presentation and the opposition are to be approved by the examiner. When any required adjustments of the thesis have been made, the reflection document has been approved, and the student has functioned as an opponent for another degree project, the degree project is reported as a passed course and the credits can be used to satisfy the requirements for a qualification.

Degree project thesis

The written degree project report is to be professionally written and comprehensive, and it is to demonstrate a scientific approach. The report must be prepared in accordance with principles for acceptable practice when referring to sources (references or quotations for which the source is specified) when the text, images, ideas, data, etc., of other people are used. It is also to be made clear whether the author has reused his or her own text, images, ideas, data, etc. from previous examinations, such as undergraduate work, project reports, etc. (This is sometimes known as "self-plagiarism".) A failure to specify such sources may be regarded as attempted deception during examination.

The contents are to be easy to understand, and the way in which material is presented is important. It must describe the background to the project and the formulation of the research question. The choice of approach is to be clearly explained, and the thesis should make clear the coupling between the results and the conclusions. Commonly accepted scientific methods are to be used for processing the results. The discussion is to be comprehensive, and demonstrate



that the student masters analytical thought processes. The thesis is to demonstrate good mastery of the literature in the field, and include an abstract. Theses that are principally written in Swedish should contain a summary in English. A publication-ready manuscript and a reflection document covering the work undertaken are to be submitted to the examiner within 10 days after the oral presentation. The examiner may grant an exemption from this requirement. If final versions of the required documents are not submitted as stipulated, the examiner may determine that the presentation is to be rescheduled.

The Faculty of Science and Engineering (Institute of Technology) at Linköping University recommends that degree project theses be published.

Opposition

An oral opposition is to be carried out in connection with the student's own presentation of his or her thesis, i.e. at the end of the own studies, and is to take place on site at LiU. The opposition is made on other degree projects at the same level and of the same extent as the own degree project. The opponent must also have attended three thesis presentations as a member of the audience. In a normal case, the number of opponents will be the same as the number of respondents. In exceptional cases, the examiner may decide that this is not to be the case. Acting as an opponent during the thesis presentation of another student is subject to points-based assessment as described in the course syllabus.

The opponent is to:

- discuss and comment on the selection of methods, results and (where relevant) data processing, conclusions, possible alternative solutions and conclusions, and the management of literature
- comment on the general arrangement of the degree project thesis and related, formal aspects of style, and comment on the oral presentation technique
- illuminate the strengths and weaknesses of the thesis.

The duration of the opposition should be approximately the same as that of the presentation, and it is to include a discussion in which the student presenting the thesis replies to and comments on the criticism raised by the opponent.

Unless otherwise agreed, at least one week before the presentation the opponent is to present in writing to the examiner the important issues that will be discussed, and the structure of the opposition that will be taken. The opponent and the examiner discuss the structure that the opponent has drawn up.

Attendance at presentations

A student is to attend presentations of degree project theses as described in the course syllabus. The presentations attended must be at the same level or a higher level than the degree project of the student.

It is advantageous that one of the presentations attended is a licenciate degree seminar or a doctoral disputation. The student is responsible for ensuring that a certification of attendance at the presentation is obtained and passed to the



departmental administrator for registration in Ladok. Attendance at such presentations is a component of the degree work that is subject to points-based assessment.

The occasions on which a student attends presentations are to be completed before the student presents the degree project thesis. The course syllabus for the degree project describes the scheduling of the attendance at presentations.

The attendance at presentations is to take place on site at LiU. It is not possible to participate remotely.

Reflection document

A document reflecting on the work that has been carried out is to be submitted to the examiner within 10 working days of the oral presentation. Instructions for preparing a reflection document can be reached through Reflection document.

Grades

The degree project is graded as either Pass or Fail. In order for a student to obtain a pass grade for the degree project, all components must be completed and be awarded a pass grade.

Right to obtain supervision

It is expected that the student complete and pass a degree project within specified time limits. The department is required to provide supervision for a maximum of 18 months after the student has registered the degree project in Ladok. The examiner may grant additional supervision after this period in special cases. If the examiner determines that supervision is to be ended, the degree project is to be awarded a Fail grade. The examiner does not have to fail the degree project if it is considered possible that the student can finish the thesis without further supervision.

If the degree project is awarded a Fail grade for the reason described above or for any other reason, the student is to be directed towards carrying out a further degree project. However, carrying out a new degree project means very limited opportunities for supervision.

Quality assurance

The relevant faculty programme board has overall responsibility for the quality of study programmes. This responsibility covers also degree projects. Quality assurance is to be carried out as determined by the faculty board.

Exemptions

If there are exceptional circumstances, an exemption can be granted from the above regulations.

Exemption to replace the oral opposition with a detailed written opposition can be granted after approval by the faculty programme board when all other elements for the degree have been fulfilled, the degree project has been submitted and there



are exceptional circumstances. It is the examiner who applies to the faculty programme board for an exemption for written opposition.

Written opposition can be carried out in any of the following ways:

- The student makes a written opposition to a work done by another student, whose examiner then examines the opposition
- The student's examiner instructs the person in question to make a written opposition to a degree project that has already been examined by the examiner.

In the case of a written opposition, there is no need for an initial account of the structure of the opposition.

Exemption from conducting the oral opposition on site at LiU (and instead conducting it remotely) with reference to exceptional circumstances is given by the examiner. Examples of exceptional circumstances are the lack of a visa to come to Sweden.

Exemption from carrying out presentation on site at LiU (and instead conducting it remotely) can be granted by the respective faculty programme board if there are exceptional circumstances. Examples of exceptional circumstances are the lack of a visa to come to Sweden.

Degree projects (included in Term 6 of study programmes in engineering)

General provisions

All study programmes in engineering (with the exception of the programme in Industrial Engineering and Management – International and the programme in Applied Physics and Electrical Engineering – International) have since 2014 included an obligatory degree project. The project undertaken may also be included as part of the Bachelor of Science (Technology). During Term 6 of each programme, one or several special courses are given that constitute degree projects. The syllabuses of these courses contain course-specific provisions, which are supplemented with the general provisions given below.

Aim

The degree project is to contribute to general and programme-specific objectives of the study programmes in engineering being achieved. Specific learning outcomes are given in the relevant course syllabus. In addition, the degree project has also the following learning outcomes, which are common to all degree project-based courses at LiTH:

- Knowledge of the subject After carrying out the degree project, the student is expected to master the following:
 - \circ integrating in a systematic manner the knowledge gained during the period of study



- applying methodological knowledge and subject-specific knowledge within the main subject area
- assimilating the contents of relevant technical publications and relating the study to such contents.
- Personal and professional skills

After carrying out the degree project, the student is expected to possess the following skills:

- formulating research questions and limiting the same, within a specified time schedule
- seeking and evaluating scientific literature.
- Working and communicating in a group After carrying out the degree project, the student is expected to possess the following skills:
 - planning, executing and presenting independent work in the form of a project carried out in a group
 - o expressing oneself professionally, in writing and orally
 - critically examining and discussing independent work presented in speech and in writing.
- Engineering fundamentals
 After carrying out the degree project, the student is expected to master the following:
 - o creating, analysing and/or evaluating technical solutions
 - making assessments that consider relevant scientific, societal and ethical aspects.

Degree projects undertaken while studying abroad

During study abroad, an individual plan is to be drawn up together with the faculty programme director to determine how the requirements for a degree project in engineering can be satisfied.

Commencing a degree project

Before a student commences a degree project, the following requirements must be satisfied:

- The student must have a minimum of 90 credits obtained from courses from Terms 1-4 of the programme (courses taken voluntarily are not counted). This requirement must be satisfied before the end of the third week of study period 2 of the autumn term before the degree project is to be carried out.
- The student must have completed the subject-specific courses listed in the course syllabus for the relevant degree project course. This requirement must be satisfied before the end of the third week of study period 2 of the autumn term before the degree project is to be carried out.
- When assessing whether the requirements have been satisfied, individual decisions (such as those taken in association with admission to subsequent parts of the programme) are to be considered.

Registration for a degree project is carried out during the course registration



period 1-10 October in the autumn before the degree project is to be undertaken.

Forms of examination

The examiner for the degree project is responsible for ensuring that examination takes place as specified by the course syllabus, and, where appropriate, carries out the duties of an examiner for degree projects.

The written report of the degree project corresponds to a degree project for a bachelor's degree. This means that it is to be managed in an equivalent manner with respect to publication, unless special circumstances apply.

The report must be prepared in accordance with principles for acceptable practice when referring to sources (references or quotations for which the source is specified) when the text, images, ideas, data, etc., of other people are used. It is also to be made clear whether the author has reused his or her own text, images, ideas, data, etc. from previous examinations, such as undergraduate work, project reports, etc. (This is sometimes known as "self-plagiarism".) A failure to specify such sources may be regarded as attempted deception during examination.

In cases in which several students carry out a degree project together, the contribution of each student is to be specified. The extent of the work for each student is to correspond to that of a degree project. The examiner is to ensure that each student has contributed in a satisfactory manner to the work, and that each student satisfies the requirements for achieving a Pass grade for the degree project.

Course syllabus

A syllabus must be established for each course. The syllabus specifies the aim and contents of the course, and the prior knowledge that a student must have in order to be able to benefit from the course.

Timetabling

Courses are timetabled after a decision has been made for this course concerning its assignment to a timetable module.

Interruption in and deregistration from a course

The LiU decision, Guidelines concerning confirmation of participation in education (Dnr LiU-2020-02256), states that interruptions in study are to be recorded in Ladok. Thus, all students who do not participate in a course for which they have registered must record the interruption, such that the registration on the course can be removed. Deregistration from or interrupting a course is carried out using a web-based form Forms

Cancelled courses and changes to the course syllabus

Courses with few participants (fewer than 10) may be cancelled or organised in a



manner that differs from that stated in the course syllabus. The Dean is to deliberate and decide whether a course is to be cancelled or changed from the course syllabus.

Guidelines relating to examinations and examiners

For details, see Guidelines for education and examination for first-cycle and second-cycle education at Linköping University, Dnr LiU-2020-04501 (http://styrdokument.liu.se/Regelsamling/VisaBeslut/917592).

An examiner must be employed as a teacher at LiU according to the LiU Regulations for Appointments, Dnr LiU-2021-01204 (https://styrdokument.liu.se/Regelsamling/VisaBeslut/622784). For courses in second-cycle, the following teachers can be appointed as examiner: Professor (including Adjunct and Visiting Professor), Associate Professor (including Adjunct), Senior Lecturer (including Adjunct and Visiting Senior Lecturer), Research Fellow, or Postdoc. For courses in first-cycle, Assistant Lecturer (including Adjunct and Visiting Assistant Lecturer) can also be appointed as examiner in addition to those listed for second-cycle courses. In exceptional cases, a Part-time Lecturer can also be appointed as an examiner at both first- and second cycle, see Delegation of authority for the Board of Faculty of Science and Engineering.

Forms of examination

Principles for examination

Written and oral examinations and digital and computer-based examinations are held at least three times a year: once immediately after the end of the course, once in August, and once (usually) in one of the re-examination periods. Examinations held at other times are to follow a decision of the faculty programme board.

Principles for examination scheduling for courses that follow the study periods:

- courses given in VT1 are examined for the first time in March, with reexamination in June and August
- courses given in VT2 are examined for the first time in May, with reexamination in August and January
- courses given in HT1 are examined for the first time in October, with reexamination in January and August
- courses given in HT2 are examined for the first time in January, with reexamination in March and in August.

The examination schedule is based on the structure of timetable modules, but there may be deviations from this, mainly in the case of courses that are studied and examined for several programmes and in lower grades (i.e. 1 and 2).

Examinations for courses that the faculty programme board has decided are to be held in alternate years are held three times during the school year in which the course is given according to the principles stated above.



Examinations for courses that are cancelled or rescheduled such that they are not given in one or several years are held three times during the year that immediately follows the course, with examination scheduling that corresponds to the scheduling that was in force before the course was cancelled or rescheduled.

When a course, or a written examination (TEN, DIT, DAT), is given for the last time, the regular examination and two re-examinations will be offered. Thereafter, examinations are phased out by offering three examinations during the following academic year at the same times as the examinations in any substitute course. If there is no substitute course, three examinations will be offered during re-examination periods during the following academic year. Other examination times are decided by the faculty programme board. In all cases above, the examination is also offered one more time during the academic year after the following, unless the faculty programme board decides otherwise. In total, 6 re-examinations are offered, of which 2 are regular re-examinations. In the examination registration system, the examinations given for the penultimate time and the last time are denoted.

If a course is given during several periods of the year (for programmes, or on different occasions for different programmes) the faculty programme board or boards determine together the scheduling and frequency of re-examination occasions.

Retakes of other forms of examination

Regulations concerning retakes of other forms of examination than written examinations and digital and computer-based examinations are given in the LiU guidelines for examinations and examiners, http://styrdokument.liu.se/Regelsamling/VisaBeslut/917592.

Course closure

For Decision on Routines for Administration of the Discontinuation of Educational Programs, Freestanding Courses and Courses in Programs, see DNR LiU-2021-04782. After a decision on closure and after the end of the discontinuation period, the students are referred to a replacement course (or similar) according to information in the course syllabus or programme syllabus. If a student has passed some part/parts of a closed program course but not all, and there is an at least partially replacing course, an assessment of crediting can be made. Any crediting of course components is made by the examiner.

Registration for examination

In order to take an written, digital or computer-based examination, registration in advance is mandatory, see decision in the university's rule book https://styrdokument.liu.se/Regelsamling/VisaBeslut/622682. An unregistered student can thus not be offered a place. The registration is done at the Student Portal or in the LiU-app during the registration period. The registration period opens 30 days before the date of the examination and closes 10 days before the date of the examination. Candidates are informed of the location of the examination by email, four days in advance.



Code of conduct for students during examinations

Details are given in a decision in the university's rule book: http://styrdokument.liu.se/Regelsamling/VisaBeslut/622682.

Retakes for higher grade

Students at the Institute of Technology at LiU have the right to retake written examinations and digital and computer-based examinations in an attempt to achieve a higher grade. This is valid for all examination components with code "TEN", "DIT" and "DAT". The same right may not be exercised for other examination components, unless otherwise specified in the course syllabus.

A retake is not possible on courses that are included in an issued degree diploma.

Grades

The grades that are preferably to be used are Fail (U), Pass (3), Pass not without distinction (4) and Pass with distinction (5).

- Grades U, 3, 4, 5 are to be awarded for courses that have written or digital examinations.
- Grades Fail (U) and Pass (G) may be awarded for courses with a large degree of practical components such as laboratory work, project work and group work.
- Grades Fail (U) and Pass (G) are to be used for degree projects and other independent work.

Examination components

The following examination components and associated module codes are used at the Faculty of Science and Engineering:

- Grades U, 3, 4, 5 are to be awarded for written examinations (TEN) and digital examinations (DIT).
- Examination components for which the grades Fail (U) and Pass (G) may be awarded are laboratory work (LAB), project work (PRA), preparatory written examination (KTR), digital preparatory written examination (DIK), oral examination (MUN), computer-based examination (DAT), home assignment (HEM), and assignment (UPG).
- Students receive grades either Fail (U) or Pass (G) for other examination components in which the examination criteria are satisfied principally through active attendance such as tutorial group (BAS) or examination item (MOM).
- Grades Fail (U) and Pass (G) are to be used for the examination components Opposition (OPPO) and Attendance at thesis presentation (AUSK) (i.e. part of the degree project).

In general, the following applies:

- Mandatory course components must be scored and given a module code.
- Examination components that are not scored, cannot be mandatory. Hence, it is voluntary to participate in these examinations, and the voluntariness



must be clearly stated. Additionally, if there are any associated conditions to the examination component, these must be clearly stated as well.

• For courses with more than one examination component with grades U,3,4,5, it shall be clearly stated how the final grade is weighted.

For mandatory components, the following applies (in accordance with the LiU Guidelines for education and examination for first-cycle and second-cycle education at Linköping University,

http://styrdokument.liu.se/Regelsamling/VisaBeslut/917592):

• If special circumstances prevail, and if it is possible with consideration of the nature of the compulsory component, the examiner may decide to replace the compulsory component with another equivalent component.

For possibilities to alternative forms of examinations, the following applies (in accordance with the LiU Guidelines for education and examination for first-cycle and second-cycle education at Linköping University, http://styrdokument.liu.se/Regelsamling/VisaBeslut/917592):

- If the LiU coordinator for students with disabilities has granted a student the right to an adapted examination for a written examination in an examination hall, the student has the right to it.
- If the coordinator has recommended for the student an adapted examination or alternative form of examination, the examiner may grant this if the examiner assesses that it is possible, based on consideration of the course objectives.
- An examiner may also decide that an adapted examination or alternative form of examination if the examiner assessed that special circumstances prevail, and the examiner assesses that it is possible while maintaing the objectives of the course.

Reporting of examination results

The examination results for a student are reported at the relevant department.

Plagiarism

For examinations that involve the writing of reports, in cases in which it can be assumed that the student has had access to other sources (such as during project work, writing essays, etc.), the material submitted must be prepared in accordance with principles for acceptable practice when referring to sources (references or quotations for which the source is specified) when the text, images, ideas, data, etc. of other people are used. It is also to be made clear whether the author has reused his or her own text, images, ideas, data, etc. from previous examinations, such as degree projects, project reports, etc. (this is sometimes known as "self-plagiarism").

A failure to specify such sources may be regarded as attempted deception during examination.

Attempts to cheat



In the event of a suspected attempt by a student to cheat during an examination, or when study performance is to be assessed as specified in Chapter 10 of the Higher Education Ordinance, the examiner is to report this to the disciplinary board of the university. Possible consequences for the student are suspension from study and a formal warning. More information is available at Cheating, deception and plagiarism

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at http://styrdokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund_och_avancerad_niva.

