

Industrial Engineering and Management

Study Year 1, Academic Year 2010/11 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	10/11 sp4
FMAA05	15	G1	-	S	Calculus in One Variable		KS KE U W	
MIOA01	9	G1	-	S	Managerial Economics, Basic Course		KS KE U W	
FMA420	6	G1	-	S	Linear Algebra		KS KE U W	
FMA430	6	G1	-	S	Calculus in Several Variables		KS KE U W	
FMEA10	9	G1	-	S	Engineering Mechanics, Basic Course		KS KE U W	
FAFA15	9	G1	-	S	Energy and Environmental Physics		KS KE U W	1
MIO022	6	G2	-	S	Management Organization		KS KE U W	1

Study Year 2, Academic Year 2011/12 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	11/12 sp4
EXTA40	6	G1	-	S	Introduction to Microeconomic Theory		KS KE U W T	
MTTF01	5	G2	-	S	Logistics		KS KE U W T	
FMS012	9	G2	-	S	Mathematical Statistics, Basic Course		KS KE U W T	
MIOF01	9	G2	-	S	Marketing and Globalization		KS KE U W T	
EDA017	9	G1	-	S	Programming, First Course		KS KE U W T	
EMAF01	7	G2	-	S	Mathematics - Analytic Functions		KS KE U W T	
MIO040	6	G2	-	S	Managerial Economics, Advanced Course		KS KE U W T	1
EMAF05	7	G2	-	S	Mathematics - Systems and Transforms		KS KE U W T	1
MIOF05	2	G2	-	S	Project in Managerial Economics, Advanced Course		KS KE U W T	1

Study Year 3, Academic Year 2012/13 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	12/13	12/13	12/13	12/13
								sp1	sp2	sp3	sp4
MIO310	6	G2	-	S	Operations Research – Basic Course		KS KE U W T	1			
MMTA05	6	G1	-	S	Production Systems		KS KE U W T	1			
EMIF01	6	G2	-	S	Environmental System Studies: Management for Sustainable Development		KS KE U W T	1	2		
EXTF45	6	G2	-	S	Financial Management		KS KE U W T		2		
FRT010	7.5	G2	-	E2	Automatic Control, Basic Course	X	KS KE U W T			3	

[FRT010](#) Automatic Control, Basic Course: *13 who will study elective block at University of Connecticut, should register for [FRT010](#) in study period 2, autumn 12.*

Study Year 3, Academic Year 2012/13 (Elective Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	12/13	12/13	12/13	12/13
								sp1	sp2	sp3	sp4
MVKN35	6	A	-	S	Energy Markets	X	KS KE U W T		2		
MMT045	7.5	A	-	S	Flexible Manufacturing Systems	X	KS KE U W T		2		
EITF25	6	G2	X	E2	Internet - Techniques and Applications	X	KS KE U W T		2		
EMA051	6	A	X	E1	Optimization	X	KS KE U W T		2		
FHLA01	6	G1	-	S	Solid Mechanics, Basic Course	X	KS KE U W T		2		
FKM015	7.5	G1	-	S	Materials Engineering, Basic Course	X	KS KE U W T			3	
EDAA01	7.5	G1	-	S	Programming - Second Course	X	KS KE U W T			3	

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links						
							12/13 sp1	12/13 sp2	12/13 sp3	12/13 sp4			
EMI040	7.5	A	-	S	Energy Systems Analysis: Renewable Sources of Energy	X	KS	KE	U	W	T	3	4
EMIN05	7.5	A	-	S	Environmental System Studies: Climate, Science and Politics	X	KS	KE	U	W	T	3	4
EITF11	10	G2	X	E2	Digital Systems, Project Laboratory	X	KS	KE	U	W	T		4
MMT045	7.5	A	-	S	Flexible Manufacturing Systems	X	KS	KE	U	W	T		4
FBR012	7.5	G2	X	E	Fundamental Combustion	X	KS	KE	U	W	T		4
FMN050	6	G2	X	E1	Numerical Analysis	X	KS	KE	U	W	T		4
MMKF05	7.5	G2	X	E2	Product Development and Design Methodology	X	KS	KE	U	W	T		4

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links					
							12/13 sp1	12/13 sp2	12/13 sp3	12/13 sp4		
ETSA01	5	G1	-	S	Software Engineering Process - Methodology	X	KS	KE	U	W	T	4
FMS045	6	G2	-	S	Stationary Stochastic Processes	X	KS	KE	U	W	T	4
FMS047	3	A	-	S	Stationary Stochastic Processes, Project Work	X	KS	KE	U	W	T	4

[MVKN35](#) Energy Markets: *Compulsory course in the elective block 'Energy and Environmental Engineering' for students admitted autumn 2010. The course is also an optional programme course.*

[MMT045](#) Flexible Manufacturing Systems: *Compulsory course in the elective block 'Industrial Product Design' for students admitted autumn 2010. The course is also an optional programme course.*

[EITE25](#) Internet - Techniques and Applications: *Compulsory course in the elective blocks 'Systems and Software Development' for students admitted autumn 2010. The course is also an optional programme course.*

[FMA051](#) Optimization: *Compulsory course in the elective block 'Mathematical Modelling' for students admitted autumn 2010. The course is also an optional programme course.*

[FHLA01](#) Solid Mechanics, Basic Course: *Compulsory course in the elective block 'Industrial Product Design' for students admitted autumn 2010. The course is also an optional programme course.*

[FKM015](#) Materials Engineering, Basic Course: *Compulsory course in the elective block 'Industrial Product Design' for students admitted autumn 2010. The course is also an optional programme course.*

[EDAA01](#) Programming - Second Course: *Compulsory course in the elective blocks 'Mathematical Modelling' and 'Systems and Software Development' for students admitted autumn 2010. The course is also an optional programme course.*

[FMI040](#) Energy Systems Analysis: Renewable Sources of Energy: *Compulsory course in the elective block 'Energy and Environmental Engineering' for students admitted autumn 2010. The course is also an optional programme course.*

[FMIN05](#) Environmental System Studies: Climate, Science and Politics: *Compulsory course in the elective block 'Energy and Environmental Engineering' for students admitted autumn 2010. The course is also an optional programme course.*

[EITE11](#) Digital Systems, Project Laboratory: *Compulsory course in the elective blocks 'Systems and Software Development' for students admitted autumn 2010. The course is also an optional programme course.*

[FBR012](#) Fundamental Combustion: *Compulsory course in the elective block 'Energy and Environmental Engineering' for students admitted autumn 2010. The course is also an optional programme course.*

[FMN050](#) Numerical Analysis: *Compulsory course in the elective block 'Mathematical Modelling' for students admitted autumn 2010. The course is also an optional programme course.*

[MMKF05](#) Product Development and Design Methodology: *Compulsory course in the elective block 'Industrial Product Design' for students admitted autumn 2010. The course is also an optional programme course.*

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[ETSA01](#) Software Engineering Process - Methodology: *Compulsory course in the elective block 'Systems and Software Development' for students admitted autumn 2010. The course is also an optional programme course.*

[FMS045](#) Stationary Stochastic Processes: *Compulsory course in the elective block 'Mathematical Modelling' for students admitted autumn 2010. The course is also an optional programme course. Only one of the courses [FMS045](#) and [FMSF10](#) may be included in a degree.*

[FMS047](#) Stationary Stochastic Processes, Project Work: *Compulsory course in the elective block 'Mathematical Modelling' for students admitted autumn 2010. The course is also an optional programme course.*

Specialisation ai - Business and Innovation

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
INTN01	7.5	A	V		4 - 13/14	4	-	S	Innovation Engineering		KS KE U W T	1
MION25	7.5	A	V		4 - 13/14	4	-	S	Technology Strategy		KS KE U W T	1
MION05	7.5	A	V		4 - 13/14	4	-	S	Business Marketing		KS KE U W T	
INNN05	7.5	A	V		4 - 13/14	4	X	E	Entrepreneurship in New and Established Ventures		KS KE U W T	
MION20	7.5	A	V		4 - 13/14	4	-	S	Applied Business Analysis		KS KE U W T	
INNN01	7.5	A	V		4 - 13/14	4	X	E	Innovation Management		KS KE U W T	
INNN10	7.5	A	V		4 - 13/14	4	X	E	Globalization and Innovation		KS KE U W T	
MAMN30	7.5	A	V		4 - 13/14	3	-	S	Management, Work Organisation and Project Management		KS KE U W T	
MION30	7.5	A	V		5 - 14/15	4	-	S	Industrial Management		KS KE U W T	1

Specialisation fir - Financial Engineering and Risk Management

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
TEK103	7.5	A	V		4 - 13/14	4	X	E	Financial Economics, Advanced Course	X	KS KE U W T	1
FMSF10	7.5	G2	V		4 - 13/14	3	X	E1	Stationary Stochastic Processes	X	KS KE U W T	1
EXTN80	7.5	A	V		4 - 13/14	4	X	E	Economic and Financial Decision-making	X	KS KE U W T	
TEK110	7.5	A	V		4 - 13/14	4	X	E	Economics, Empirical Finance	X	KS KE U W T	
FME170	7.5	G2	V		4 - 13/14	3	X	E	Complex Economy	X	KS KE U W T	
TEK180	7.5	A	V		4 - 13/14	4	X	E	Financial Valuation and Risk Management	X	KS KE U W T	
FMS091	7.5	A	V		4 - 13/14	4	X	E1	Monte Carlo and Empirical Methods for Stochastic Inference		KS KE U W T	
FRTN20	7.5	A	V		4 - 13/14	4	X	E1	Market-driven Systems		KS KE U W T	
FMS155	7.5	A	V		4 - 13/14	4	X	E1	Statistical Modelling of Extreme Values		KS KE U W T	
FMSN25	7.5	A	V		5 - 14/15	4	X	E1	Valuation of Derivative Assets		KS KE U W T	1
FMS161	7.5	A	V		5 - 14/15	4	X	E1	Financial Statistics		KS KE U W T	
FMSN15	7.5	A	V		5 - 14/15	5	X	E1	Statistical Modelling of Multivariate Extreme Values		KS KE U W T	

[TEK103](#) Financial Economics, Advanced Course: *The course is to be studied together with NEKN81, which is given by the Department of Economics. Does not follow the study period structure.*

[FMSF10](#) Stationary Stochastic Processes: *Only one of the courses [FMS045](#) and [FMSF10](#) may be included in a degree.*

[EXTN80](#) Economic and Financial Decision-making: *The course is to be studied together with NEKN22, which is given by the Department of Economics. Does not follow the study period structure.*

[TEK110](#) Economics, Empirical Finance: *The course is to be studied together with NEKN82, which is given by the Department of Economics. Does not follow the study period structure.*

[FME170](#) Complex Economy: *The course is offered every other academic year and will be given in 2013/14, 2015/16.*

[TEK180](#) Financial Valuation and Risk Management: *The course is to be studied together with NEKN83, which is given by the Department of Economics. Does not follow the study period structure.*

Specialisation Ip - Logistics and Production Management

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
MTTN40	7.5	A	V		4 - 13/14	4	X	E	Packaging Technology and Development		KS KE U W T	1
MTTN25	7.5	A	V		4 - 13/14	4	X	E	Warehousing and Materials Handling		KS KE U W T	1
MTTN35	7.5	A	V		4 - 13/14	4	X	E	Packaging Logistics		KS KE U W T	
MIOF10	7.5	G2	V		4 - 13/14	4	-	E	Production and Inventory Control		KS KE U W T	
MTT045	7.5	A	V		4 - 13/14	4	X	E	International Physical Distribution		KS KE U W T	
MION01	7.5	A	V		4 - 13/14	4	X	E	Management of Production and Inventory Systems		KS KE U W T	
MION10	7.5	A	V		4 - 13/14	4	X	E	Production Management		KS KE U W T	
MTT240	7.5	A	V		4 - 13/14	4	X	E	Supply Chain Management		KS KE U W T	
MION40	7.5	A	V		5 - 14/15	4	-	S	Simulation of Industrial Processes and Logistic Systems		KS KE U W T	1
MION35	7.5	A	V		5 - 14/15	4	X	E	Quality and Maintenance Management		KS KE U W T	

Specialisation mf - Supply Chain Management

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
MTTN40	7.5	A	V	4 - 13/14	4	X	E	Packaging Technology and Development		KS KE U W T	1
MTTN25	7.5	A	V	4 - 13/14	4	X	E	Warehousing and Materials Handling		KS KE U W T	1
MTT115	7.5	A	V	4 - 13/14	4	X	E	Industrial Purchasing		KS KE U W T	
MIOF10	7.5	G2	V	4 - 13/14	4	-	E	Production and Inventory Control		KS KE U W T	
MTT045	7.5	A	V	4 - 13/14	4	X	E	International Physical Distribution		KS KE U W T	
MION01	7.5	A	V	4 - 13/14	4	X	E	Management of Production and Inventory Systems		KS KE U W T	
MTT240	7.5	A	V	4 - 13/14	4	X	E	Supply Chain Management		KS KE U W T	
MTTN20	7.5	A	V	5 - 14/15	5	X	E	Supply Chain Information Systems		KS KE U W T	1
MTTN35	7.5	A	V	5 - 14/15	4	X	E	Packaging Logistics		KS KE U W T	
MTTN30	7.5	A	V	5 - 14/15	4	X	E	Process-based Business Development		KS KE U W T	

Specialisation pr - Production Engineering

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
MMT031	7.5	A	V		4 - 13/14	4	-	S	Production Technology		KS KE U W T	1
MTTN25	7.5	A	V		4 - 13/14	4	X	E	Warehousing and Materials Handling		KS KE U W T	1
MMT045	7.5	A	V		4 - 13/14	3	-	S	Flexible Manufacturing Systems	X	KS KE U W T	
MIOF10	7.5	G2	V		4 - 13/14	4	-	E	Production and Inventory Control		KS KE U W T	
MIE080	7.5	G2	V		4 - 13/14	3	X	E1	Automation		KS KE U W T	
MION01	7.5	A	V		4 - 13/14	4	X	E	Management of Production and Inventory Systems		KS KE U W T	
MIE090	7.5	A	V		4 - 13/14	4	X	E1	Automation for Complex Systems		KS KE U W T	
MMT045	7.5	A	V		4 - 13/14	3	-	S	Flexible Manufacturing Systems	X	KS KE U W T	
MION10	7.5	A	V		4 - 13/14	4	X	E	Production Management		KS KE U W T	
MION40	7.5	A	V		5 - 14/15	4	-	S	Simulation of Industrial Processes and Logistic Systems		KS KE U W T	1
MION35	7.5	A	V		5 - 14/15	4	X	E	Quality and Maintenance Management		KS KE U W T	

[MMT045](#) Flexible Manufacturing Systems: *Compulsory course in the elective block 'Industrial Product Design' for students admitted autumn 2011. The course is also an optional programme course.*

Specialisation pvs - Software Intensive Systems

Course Code	Credits	Cycle	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
FRTN10	7.5	A	V		4 - 13/14	4	X	E1	Multivariable Control		KS KE U W T	1
ETSN05	7.5	A	V		4 - 13/14	4	-	S	Software Development for Large Systems		KS KE U W T	1
EDAN10	7.5	A	V		4 - 13/14	4	X	E	Configuration Management		KS KE U W T	
ETS170	7.5	A	V		4 - 13/14	4	X	S	Requirements Engineering		KS KE U W T	
ETSN01	7.5	A	V		4 - 13/14	4	X	E	Advanced Telecommunication		KS KE U W T	
ETS200	7.5	A	V		4 - 13/14	4	X	E	Software Testing		KS KE U W T	
FRTN20	7.5	A	V		4 - 13/14	4	X	E1	Market-driven Systems		KS KE U W T	
ETS061	7.5	A	V		4 - 13/14	4	X	E1	Simulation		KS KE U W T	
EITN35	7.5	A	V		5 - 14/15	4	X	E1	Advanced Course in Electrical and Information Technology	X	KS KE U W T	1
MION25	7.5	A	V		5 - 14/15	4	-	S	Technology Strategy		KS KE U W T	1
EITN35	7.5	A	V		5 - 14/15	4	X	E1	Advanced Course in Electrical and Information Technology	X	KS KE U W T	
EITN35										X		
EITN35										X		

[EITN35](#) Advanced Course in Electrical and Information Technology: *The course starts only after agreement with the department. The course is not linked to any specific study period. The information on hours depends on the course running over a study period. Individual study plans are to be set up and approved.*

Elective Courses - I

Course Code	Credits	Cycle		From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
		Year								
EITN35	7.5	A	4 - 13/14	4	X	E1	Advanced Course in Electrical and Information Technology	X	KS KE U W T	1
ETS052	4.5	G2	4 - 13/14	3	-	S	Computer Communication		KS KE U W T	1
EXTN05	7.5	A	4 - 13/14	3	X	E	Econometrics, Advanced Course	X	KS KE U W T	1
TEK103	7.5	A	4 - 13/14	4	X	E	Financial Economics, Advanced Course	X	KS KE U W T	1
MION30	7.5	A	4 - 13/14	4	-	S	Industrial Management		KS KE U W T	1
INTN01	7.5	A	4 - 13/14	4	-	S	Innovation Engineering		KS KE U W T	1
EMSF15	7.5	G2	4 - 13/14	4	X	E1	Markov Processes		KS KE U W T	1

Course Code	Credits	Cycle		Language			Course Name	Footnote	Links	
		Year	From year	S.Ex. stud.						sp4
EXTF50	7.5	G2	4 - 13/14	4	-	S	Microeconomic Analysis	X	KS KE U W T	1
FRTN10	7.5	A	4 - 13/14	4	X	E1	Multivariable Control		KS KE U W T	1
EDA061	4.5	G2	4 - 13/14	3	-	S	Object-oriented Modelling and Design		KS KE U W T	1
EXTF40	7.5	G2	4 - 13/14	4	-	S	Option Theory	X	KS KE U W T	1
MTTN40	7.5	A	4 - 13/14	4	X	E	Packaging Technology and Development		KS KE U W T	1
EXTF35	7.5	G2	4 - 13/14	4	-	S	Portfolio Selection	X	KS KE U W T	1
MMT031	7.5	A	4 - 13/14	4	-	S	Production Technology		KS KE U W T	1

Course Code	Credits	Cycle		Language			Course Name	Footnote	Links	
		Year	From year	S.Ex. stud.						sp4
ETSN05	7.5	A	4 - 13/14	4	-	S	Software Development for Large Systems		KS KE U W T	1
EMSF10	7.5	G2	4 - 13/14	3	X	E1	Stationary Stochastic Processes	X	KS KE U W T	1
MION25	7.5	A	4 - 13/14	4	-	S	Technology Strategy		KS KE U W T	1
MTTN25	7.5	A	4 - 13/14	4	X	E	Warehousing and Materials Handling		KS KE U W T	1
MTTN55	7.5	A	4 - 13/14	3	X	E	Applied Logistics Simulation		KS KE U W T	1
EMI050	7.5	A	4 - 13/14	3	-	S	Energy Systems Analysis: Energy, Environment and Natural Resources		KS KE U W T	1
GEMA20	7.5	G1	4 - 13/14	1	-	E	English for Engineers		KS KE U W T	1

Course Code	Credits	Cycle		Language			Course Name	Footnote	Links	
		Year	From year	S.Ex. stud.						sp4
MMKA10	5	G1	4 - 13/14	3	X	E	Form, Colour and Product Expression		KS KE U W T	1
GEMA25	7.5	G1	4 - 13/14	1	-	S	German for Engineers		KS KE U W T	1
GEMA50	4.5	G1	4 - 13/14	1	-	S	History of Technology		KS KE U W T	1
GEMA60	7.5	G1	4 - 13/14	1	-	S	Law for Engineers, Introductory Course in Business Law		KS KE U W T	1
GEMA70	15	G1	4 - 13/14	1	-	S	Japanese for Engineers		KS KE U W T	1
EITN35	7.5	A	4 - 13/14	4	X	E1	Advanced Course in Electrical and Information Technology	X	KS KE U W T	
MION05	7.5	A	4 - 13/14	4	-	S	Business Marketing		KS KE U W T	
EDAN10	7.5	A	4 - 13/14	4	X	E	Configuration Management		KS KE U W T	
TEK190	7.5	G2	4 - 13/14	3	-	S	Econometrics	X	KS KE U W T	
EXTN80	7.5	A	4 - 13/14	4	X	E	Economic and Financial Decision-making	X	KS KE U W T	
TEK110	7.5	A	4 - 13/14	4	X	E	Economics, Empirical Finance	X	KS KE U W T	
INNN05	7.5	A	4 - 13/14	4	X	E	Entrepreneurship in New and Established Ventures		KS KE U W T	
FMS161	7.5	A	4 - 13/14	4	X	E1	Financial Statistics		KS KE U W T	
EXTF30	7.5	G2	4 - 13/14	3	-	S	Fixed Income Securities	X	KS KE U W T	

Course Code	Credits	Cycle	Language				Course Name	Footnote	Links	sp4
			Year	From year	S.Ex.	stud.				
MTT115	7.5	A	4 - 13/14	4	X	E	Industrial Purchasing		KS KE U W T	
FMS051	7.5	A	4 - 13/14	4	X	E1	Mathematical Statistics, Time Series Analysis		KS KE U W T	
EXTP15	7.5	A	4 - 13/14	4	-	E	Microeconomics - Individual Choice	X	KS KE U T	
FMNN10	8	A	4 - 13/14	4	X	E1	Numerical Methods for Differential Equations		KS KE U W T	
MTTN35	7.5	A	4 - 13/14	4	X	E	Packaging Logistics		KS KE U W T	
MIOF10	7.5	G2	4 - 13/14	4	-	E	Production and Inventory Control		KS KE U W T	
MION35	7.5	A	4 - 13/14	4	-	S	Quality and Maintenance Management		KS KE U W T	
ETS170	7.5	A	4 - 13/14	4	X	S	Requirements Engineering		KS KE U W T	
EITN35	7.5	A	4 - 13/14	4	X	E1	Advanced Course in Electrical and Information Technology	X	KS KE U W T	
ETSNO1	7.5	A	4 - 13/14	4	X	E	Advanced Telecommunication		KS KE U W T	
MION20	7.5	A	4 - 13/14	4	-	S	Applied Business Analysis		KS KE U W T	
MIE080	7.5	G2	4 - 13/14	3	X	E1	Automation		KS KE U W T	
EMF170	7.5	G2	4 - 13/14	3	X	E	Complex Economy	X	KS KE U W T	
EIT070	6	G2	4 - 13/14	3	-	S	Computer Organization		KS KE U W T	
TEK140	7.5	G2	4 - 13/14	3	X	E	Economics, Industrial Organization	X	KS KE U W T	
MVKN20	7.5	A	4 - 13/14	3	-	S	Energy Utilization		KS KE U W T	
TEK180	7.5	A	4 - 13/14	4	X	E	Financial Valuation and Risk Management	X	KS KE U W T	
INNN01	7.5	A	4 - 13/14	4	X	E	Innovation Management		KS KE U W T	
MTT045	7.5	A	4 - 13/14	4	X	E	International Physical Distribution		KS KE U W T	
MION01	7.5	A	4 - 13/14	4	X	E	Management of Production and Inventory Systems		KS KE U W T	
EXTF50	7.5	G2	4 - 13/14	4	-	S	Microeconomic Analysis	X	KS KE U W T	
EXTP10	7.5	A	4 - 13/14	4	-	E	Microeconomics - Strategic Interaction	X	KS KE U T	
FMS091	7.5	A	4 - 13/14	4	X	E1	Monte Carlo and Empirical Methods for Stochastic Inference		KS KE U W T	
ETIA10	7.5	G1	4 - 13/14	3	X	E	Patent and Intellectual Property Rights		KS KE U W T	
FMSF05	7.5	G2	4 - 13/14	4	X	E1	Probability Theory		KS KE U W T	
ETS200	7.5	A	4 - 13/14	4	X	E	Software Testing		KS KE U W T	
FMSN35	7.5	A	4 - 13/14	4	X	E1	Stationary and Non-stationary Spectral Analysis		KS KE U W T	
GEMA65	7.5	G1	4 - 13/14	1	-	S	Chinese for Engineers		KS KE U T	
EDA216	7.5	G2	4 - 13/14	4	X	S	Database Technology		KS KE U W T	
GEMA20	7.5	G1	4 - 13/14	1	-	E	English for Engineers		KS KE U W T	
GEMA40	7.5	G1	4 - 13/14	1	-	S	Entrepreneurship and Business Development		KS KE U W T	

Course Code	Credits	Cycle		Language			Course Name	Footnote	Links	
		Year	From year	S.Ex. stud.						sp4
GEMA01	7.5	G1	4 - 13/14	1	-	S	French for Engineers: Language, Culture and Society, First Course		KS KE U W T	
MMK070	7.5	G2	4 - 13/14	3	X	E	Industrial Design		KS KE U W T	
GEMA60	7.5	G1	4 - 13/14	1	-	S	Law for Engineers, Introductory Course in Business Law		KS KE U W T	
GEMA55	6	G1	4 - 13/14	1	-	S	Medicine for Engineers		KS KE U W T	
GEMA45	3	G1	4 - 13/14	1	-	S	Teaching and Learning		KS KE U W T	
EITN35	7.5	A	4 - 13/14	4	X	E1	Advanced Course in Electrical and Information Technology	X	KS KE U W T	
MIE090	7.5	A	4 - 13/14	4	X	E1	Automation for Complex Systems		KS KE U W T	
MMT160	7.5	G2	4 - 13/14	3	-	S	Computer Aided Design/Computer Aided Manufacturing		KS KE U W T	
TEK190	7.5	G2	4 - 13/14	3	-	S	Econometrics	X	KS KE U W T	
MVKN15	7.5	A	4 - 13/14	4	-	S	Energy Supply Systems		KS KE U W T	
EXTF30	7.5	G2	4 - 13/14	3	-	S	Fixed Income Securities	X	KS KE U W T	
MMTN05	7.5	A	4 - 13/14	3	-	S	Flexible Manufacturing Systems, Advanced Course		KS KE U W T	
INNN10	7.5	A	4 - 13/14	4	X	E	Globalization and Innovation		KS KE U W T	
MTTN45	7.5	A	4 - 13/14	4	X	E	Humanitarian Logistics - disaster relief and logistics in developing countries		KS KE U W T	
KII010	7.5	G2	4 - 13/14	4	-	E1	Industrial Environmental Management		KS KE U W T	
FMSN30	7.5	A	4 - 13/14	4	X	E1	Linear and Logistic Regression	X	KS KE U W T	
MAMN30	7.5	A	4 - 13/14	3	-	S	Management, Work Organisation and Project Management		KS KE U W T	
ERTN20	7.5	A	4 - 13/14	4	X	E1	Market-driven Systems		KS KE U W T	
FRT095	4.5	A	4 - 13/14	3	-	S	Mathematical Modelling, Advanced Course		KS KE U W T	
MTTN30	7.5	A	4 - 13/14	4	X	E	Process-based Business Development		KS KE U W T	
MION10	7.5	A	4 - 13/14	4	X	E	Production Management		KS KE U W T	
ETS061	7.5	A	4 - 13/14	4	X	E1	Simulation		KS KE U W T	
FMS155	7.5	A	4 - 13/14	4	X	E1	Statistical Modelling of Extreme Values		KS KE U W T	
MTT240	7.5	A	4 - 13/14	4	X	E	Supply Chain Management		KS KE U W T	
MTTF05	5	G2	4 - 13/14	3	-	S	Factory Planning and Engineering	X	KS KE U W T	Course on hold

Course Code	Credits	Cycle	Language				Course Name	Footnote	Links	sp4
			Year	From year	S.Ex. stud.					
MTTN20	7.5	A	5 - 14/15	5	X	E	Supply Chain Information Systems	KS KE U W T	1	
FMSN25	7.5	A	5 - 14/15	4	X	E1	Valuation of Derivative Assets	KS KE U W T	1	
MTTN15	7.5	A	5 - 14/15	4	X	E1	Project in Logistics	KS KE U W T	1	

[EITN35](#) Advanced Course in Electrical and Information Technology: *The course starts only after agreement with the department. The course is not linked to any specific study period. The information on hours depends on the course running over a study period. Individual study plans are to be set up and approved.*

[EXTN05](#) Econometrics, Advanced Course: *The course is to be studied together with NEKN31, which is given by the Department of Economics. Does not follow the study period structure.*

[TEK103](#) Financial Economics, Advanced Course: *The course is to be studied together with NEKN81, which is given by the Department of Economics. Does not follow the study period structure.*

[EXTF50](#) Microeconomic Analysis: *The course is to be studied together with NEKG21, which is given by the Department of Economics. Does not follow the study period structure.*

[EXTF40](#) Option Theory: *The course is to be studied together with NEKH82, which is given by the Department of Economics. Does not follow the study period structure.*

[EXTF35](#) Portfolio Selection: *The course is to be studied together with NEKH81, which is given by the Department of Economics. Does not follow the study period structure.*

[FMSF10](#) Stationary Stochastic Processes: *Only one of the courses [FMS045](#) and [FMSF10](#) may be included in a degree.*

[TEK190](#) Econometrics: *The course is to be studied together with NEKG31, which is given by the Department of Economics. Does not follow the study period structure.*

[EXTN80](#) Economic and Financial Decision-making: *The course is to be studied together with NEKN22, which is given by the Department of Economics. Does not follow the study period structure.*

[TEK110](#) Economics, Empirical Finance: *The course is to be studied together with NEKN82, which is given by the Department of Economics. Does not follow the study period structure.*

[EXTF30](#) Fixed Income Securities: *The course is to be studied together with NEKG81, which is given by the Department of Economics. Does not follow the study period structure.*

[EXTP15](#) Microeconomics - Individual Choice: *The course is to be studied together with NEKP21, which is given by the Department of Economics. Does not follow the study period structure.*

[FME170](#) Complex Economy: *The course is offered every other academic year and will be given in 2013/14, 2015/16.*

[TEK140](#) Economics, Industrial Organization: *The course is to be studied together with NEKH21, which is given by the Department of Economics. Does not follow the study period structure.*

[TEK180](#) Financial Valuation and Risk Management: *The course is to be studied together with NEKN83, which is given by the Department of Economics. Does not follow the study period structure.*

[EXTP10](#) Microeconomics - Strategic Interaction: *The course is offered every other academic year and will be offered in 2013/14, 2015/16.*

[FMSN30](#) Linear and Logistic Regression: *Only one of the courses [FMSN30](#) and [FMSN40](#) may be included in a degree.*

[MITTE05](#) Factory Planning and Engineering: *The course is offered every other academic year and will next be offered in 2014/15.*

Bachelor's Projects - I

The list contains the bachelor's projects that are included in the I programme. The list is not necessarily complete before the academic year 2016/17.

Links

Course Code	Credits	Course Name	Links
FMSL01	15	Bachelor Project in Mathematical Statistics	KS KE U W
MIOL01	15	Bachelor Project in Production Management	KS KE U

Degree Projects - I

The list contains the degree project courses that are included in the I programme.

Links

Course Code	Credits	Course Name	Links
FRT820	30	Degree Project in Automatic Control for Engineers	KS KE U W
EDA920	30	Degree Project in Computer Sciences for Engineers	KS KE U W
EITM01	30	Degree Project in Electrical and Information Technology	KS KE U W
MVK920	30	Degree Project in Energy Sciences	KS KE U W
MTT820	30	Degree Project in Engineering Logistics	KS KE U W
FKM820	30	Degree Project in Engineering Materials	KS KE U W
FMI820	30	Degree Project in Environmental Studies	KS KE U W
MAM920	30	Degree Project in Ergonomics for Engineers	KS KE U W
EXTM10	30	Degree Project in Financial Economics	KS KE U W
EIE920	30	Degree Project in Industrial Electrical Engineering and Automation	KS KE U W
INN920	30	Degree Project in Innovation	KS KE U
INTM01	30	Degree Project in Innovation Engineering	KS KE U W
MMK820	30	Degree Project in Machine Design for Engineers	KS KE U W
FMS820	30	Degree Project in Mathematical Statistics for Engineers	KS KE U W
FMA820	30	Degree Project in Mathematics for Engineers	KS KE U W
FME820	30	Degree Project in Mechanics for Engineers	KS KE U W
FMN820	30	Degree Project in Numerical Analysis	KS KE U W
MTT920	30	Degree Project in Packaging Logistics	KS KE U W
PHYM01	30	Degree Project in Physics	KS KE U W
MMTM01	30	Degree Project in Production and Materials Engineering	KS KE U W
MIO920	30	Degree Project in Production Management	KS KE U W
FHL820	30	Degree Project in Solid Mechanics for Engineers	KS KE U W