Mechanical Engineering

Study Year 1 (Mandatory Courses)

Course Code	Credits	Cycle	Language S.Ex. stud.		Course Name	Footnote	Links		16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4
MMK010	6	G1	-	S	Manual and Computer Aided Drafting		KS KE U W T		1			
MMTA02	6	G1	-	S	Introduction to Mechanical Engineering		KS KE U W T		1	2		
FMAA01	15	G1	-	S	Calculus in One Variable		KS KE U W T		1	2	3	
FMA420	6	G1	-	S	Linear Algebra		KS KE U W T			2		
EDA501	6	G1	-	S	Programming, First Course	X	KS KE U W T			2	3	4
MIOA01	9	G1	-	S	Managerial Economics, Basic Course		KS KE U W T				3	
FAF260	6	G1	-	S	Applied Optics and Waves		KS KE U W T					4

Course Code	Credits	Cycle	Language S.Ex. stud.		Course Name	Footnote	Links	16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4
FMA430	6	G1	-	S	Calculus in Several Variables		KS KE U W T				4

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

Study Year 2 (Mandatory Courses)

Course Code	Credits	Cycle	Language S.Ex. stud.		Course Name	Footnote	Links	16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4
FMEA30	15	G1	-	S	Engineering Mechanics		KS KE U W T	1	2		
MMVF01	11	G2	-	S	Thermodynamics and Fluid Mechanics		KS KE U W T	1	2		
MTTF01	5	G2	-	S	Logistics		KS KE U W T		2		
FKM015	7.5	G1	-	S	Materials Engineering, Basic Course		KS KE U W T			3	
FHL013	15	G2	-	E1	Solid Mechanics, Basic Course		KS KE U W T			3	4
MMT012	7.5	G2	-	S	Production and Manufacturing Methods		KS KE U W T				4

Study Year 3 (Mandatory Courses)

Course Code	Credits	Cycle	Language S.Ex. stud.	Language	Course Name	Footnote	Links	16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4
MMEF05	7.5	G2	-	S	Transmissions		KS KE U W T	1			
MIE012	9	G2	-	S	Electrical Engineering, Basic Course		KS KE U W T	1	2		
MVKF01	6	G2	X	S	Energy and the Environment in Sustainable Development		KS KE U W T	1	2		
FRT010	7.5	G2	-	S	Automatic Control, Basic Course		KS KE U W T		2		
MMKF01	5	G2	-	S	Product Development and Design Methodology	X	KS KE U W T			3	
MMEF01	5	G2	-	S	Tribology		KS KE U W T			3	
FMS035	7.5	G2	-	S	Mathematical Statistics, Basic Course		KS KE U W T				4

MMKF01 Product Development and Design Methodology: *The date and time of the exam is announced by the course lecturer.*

Study Year 3 (Elective Mandatory Courses)

Course Code	Credits	Cycle	Language S.Ex. stud.		Course Name	Footnote	Links			16/17 sp3	16/17 sp4
MMV031	7.5	G2	X	E	Heat Transfer		KS KE U W T			3	
MIO040	6	G2	-	S	Managerial Economics, Advanced Course		KS KE U W T			3	
EDAA01	7.5	G1	-	S	Programming - Second Course		KS KE U W T			3	
MAMF15	6	G2	-	S	Work Organization and Management		KS KE U W T			3	
MMT160	7.5	G2	-	S	Computer Aided Design/Computer Aided Manufacturing		KS KE U W T				4
FHL064	7.5	G2	X	E	Finite Element Method		KS KE U W T				4
MIO022	6	G2	-	S	Management Organization		KS KE U W T				4

Course Code	Credits	Cycle	Language S.Ex.	Language stud.	Course Name	Footnote	Links		16/17 sp1	16/17 sp2	16/17 sp3	16/17 sp4
MME080	7.5	A	X	S	Transmissions, Dynamics		KS KE U W T					4

Specialisation bem - Computational Mechanics

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
FHLN05	7.5	A	V	4	3	-	S	Computational Inelasticity		KS KE U W T	1			
FMEN21	7.5	A	V	4	3	X	E	Continuum Mechanics		KS KE U W T	1			
FKM090	7.5	A	V	4	3	X	E1	Fatigue		KS KE U W T	1			
FKM070	7.5	A	V	4	3	X	E1	Advanced Materials Technology		KS KE U W T		2		
FHL066	7.5	A	V	4	3	X	S	Finite Element Method for Non-linear Systems		KS KE U W T		2		
FMEN11	7.5	A	V	4	3	X	E	Mechanical Vibrations		KS KE U W T		2		
FHLN10	7.5	A	V	4	3	X	E	Modern Experimental Mechanics		KS KE U W T		2		

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
MVK140	7.5	A	V	4	3	X	E	Turbulence – Theory and Modelling		KS KE U W T		2		
MMVN01	7.5	A	V	4	3	-	S	Aerodynamics and Compressible Flow		KS KE U W T			3	
FMEN02	7.5	A	V	4	3	X	E	Multibody Dynamics		KS KE U W T			3	
FHLN01	7.5	A	V	4	3	X	E	Structural Optimization		KS KE U W T			3	
FHL090	7.5	A	V	4	3	X	E1	Fracture Mechanics, Advanced Course		KS KE U W T				4
MMVN05	7.5	A	V	4	4	X	E1	Numerical Fluid Dynamics and Heat Transfer		KS KE U T				4
MVKN70	7.5	A	V	5	4	X	E	Advanced Methods within Numerical Fluid Mechanics and Heat Transfer		KS KE U T	1			

Specialisation en - Energy Technology

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
EIEN15	7.5	A	V	4	3	X	E1	Electric Power Systems		KS KE U W T	1			
MVKN25	3	A	V	4	4	X	E1	Environmentally Friendly Power Generation		KS KE U W T	1			
MVKN50	7.5	A	V	4	3	X	E1	Introduction to Combustion Engines		KS KE U W T	1			
MVKN65	7.5	A	V	4	3	X	E1	Power Plant Technology		KS KE U W T		2		
MMVN01	7.5	A	V	4	3	-	S	Aerodynamics and Compressible Flow		KS KE U W T			3	
MVKN20	7.5	A	V	4	4	-	S	Energy Utilization		KS KE U W T			3	
MVKN60	7.5	A	V	4	3	X	E1	Theory of Turbo Machinery		KS KE U W T			3	

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
MVKN15	7.5	A	V	4	4	-	S	Energy Supply Systems		KS KE U W T				4
MVK051	7.5	A	V	4	3	X	E1	Steam and Gas Turbine Engineering		KS KE U W T				4
MVKN40	5	A	V	5	4	X	S	District Heating and Cooling		KS KE U W T	1			
MVKN30	7.5	A	V	5	5	-	S	Advanced Efficient Energy Systems		KS KE U W T	1	2		
MVKN01	7.5	A	V	5	4	-	E1	Projecting Thermal Power Plants		KS KE U W T	1	2		
MVKN35	6	A	V	5	4	-	S	Energy Markets		KS KE U W T		2		

Specialisation fo - Automotive Engineering

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
MVKN70	7.5	A	V	4	4	X	E	Advanced Methods within Numerical Fluid Mechanics and Heat Transfer		KS KE U T	1			
FHLN05	7.5	A	V	4	3	-	S	Computational Inelasticity		KS KE U W T	1			
MVKN50	7.5	A	V	4	3	X	E1	Introduction to Combustion Engines		KS KE U W T	1			
MVKF15	7.5	G2	V	4	3	X	E1	Introduction to Vehicle Systems		KS KE U W T	1			
MVKN55	7.5	A	V	4	3	X	E1	Advanced Combustion Engine Concepts		KS KE U W T		2		
MAM242	7.5	G2	V	4	4	X	E1	Aerosol Technology		KS KE U W T		2		
MME070	7.5	A	V	4	3	X	S	Transmissions, Dimensioning		KS KE U W T		2		

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
FKMN15	7.5	A	V	4	3	-	E1	Light Materials	X	KS KE U W T			3	
FHLN01	7.5	A	V	4	3	X	E	Structural Optimization		KS KE U W T			3	
FMI040	7.5	A	V	4	4	-	S	Energy Systems Analysis: Renewable Sources of Energy		KS KE U W T			3	4
FRTN01	10	A	V	4	3	X	E1	Real-Time Systems		KS KE U W T			3	4
MMKF25	7.5	G2	V	4	3	X	E1	Surface Modelling, Rendering and 3D		KS KE U W T				4
MIE100	7.5	A	V	5	3	X	E1	Hybrid Vehicle Drive Systems		KS KE U W T	1			

FKMN15 Light Materials: *The course is offered every other academic year and will be given in 2016/17.*

Specialisation lp - Logistics and Production Management

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
MTTN40	7.5	A	V	4	3	X	E	Packaging Technology and Development		KS KE U W T	1			
MTTN25	7.5	A	V	4	3	X	E	Warehousing and Materials Handling		KS KE U W T	1			
MTT115	7.5	A	V	4	4	X	E	Industrial Purchasing		KS KE U W T		2		
MTTN35	7.5	A	V	4	3	X	E	Packaging Logistics		KS KE U W T		2		
MIOF10	7.5	G2	V	4	3	X	E	Production and Inventory Control		KS KE U W T		2		
MTT045	7.5	A	V	4	3	X	E	International Physical Distribution		KS KE U W T			3	
MION01	7.5	A	V	4	4	X	E	Management of Production and Inventory Systems		KS KE U W T			3	

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
MTTN60	7.5	A	V	4	3	X	E	Business Process Management		KS KE U W T				4
MION45	7.5	A	V	4	3	X	E	Operations Strategy		KS KE U W T				4
MTT240	7.5	A	V	4	4	X	E	Supply Chain Management		KS KE U W T				4
MION40	7.5	A	V	5	4	X	E1	Simulation of Industrial Processes and Logistic Systems		KS KE U W T	1			
MTTN20	7.5	A	V	5	4	X	E	Supply Chain Information Systems		KS KE U W T	1			
MION50	7.5	A	V	5	3	X	E	Quality Management		KS KE U W T		2		

Specialisation me - Mechatronics

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	Language S.Ex. stud.		Course Name	Footnote	Links	sp1	sp2	sp3	sp4
MMKF15	7.5	G2	V	4	3	X	E1	Applied Robotics		KS KE U W T	1			
MMKN46	7.5	A	V	4	3	X	E1	Computer Based Engineering, Design Analysis 1		KS KE U W T	1			
EIEF01	10	G2	V	4	4	X	E1	Applied Mechatronics		KS KE U W T	1	2		
EDA040	6	G2	V	4	3	X	E1	Concurrent Programming		KS KE U W T	1	2		
MIE041	9	G2	V	4	4	X	E1	Measurement Systems for Control	X	KS KE U W T	1	2		
MMKN55	7.5	A	V	4	3	-	S	Engineering Design Techniques		KS KE U W T		2		
FRTN05	7.5	A	V	4	3	X	E1	Non-Linear Control and Servo Systems		KS KE U W T		2		

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links		sp1	sp2	sp3	sp4
FRT090	7.5	A	V	4	3	X	E1	Project in Automatic Control		KS KE U W T			2		
MMKN30	7.5	A	V	4	3	X	E1	Service Robotics	X	KS KE U W T			2		
EIEN01	10	A	V	4	4	X	E1	Mechatronics, Industrial Product Design		KS KE U W T				3	4
EIEN25	15	A	V	4	4	X	E1	Power Electronics - Devices, Converters, Control and Applications	X	KS KE U W T				3	4
FRTN01	10	A	V	4	3	X	E1	Real-Time Systems		KS KE U W T				3	4
EDAN15	7.5	A	V	4	3	X	E	Design of Embedded Systems		KS KE U W T					4

MIE041 Measurement Systems for Control: *Exam date to be set by agreement. The course is offered every other academic year and will be given in 2014/15, 2016/17.*
MMKN30 Service Robotics: *The course is offered every other academic year and will be given in 2016/17, 2018/2019.*
EIEN25 Power Electronics - Devices, Converters, Control and Applications: *The course may not be included in a degree together with either EIE015, EIE023 or EIE042*

Specialisation prr - Product Realization

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
MMKF15	7.5	G2	V	4	3	X	E1	Applied Robotics		KS KE U W T	1			
MMKN11	7.5	A	V	4	3	-	S	Design for X		KS KE U W T	1			
MMT015	7.5	A	V	4	4	-	S	Material and Process Selection		KS KE U W T	1			
MMT031	7.5	A	V	4	3	-	S	Production Technology		KS KE U W T	1			
MMTF15	7.5	G2	V	4	3	-	S	Workshop Practice		KS KE U T	1	2		
FKM070	7.5	A	V	4	3	X	E1	Advanced Materials Technology		KS KE U W T		2		
MMT045	7.5	A	V	4	3	-	S	Flexible Manufacturing Systems		KS KE U W T		2		

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links		sp1	sp2	sp3	sp4
MTT115	7.5	A	V	4	4	X	E	Industrial Purchasing		KS KE U W T			2		
MIE080	7.5	G2	V	4	3	X	E1	Automation		KS KE U W T				3	
MMTF15	7.5	G2	V	4	3	-	S	Workshop Practice		KS KE U T				3	4
MIE090	7.5	A	V	4	3	X	E1	Automation for Complex Systems		KS KE U W T					4
MMTN05	7.5	A	V	4	4	-	S	Flexible Manufacturing Systems, Advanced Course		KS KE U W T					4
MION40	7.5	A	V	5	4	X	E1	Simulation of Industrial Processes and Logistic Systems		KS KE U W T		1			
MMTN10	7.5	A	V	5	4	-	S	International Product Realisation		KS KE U T			2		

Specialisation pu - Product Development

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
MMKN46	7.5	A	V	4	3	X	E1	Computer Based Engineering, Design Analysis 1		KS KE U W T	1			
MMKN11	7.5	A	V	4	4	-	S	Design for X		KS KE U W T	1			
FKM090	7.5	A	V	4	3	X	E1	Fatigue		KS KE U W T	1			
MTTN40	7.5	A	V	4	3	X	E	Packaging Technology and Development		KS KE U W T	1			
MMKN35	7.5	A	V	4	4	X	E1	Product Innovation		KS KE U W T	1			
FKM070	7.5	A	V	4	3	X	E1	Advanced Materials Technology		KS KE U W T		2		
MMKN51	7.5	A	V	4	3	X	E1	Computer Based Engineering, Design Analysis 2		KS KE U W T		2		

Course Code	Credits	Cycle	Mand./ Elect.	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links		sp1	sp2	sp3	sp4
MMKN55	7.5	A	V	4	3	-	S	Engineering Design Techniques		KS KE U W T			2		
MMKN21	7.5	A	V	4	3	X	E1	Design in Thermoplastic Materials		KS KE U W T				3	
MMKF30	7.5	G2	V	4	3	-	S	Hydraulics and Pneumatics		KS KE U W T				3	
FHLN01	7.5	A	V	4	3	X	E	Structural Optimization		KS KE U W T				3	
MMKN41	7.5	A	V	4	4	X	E1	Design in Polymer Composite Materials		KS KE U W T					4
MMKF25	7.5	G2	V	4	3	X	E1	Surface Modelling, Rendering and 3D		KS KE U W T					4
MME080	7.5	A	V	4	3	X	S	Transmissions, Dynamics		KS KE U W T					4

Elective Courses - M

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links		sp1	sp2	sp3	sp4
MMT125	7.5	A	4	3	-	S	Applied FEM – project		KS KE U W T		1			
BMEN05	7.5	A	4	3	X	E	Biomechanics	X	KS KE U W T		1			
EDAA25	3	G1	4	3	X	S	C Programming		KS KE U W T		1			
MION30	7.5	A	4	4	-	S	Industrial Management		KS KE U W T		1			
MIO310	6	G2	4	3	-	S	Operations Research – Basic Course		KS KE U W T		1			
MMK150	7.5	A	4	3	X	E1	Project - Machine Design	X	KS KE U W T		1			
MTEN01	7.5	A	4	4	-	S	Project - Mechanical Engineering		KS KE U W T		1			

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links		sp1	sp2	sp3	sp4
AEB010	7.5	G2	4	4	X	E	Solar Heating Technology, Basic Course		KS KE U W T		1			
FMSF10	7.5	G2	4	4	X	E1	Stationary Stochastic Processes		KS KE U W T		1			
MION25	7.5	A	4	3	-	S	Technology Strategy		KS KE U W T		1			
MTTN55	7.5	A	4	3	X	E	Applied Logistics Simulation		KS KE U W T		1	2		
ETI125	4.5	G1	4	3	-	S	Consumer Electronics		KS KE U W T		1	2		
FMIF20	7.5	G2	4	3	X	E	Environmental Issues		KS KE U W T		1	2		
EIE061	7.5	A	4	3	X	E1	Project in Industrial Electrical Engineering and Automation		KS KE U W T		1	2		

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
TNX097	7.5	G2	4	4	-	S	Rehabilitation Engineering		KS KE U W T	1	2		
MMK101	15	A	4	3	X	E1	Product Development Project	X	KS KE U W T	1	2	3	4
MVKN05	7.5	A	4	3	-	S	Project - Formula Student		KS KE U W T	1	2	3	4
MION05	7.5	A	4	3	-	S	Business Marketing		KS KE U W T		2		
EXTF45	6	G2	4	3	-	S	Financial Management		KS KE U W T		2		
MTTN45	7.5	A	4	4	X	E	Humanitarian Logistics - disaster relief and logistics in developing countries		KS KE U W T		2		
MIOF15	7.5	G2	4	3	-	S	Marketing		KS KE U W T		2		

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links		sp1	sp2	sp3	sp4
MMK150	7.5	A	4	3	X	E1	Project - Machine Design	X	KS KE U W T			2		
BMEN10	7.5	A	4	4	X	E	Tissue Biomechanics		KS KE U W T			2		
EIEN10	7.5	A	4	4	X	E1	Wind Power Systems		KS KE U W T			2		
MION20	7.5	A	4	4	-	S	Applied Business Analysis		KS KE U W T				3	
FMAF10	5	G2	4	3	-	S	Applied Mathematics - Linear systems		KS KE U W T				3	
VSMF05	7.5	G2	4	3	-	S	Engineering Modelling: Analysis of Structures		KS KE U W T				3	
TEK180	7.5	A	4	3	X	E	Financial Valuation and Risk Management	X	KS KE U W T				3	

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				
										sp1	sp2	sp3	sp4
INNN01	7.5	A	4	3	X	E	Innovation Management		KS KE U W T			3	
FKMN15	7.5	A	4	3	-	E1	Light Materials	X	KS KE U W T			3	
ETIA10	7.5	G1	4	3	X	E	Patent and Intellectual Property Rights		KS KE U W T			3	
AEB020	7.5	G2	4	4	X	E	Photovoltaic Systems, Basic Course		KS KE U W T			3	
MVK115	7.5	A	4	3	X	E1	Project - Energy Technology	X	KS KE U W T			3	
MMK150	7.5	A	4	3	X	E1	Project - Machine Design	X	KS KE U W T			3	
VSMN10	7.5	A	4	3	X	E1	Structural Dynamic Computing		KS KE U W T			3	

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links			sp1	sp2	sp3	sp4
MAMN20	7.5	A	4	4	X	E1	Aerosol Technology Project		KS KE U W T					3	4
FMA021	7.5	A	4	3	-	S	Applied Mathematics		KS KE U W T					3	4
EIEN20	7.5	A	4	3	X	E1	Design of Electrical Machines	X	KS KE U W T					3	4
EITA05	4.5	G1	4	1	-	S	History of Technology		KS KE U W T					3	4
MMK070	7.5	G2	4	3	X	E	Industrial Design		KS KE U W T					3	4
EIE061	7.5	A	4	3	X	E1	Project in Industrial Electrical Engineering and Automation		KS KE U W T					3	4
MMK126	7.5	G2	4	3	X	E1	Rapid Prototyping in the Product Development Process		KS KE U W T					3	4

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links			sp1	sp2	sp3	sp4
TNX153	7.5	G2	4	2	X	E1	Rehabilitation Engineering and Design		KS KE U W T					3	4
MAMF21	7.5	G2	4	4	-	S	Working Environment, Occupational Health and Safety		KS KE U W T					3	4
FMI070	7.5	A	4	4	X	E	Environmental Issues, Thematic Course		KS KE U W T						4
FBR012	7.5	G2	4	3	X	E	Fundamental Combustion		KS KE U W T						4
INNN10	7.5	A	4	3	X	E	Globalization and Innovation		KS KE U W T						4
MVKF25	7.5	G2	4	3	X	E1	Hydrogen, Batteries and Fuel Cells		KS KE U T						4
KII010	7.5	G2	4	3	X	E1	Industrial Environmental Management		KS KE U W T						4

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links				sp1	sp2	sp3	sp4
FMSN30	7.5	A	4	4	X	E1	Linear and Logistic Regression		KS KE U W T							4
FRTN20	7.5	A	4	4	X	E1	Market-driven Systems		KS KE U W T							4
MMT220	7.5	A	4	3	-	S	Metal Cutting, Advanced Course		KS KE U W T							4
FKMN05	7.5	A	4	3	X	E1	Powder Technology	X	KS KE U W T							4
MMK150	7.5	A	4	3	X	E1	Project - Machine Design	X	KS KE U W T							4
MIOF05	2	G2	4	3	-	S	Project in Managerial Economics, Advanced Course		KS KE U W T							4
VSMN20	7.5	A	4	3	X	E1	Software Development for Technical Applications		KS KE U W T							4

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
MMTN15	7.5	A	5	4	X	E1	Project - Production and Materials Engineering	X	KS KE U W T	1			
MTTN65	7.5	A	5	5	X	E	Project and Research Methodologies in Supply Chain Management		KS KE U T	1	2		
MMTN15	7.5	A	5	4	X	E1	Project - Production and Materials Engineering	X	KS KE U W T		2		
MMTN15								X				3	
MMTN15								X					4
MVK135	7.5	A	4	3	X	E	Turbulent Combustion	X	KS KE U W T	Course on hold			
FKMN10	7.5	A	4	3	X	E1	High Temperature Materials	X	KS KE U W T	Course on hold			
FMEN25	7.5	A	4	3	X	E1	Nano Mechanics and Multiscale Modelling	X	KS KE U W T	Course on hold			

BMEN05 Biomechanics: *Replaces the course FHLF05.*
MMK150 Project - Machine Design: *The course is not linked to any specific study period. The information on hours depends on the course running over one study period.*
MMK101 Product Development Project: *The course is offered every other academic year and will be given in 2016/17 and 2018/19.*
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.*
FKMN15 Light Materials: *The course is offered every other academic year and will be given in 2016/17.*
MVK115 Project - Energy Technology: *The course start is decided by the department.*

EIEN20 Design of Electrical Machines: *The course is offered every other academic year and will be given in 2015/16, 2017/18.*
FKMN05 Powder Technology: *The course is offered every other academic year and will be given in 2016/17, 2018/19.*
MMTN15 Project - Production and Materials Engineering: *The course start is decided by the department.*
MVK135 Turbulent Combustion: *The course is offered every other academic year and will next be offered in 2017/18.*
FKMN10 High Temperature Materials: *The course is offered every other academic year and will next be offered in 2017/18.*
FMEN25 Nano Mechanics and Multiscale Modelling: *The course is offered every other academic year and will next be offered in 2017/18.*

Externally Elective Courses - M

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links		sp1	sp2	sp3	sp4
GEMA20	7.5	G1	4	1	-	E	English for Engineers	X	KS KE U W T		1	2		
GEMA25	7.5	G1	4	1	-	S	German for Engineers	X	KS KE U W T		1	2		
GEMA60	7.5	G1	4	1	-	S	Law for Engineers, Introductory Course in Business Law	X	KS KE U W T		1	2		
GEMA70	15	G1	4	1	-	S	Japanese for Engineers	X	KS KE U W T		1	2	3	
GEMA65	7.5	G1	4	1	-	S	Chinese for Engineers	X	KS KE U W T				3	4
GEMA20	7.5	G1	4	1	-	E	English for Engineers	X	KS KE U W T				3	4
GEMA01	7.5	G1	4	1	-	S	French for Engineers: Language, Culture and Society, First Course	X	KS KE U W T				3	4

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1	sp2	sp3	sp4
GEMA60	7.5	G1	4	1	-	S	Law for Engineers, Introductory Course in Business Law	X	KS KE U W T			3	4
GEMA55	6	G1	4	1	-	S	Medicine for Engineers	X	KS KE U W T	Course on hold			

GEMA20 English for Engineers: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*
GEMA25 German for Engineers: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*
GEMA60 Law for Engineers, Introductory Course in Business Law: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*
GEMA70 Japanese for Engineers: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*
GEMA65 Chinese for Engineers: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*
GEMA01 French for Engineers: Language, Culture and Society, First Course: *LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*
GEMA55 Medicine for Engineers: *The course is offered every other academic year and will next be offered in 2017/18. LTH common courses (courses where the course code begins with GEM) counts as external elective courses in the degree requirements for students admitted autumn 2011 and later.*

Bachelor's Projects - M

The list contains the bachelor's projects that are included in the M programme.

			Links
Course Code	**Credits**	**Course Name**	
MVKL01	15	Bachelor Project in Energy Sciences	KS KE U W
FKML01	15	Bachelor Project in Engineering Materials	KS KE U
FMEL01	15	Bachelor Project in Mechanics	KS KE U
MTTL05	15	Bachelor Project in Packaging Logistics	KS KE U W
MMTL02	15	Bachelor Project in Production and Materials Engineering	KS KE U W
FHLL01	15	Bachelor Project in Solid Mechanics	KS KE U

Degree Projects - M

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

Course Code	Credits	Course Name	Links
MAM720	30	Degree Project in Aerosol Technology	KS KE U W
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
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
EIE920	30	Degree Project in Industrial Electrical Engineering and Automation	KS KE U W
MAMM01	30	Degree Project in Interaction Design	KS KE U W
MMK820	30	Degree Project in Machine Design for Engineers	KS KE U W
MME820	30	Degree Project in Machine Elements for Engineers	KS KE U
FMA820	30	Degree Project in Mathematics for Engineers	KS KE U W
FME820	30	Degree Project in Mechanics for Engineers	KS KE U W
MTT920	30	Degree Project in Packaging Logistics	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
TNS820	30	Degree Project in Rehabilitation Engineering	KS KE U W
FHL820	30	Degree Project in Solid Mechanics for Engineers	KS KE U W
VSM920	30	Degree Project in Structural Mechanics for Engineers	KS KE U