

# Industrial Engineering and Management

## Study Year 1 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	08/09 sp4
<a href="#">FMAA05</a>	15	G1	-	S	Calculus in One Variable		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MIOA01</a>	9	G1	-	S	Managerial Economics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMA420</a>	6	G1	-	S	Linear Algebra		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMA430</a>	6	G1	-	S	Calculus in Several Variables		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMEA10</a>	9	G1	-	S	Engineering Mechanics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FAFA15</a>	9	G1	-	S	Energy and Environmental Physics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">MIO022</a>	6	G2	-	S	Management Organization		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1

## Study Year 2 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	08/09 sp4
<a href="#">EXTA40</a>	6	G1	-	S	Introduction to Microeconomic Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MTTF01</a>	5	G2	-	S	Logistics	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS012</a>	9	G2	-	S	Mathematical Statistics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MIOF01</a>	9	G2	-	S	Marketing and Globalization		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">EDA017</a>	9	G1	-	S	Programming, First Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">EMAF01</a>	7	G2	-	S	Mathematics - Analytic Functions		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MIO040</a>	6	G2	-	S	Managerial Economics, Advanced Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">EMAF05</a>	7	G2	-	S	Mathematics - Systems and Transforms		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">MIOF05</a>	2	G2	-	S	Project in Managerial Economics, Advanced Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1

[MTTF01](#) Logistics: *Obligatorisk inom INEK i fördjupningskedjan Produktionsekonomi och logistik. INEK-are inskrivna 2004 får ersätta denna kurs med kursen [MTT021](#) Materialhantering.*

### Study Year 3 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	08/09 sp4
<a href="#">FRT010</a>	7.5	G2	-	E2	Automatic Control, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MIO140</a>	6	G2	-	S	Financial Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MAM070</a>	4.5	G2	-	S	Working Environment		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1

### Specialisation ai - Business and Innovation

Course Code	Credits	Mand./ Elect.		Language			Links		Footnote	sp4
		Cycle	Year	From year	S.Ex. stud.	Course Name				
<a href="#">INN005</a>	7.5	G2	V	3	3	X	E	Competition in the High-Tech Sectors		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
<a href="#">TEK140</a>	7.5	G2	V	3	3	X	E	Economics, Industrial Organization		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
<a href="#">MAM026</a>	4.5	G1	V	3	3	-	S	Work Organization		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
<a href="#">GEMA40</a>	7.5	G1	V	3	1	-	S	Entrepreneurship and Business Development		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
<a href="#">MIO150</a>	6	A	O	4	3	-	S	Business Marketing	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
<a href="#">MIO090</a>	6	A	O	4	3	-	S	Technology Strategy	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
<a href="#">MTTN05</a>	5	A	V	4	3	-	S	Process-based Business Development		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
<a href="#">MIO051</a>	6	A	V	4	3	-	S	Production Management	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
<a href="#">MTT240</a>	7.5	A	V	4	3	-	S	Supply Chain Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
<a href="#">MIO035</a>	6	A	V	4	3	-	S	Applied Business Analysis	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
<a href="#">MIO015</a>	6	A	V	4	3	X	S	Industrial Management	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
<a href="#">MTT115</a>	7.5	A	V	4	3	X	E2	Industrial Purchasing		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>

[MIO150](#) Business Marketing: *Obligatorisk inom INEK i fördjupningskedjan Affär och innovation.*

[MIO090](#) Technology Strategy: *Obligatorisk inom INEK i fördjupningskedjan Affär och innovation.*

[MIO051](#) Production Management: *Obligatorisk inom INEK i fördjupningskedjan Produktionsekonomi och logistik*

[MIO035](#) Applied Business Analysis: *Obligatorisk inom INEK i fördjupningskedjan Affär och innovation.*

[MIO015](#) Industrial Management: *Obligatorisk inom INEK i fördjupningskedjan Affär och innovation.*

## Specialisation fi - Financial Engineering

Course Code	Credits	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
		Cycle									
<a href="#">FMS155</a>	7.5	A	V	3	3	X	E2	Statistical Modelling of Extreme Values		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">EDAA01</a>	7.5	G1	V	3	3	-	S	Programming - Second Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS045</a>	6	G2	V	3	3	X	S	Stationary Stochastic Processes	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">TEK135</a>	10.5	G2	V	3	3	-	S	Microeconomic Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMS045</a>	6	G2	V	3	3	X	S	Stationary Stochastic Processes	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">TEK180</a>	7.5	A	O	4	3	X	E	Financial Valuation and Risk Management	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS161</a>	7.5	A	O	4	3	X	E1	Financial Statistics	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">TEK103</a>	7.5	A	V	4	3	X	E	Financial Economics, Advanced Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">TEK110</a>	7.5	A	V	4	3	X	E	Economics, Empirical Finance		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">TEK090</a>	7.5	A	V	4	3	X	E1	Economics, Information, Risk and Uncertainty		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS170</a>	9	A	V	4	3	X	E1	Valuation of Derivative Assets	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMS051</a>	7.5	A	V	4	3	X	E2	Mathematical Statistics, Time Series Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1

[FMS045](#) Stationary Stochastic Processes: *Kursen ges två gånger under läsåret 08/09.*

[TEK180](#) Financial Valuation and Risk Management: *Obligatorisk inom INEK i fördjupningskedjan Finansiering och risk.*

[FMS161](#) Financial Statistics: *Obligatorisk inom INEK i fördjupningskedjan Finansiering och risk.*

[FMS170](#) Valuation of Derivative Assets: *Obligatorisk inom INEK i fördjupningskedjan Finansiering och risk.*

## **Specialisation ip - Integrated Software Systems**

Course Code	Credits	Mand./ Elect.		Language			Links		Footnote	sp4	
		Cycle	Year	From year	S.Ex. stud.	Course Name					
<a href="#">ETS032</a>	7.5	G2	O	3	2	-	S	Software Development for Large Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">EDAA01</a>	7.5	G1	O	3	3	-	S	Programming - Second Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MIE080</a>	7.5	G2	V	3	3	X	E1	Automation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MIE090</a>	7.5	A	V	3	3	X	E1	Automation for Complex Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">ETS061</a>	7.5	A	V	3	2	X	E2	Simulation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">EDA061</a>	4.5	G2	V	4	3	-	S	Object-oriented Modelling and Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">EDA260</a>	6	G2	V	4	3	-	S	Software Development in Teams Ø Project		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MIO150</a>	6	A	V	4	3	-	S	Business Marketing	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">EDA216</a>	7.5	G2	V	4	4	X	S	Database Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MIO051</a>	6	A	V	4	3	-	S	Production Management	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">ETS170</a>	7.5	A	V	4	3	X	S	Requirements Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MIO090</a>	6	A	V	4	3	-	S	Technology Strategy	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MIO015</a>	6	A	V	4	3	X	S	Industrial Management	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">ETS200</a>	7.5	A	V	4	4	X	E1	Software Testing		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1

[MIO150](#) Business Marketing: *Obligatorisk inom INEK i fördjupningskedjan Affär och innovation.*

[MIO051](#) Production Management: *Obligatorisk inom INEK i fördjupningskedjan Produktionsekonomi och logistik*

[MIO090](#) Technology Strategy: *Obligatorisk inom INEK i fördjupningskedjan Affär och innovation.*

[MIO015](#) Industrial Management: *Obligatorisk inom INEK i fördjupningskedjan Affär och innovation.*

## Specialisation Ip - Logistics and Production Management

Course Code	Credits	Cycle		Mand./ Elect.			S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
		Year	From year	Year	From year	Year						
<a href="#">MTTF15</a>	5	G2	V	3	3	X	E2	Packaging Technology and Development		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MTTF10</a>	5	G2	V	3	3	-	S	Materials Handling		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MTTF05</a>	5	G2	V	4	3	-	S	Factory Planning and Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MTTN05</a>	5	A	V	4	3	-	S	Process-based Business Development		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MIO240</a>	6	A	V	4	3	-	S	Simulation of Production Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MTTN10</a>	7.5	A	V	4	3	X	E2	Simulation of Packaging and Logistics Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MTT045</a>	7.5	A	V	4	3	X	E2	International Physical Distribution		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MTT215</a>	7.5	G2	V	4	3	X	E2	Packaging Logistics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MIO051</a>	6	A	V	4	3	-	S	Production Management	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MIO060</a>	4.5	G2	V	4	3	-	S	Quality and Maintenance Management	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MTT240</a>	7.5	A	V	4	3	-	S	Supply Chain Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MIO331</a>	9	A	V	4	3	X	E	Management of Production and Inventory Systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	
<a href="#">MTT115</a>	7.5	A	V	4	3	X	E2	Industrial Purchasing		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	
<a href="#">MTT070</a>	9	A	V	4	3	X	E2	International Project ☒ Exportation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	

[MIO051](#) Production Management: *Obligatorisk inom INEK i fördjupningskedjan Produktionsekonomi och logistik*

[MIO060](#) Quality and Maintenance Management: *Obligatorisk inom INEK i fördjupningskedjan Produktionsekonomi och logistik*



[MIO331](#) Management of Production and Inventory Systems: *Obligatorisk inom INEK i fördjupningskedjan Produktionsekonomi och logistik*

## Specialisation pr - Production Engineering

Course Code	Credits	Cycle		Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
<a href="#">MMT175</a>	7.5	A	V	3	3	-	S	Composite Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>			
<a href="#">MIE080</a>	7.5	G2	V	3	3	X	E1	Automation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>			
<a href="#">MTT091</a>	6	G2	V	3	3	-	S	Materials Handling		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>			
<a href="#">MIE090</a>	7.5	A	V	3	3	X	E1	Automation for Complex Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		1	
<a href="#">MMT045</a>	7.5	A	V	3	3	-	S	Flexible Manufacturing Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		1	
<a href="#">MMT031</a>	7.5	A	V	4	3	-	S	Production Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>			
<a href="#">MIO240</a>	6	A	V	4	3	-	S	Simulation of Production Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>			
<a href="#">MMT150</a>	7.5	G2	V	4	3	X	E1	Robot Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>			
<a href="#">FKMN05</a>	7.5	A	V	4	3	X	E1	Powder Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>			
<a href="#">MIO051</a>	6	A	V	4	3	-	S	Production Management	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>			
<a href="#">MIO060</a>	4.5	G2	V	4	3	-	S	Quality and Maintenance Management	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>			
<a href="#">FKM070</a>	7.5	A	V	4	3	X	E1	Advanced Materials Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		1	

[MIO051](#) Production Management: *Obligatorisk inom INEK i fördjupningskedjan Produktionsekonomi och logistik*

[MIO060](#) Quality and Maintenance Management: *Obligatorisk inom INEK i fördjupningskedjan Produktionsekonomi och logistik*

## Specialisation pu - Product Development

Course Code	Credits	Mand./ Elect.		Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
		Cycle									
<a href="#">MTTF15</a>	5	G2	V	3	3	X	E2	Packaging Technology and Development		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">EMEN10</a>	8	A	V	3	3	X	E2	Mechanical Vibrations		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MMK040</a>	9	G2	V	3	3	X	E2	Product Development and Design Methodology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">MMK121</a>	4.5	G2	V	3	3	X	S	Computer Aided Product Modelling and Simulation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FHL064</a>	7.5	G2	V	3	3	X	E2	Finite Element Method		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">MMK140</a>	4.5	A	V	4	3	X	E2	Computer Based Engineering, Design Analysis 1		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">EMEN01</a>	8	A	V	4	3	X	E2	Multibody Dynamics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MMK145</a>	4.5	A	V	4	3	X	E2	Computer Based Engineering, Design Analysis 2		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FKM090</a>	7.5	A	V	4	3	X	S	Fatigue		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MME070</a>	7.5	A	V	4	3	X	S	Transmissions, Dimensioning		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>	
<a href="#">MMK095</a>	7.5	A	V	4	3	X	E2	Engineering Design Techniques		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FKM070</a>	7.5	A	V	4	3	X	E1	Advanced Materials Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1

## Elective Courses - I

Course Code	Credits	Cycle	Language				Course Name	Footnote	Links	sp4
			Year	From year	S.Ex. stud.					
<a href="#">INN001</a>	7.5	G1	3	3	X	E2	Introduction to Innovation Management	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FMA051</a>	6	A	3	2	X	E1	Optimization	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FHL021</a>	7.5	G1	3	3	-	S	Solid Mechanics, Basic Course	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">GEMA30</a>	4.5	G1	3	1	-	S	Swedish for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">GEMA20</a>	7.5	G1	3	1	-	E	English for Engineers	X <a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">GEMF01</a>	7.5	G2	3	2	-	S	Environmental Science	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">GEMA05</a>	7.5	G1	3	1	-	S	French for Engineers: Language, Culture and Society, Second Course	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">GEMF05</a>	7.5	G2	3	2	X	E	Gender in Science and Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">GEMA25</a>	7.5	G1	3	1	-	S	German for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>		
<a href="#">GEMA50</a>	4.5	G1	3	2	-	S	History of Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">GEMA60</a>	7.5	G1	3	2	-	S	Law for Engineers, Introductory Course in Business Law	X <a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">GEMA10</a>	7.5	G1	3	1	-	S	Spanish for Engineers: Language, Culture and Society, First Course	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">INN010</a>	7.5	G2	3	3	X	E	Tools for Innovation Management	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FMA240</a>	6	G2	3	3	X	E2	Linear and Combinatorial Optimization	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FKM060</a>	4.5	G1	3	2	-	S	Materials	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FRTN10</a>	7.5	A	3	3	X	E1	Multivariable Control	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">GEMA65</a>	7.5	G1	3	1	-	S	Chinese for Engineers	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>	1	
<a href="#">GEMA20</a>	7.5	G1	3	1	-	E	English for Engineers	X <a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	
<a href="#">FMIF01</a>	6	G2	3	2	-	S	Environmental System Studies: Management for Sustainable Development	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	
										sp4
<a href="#">GEMA01</a>	7.5	G1	3	1	-	S	French for Engineers: Language, Culture and Society, First Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">GEMA60</a>	7.5	G1	3	2	-	S	Law for Engineers, Introductory Course in Business Law	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">MMT015</a>	7.5	A	3	3	-	S	Material and Process Selection		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMA120</a>	6	A	3	3	-	S	Matrix Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">GEMA55</a>	6	G1	3	2	-	S	Medicine for Engineers		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">GEMA15</a>	7.5	G1	3	1	-	S	Spanish for Engineers: Language, Culture and Society, Second Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>	1
<a href="#">FRT041</a>	7.5	A	3	3	X	E1	System Identification		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
<a href="#">GEMA45</a>	3	G1	3	2	-	S	Teaching and Learning		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">MMT160</a>	7.5	G2	3	3	-	S	Computer Aided Design/Computer Aided Manufacturing		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">EMS180</a>	6	G2	3	3	-	S	Markov Processes		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FRT095</a>	4.5	A	3	3	-	S	Mathematical Modelling, Advanced Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FRTN05</a>	7.5	A	3	3	X	E1	Non-Linear Control and Servo Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMN050</a>	6	G2	3	3	X	E1	Numerical Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">MTT095</a>	4.5	A	3	3	-	S	Project in Materials Handling and Work Organization		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1

Course Code	Credits	Cycle	Language			S.Ex. stud.	Course Name	Footnote	Links	sp4
			Year	From year						
<a href="#">FMS047</a>	3	A	3	3	-	S	Stationary Stochastic Processes, Project Work	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	
<a href="#">ETS052</a>	4.5	G2	4	3	X	E2	Computer Communication	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FHL072</a>	7.5	A	4	3	-	E2	Constitutive Modelling of Materials, Advanced Course	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">EXTN05</a>	7.5	A	4	3	X	E	Econometrics, Advanced Course	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FMS091</a>	7.5	A	4	3	X	E2	Monte Carlo and Empirical Methods for Stochastic Inference	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FKMN01</a>	7.5	A	4	4	X	E1	Polymer Materials	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MMK110</a>	4.5	G2	4	4	X	E2	Product Development	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MMTN01</a>	7.5	A	4	4	-	S	Project - Production and Materials Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">EIT090</a>	9	G2	4	3	X	E2	Computer Architecture	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FMI050</a>	7.5	A	4	3	-	S	Energy Systems Analysis: Energy, Environment and Natural Resources	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MAM041</a>	7.5	G2	4	3	-	S	Man-Machine-System	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MIE041</a>	9	G2	4	3	X	E1	Measurement Systems for Control	X <a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FMA140</a>	6	A	4	3	X	E2	Non-Linear Dynamical Systems	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FMS110</a>	7.5	A	4	3	X	E1	Non-Linear Time Series Analysis	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FRTN15</a>	7.5	A	4	3	X	E1	Predictive Control	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">EIE061</a>	7.5	A	4	3	X	E1	Project in Industrial Electrical Engineering and Automation	X <a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FRTN01</a>	10	A	4	3	X	E1	Real-Time Systems	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">MAM032</a>	7.5	A	4	3	-	S	Working Environment, Project	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FMF170</a>	7.5	G2	4	3	X	E	Complex Economy	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FMEF01</a>	8	G2	4	4	X	E2	Continuum Mechanics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">TEK190</a>	7.5	G2	4	3	-	S	Econometrics	X <a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FMA145</a>	3	A	4	3	X	E1	Non-linear Dynamical Systems, Project	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">FMN130</a>	7.5	A	4	4	X	E1	Numerical Methods for Differential Equations	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">EIT070</a>	6	G2	4	3	-	S	Computer Organization	X <a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">TEK180</a>	7.5	A	4	3	X	E	Financial Valuation and Risk Management	X <a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">ETI280</a>	6	G1	4	3	X	S	Intellectual Property Right Management (IPR)	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		

Course Code	Credits	Cycle			S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
		Year	From year							
<a href="#">FMSF05</a>	7.5	G2	4	4	-	E2	Probability Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS045</a>	6	G2	4	3	X	S	Stationary Stochastic Processes	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">MAMF15</a>	6	G2	4	3	-	S	Work Organization and Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMI040</a>	7.5	A	4	3	-	S	Energy Systems Analysis: Renewable Sources of Energy		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">EIE061</a>	7.5	A	4	3	X	E1	Project in Industrial Electrical Engineering and Automation	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">MIE090</a>	7.5	A	4	4	X	E1	Automation for Complex Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">TEK190</a>	7.5	G2	4	3	-	S	Econometrics	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMI070</a>	7.5	A	4	3	X	E2	Environmental Issues, Thematic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FHL090</a>	7.5	A	4	3	X	E2	Fracture Mechanics, Advanced Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1



Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp4
<a href="#">KII010</a>	7.5	G2	4	4	-	E2	Industrial Environmental Management	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">MAMF05</a>	7.5	G2	4	2	-	S	Management and Cooperation in Projects		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">ERTN20</a>	7.5	A	4	3	-	E2	Market-driven Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">MIO030</a>	4.5	G2	4	4	-	S	Production and Inventory Control	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FRT090</a>	7.5	A	4	3	X	E1	Project in Automatic Control		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">EMS045</a>	6	G2	4	3	X	S	Stationary Stochastic Processes	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">MAM120</a>	7.5	G2	4	4	-	S	Usability Evaluation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1

[GEMA20](#) English for Engineers: *Kursen ges två gånger per läsår.*

[GEMA60](#) Law for Engineers, Introductory Course in Business Law: *Kursen ges två gånger per läsår.*

[MIE041](#) Measurement Systems for Control: *Tentamen efter överenskommelse med kursansvarig.*

[EIE061](#) Project in Industrial Electrical Engineering and Automation: *Kursen ges två gånger per år. Tentamen efter överenskommelse.*

[TEK190](#) Econometrics: *Kursen ges två gånger under läsåret 08/09.*

[EIT070](#) Computer Organization: *Obligatorisk för I06 och tidigare.*

[TEK180](#) Financial Valuation and Risk Management: *Obligatorisk inom INEK i fördjupningskedjan Finansiering och risk.*

[FMS045](#) Stationary Stochastic Processes: *Kursen ges två gånger under läsåret 08/09.*

[KII010](#) Industrial Environmental Management: *Tentamen enligt överenskommelse.*

[MIO030](#) Production and Inventory Control: *Obligatorisk för I06 och tidigare*

## 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	<a href="#">U</a>
EDA920	30	Degree Project in Computer Sciences for Engineers	<a href="#">U</a>
EITM01	30	Degree Project in Electrical and Information Technology	<a href="#">U</a>
MTT820	30	Degree Project in Engineering Logistics	<a href="#">U</a>
FKM820	30	Degree Project in Engineering Materials	<a href="#">U</a>
MAM920	30	Degree Project in Ergonomics for Engineers	<a href="#">U</a>
EIE920	30	Degree Project in Industrial Electrical Engineering and Automation	<a href="#">U</a>
INN920	30	Degree Project in Innovation	<a href="#">U</a>
MMK820	30	Degree Project in Machine Design for Engineers	<a href="#">U</a>
FMS820	30	Degree Project in Mathematical Statistics for Engineers	<a href="#">U</a>
FMA820	30	Degree Project in Mathematics for Engineers	<a href="#">U</a>
FME820	30	Degree Project in Mechanics for Engineers	<a href="#">U</a>
FMN820	30	Degree Project in Numerical Analysis	<a href="#">U</a>
MTT920	30	Degree Project in Packaging Logistics	<a href="#">U</a>
MMTM01	30	Degree Project in Production and Materials Engineering	<a href="#">U</a>
MIO920	30	Degree Project in Production Management	<a href="#">U</a>
ETS720	30	Degree Project in Software Engineering	<a href="#">U</a>
FHL820	30	Degree Project in Solid Mechanics for Engineers	<a href="#">U</a>
TMA820	30	Degree Project in Technology Management	<a href="#">U</a>