

Study programme Industrial Engineering and Management: September

In order to graduate students' individual study programme must be approved by the specialization coordinator

Legenda:

F = Financial Engineering and Management

I = Information and Technology Management

P = Production and Logistic Management

H = Health Care and Technology Management

generation 2012-2013 first year, September

Quartile/ Code	Course name	Exam	EC	Obligatory courses	recommended courses (electives)	Prior knowledge
1.1, sept						
	equalization course 1 (or elective)				F/I/P/H	
191515603	Introduction to Investment Theory	S	5	F		
191506103	Statistics and probability	S	5	F		
191860651	Micro Economics	S	5		F	
191863960	Foundations of Information Systems	S	5	I		
191852640	Production & Logistic IS	PSS	5	I	P	
192376500	Business Process Integration Lab	PSS	5	I		
191820160	Purchasing	PSS	5	P		
191820200	Discrete Optimization of Business Processes (1)	PSS	2,5	P/H		
191820210	Simulation (1)	PSS	2,5	P/H		
194111220	Clinical efficacy & MTA	PGI	5		H	
1.2, nov						
	equalization course 2				F/I/P/H	
194121110	Introduction to Industrial Engineering and Management	PSS	5	F/I/P/H		
191515201	Mathematical Finance	S	5	F		
201100051	Information Services	PSS	5	I		
191800770	Empirical Research & Data Analysis **	PSS	5		F/I/P/H	
191820210	Simulation (2)	PSS	2,5	P/H		
191820200	Discrete Optimization of Business Processes (2)	PSS	2,5	P/H		
194112110	Health & Health Systems	PSS	5	H		
1.3, febr						
191570350	Financial Econometrics	PSS	5	F		
191860181	Risk management	PSS	5	F		
191570300	Structured Products	S	5	F		
191810840	M & O of Technological Innovation	PSS	5		F/I/P/H	
201100163	Management of Technology for PLM *	PSS	5	P/I		30 EC
192340101	Implementation of IT in organizations	PSS	5	I	H	
192360021	ICT Management	PSS	5		I	
191820190	Supply Chain - & Transport Management	PSS	5	P		
194121020	Optimization of Healthcare Processes	S	5	H	P	
193640070	Clinical Safety and Quality Assurance	PGI	5	H		
1.4, apr						
191861641	Financial accounting	S	5		F	
201000202	Management Control for Financial Institutions	PSS	5		F	
201100162	Management of Technology for FEM *	PSS	5	F		30 EC
201100052	Global Project Management	PSS	5		I	
192376000	Business Case Development for IT Projects	PSS	5	I		
192320501	Electronic Commerce		5		I	
191852620	Advanced Production Planning	S	5	P		

191820120	Warehousing	PSS	5	P	H	
194122030	New Production Concepts	PSS	5		P	
	elective				H	
192360501	E-health strategies	S	5	H		
second year						Prior knowlegde
2.1, sept						
	Elective		5		F//I/P/H	
	Elective		5		F//I/P	
201200138	Special topics in Financial Engineering	S	2,5		F	
191820210	Simulation (1)	PSS	2,5		F/I	
192350200	E-strategizing	PSS	5		I	
191852630	Reliability Engineering & Maintenance management	S	5		P	
201000182	Management of Technology for Health Care *	PSS	5	H		30 EC
194111210	Medical decision making	PSS	5		H	
2.2, nov						
191864610	Organization & Strategy	S	5		F//I/P/H	
191800770	Empirical Research & Data Analysis **	PSS	5	F//I/P/H		
201200127	Preparation thesis PLM	PSS	5	P		
201200128	Preparation thesis FEM	PSS	5	F		
201200129	Preparation thesis ITM	PSS	5	I		
201200130	Preparation thesis HCTM	PSS	5	H		
201200138	Special topics in Financial Engineering	S	2,5			
191820210	Simulation (2)	PSS	2,5		F/I	
191820180	Reverse Logistics & re-manufacturing	PSS	5		P	
194112170	Quality and Safety in Health Care	PSS	5		H	
2.3 + 2.4						
194100060	Master thesis		30	F//I/P/H		80 EC

* ITM students can choose one of the Management of Technology courses from other IEM specializations

** Empirical Research & Data Analysis as obligatory course can be attained in the first or second year of study

How to plan and choose:

step 1: Write down your obligatory courses

step 2: Complete your IEM study programme up to 120 EC with the remaining IEM master courses or courses from other (inter)national technical Master programmes.

step 3: Discuss your complete study programme (and the content of your research port folio) with your coordinator.

step 4: Get a final approval from your coordinator (by email with a copy to the office of educational affaires and the study-counselor)

Departure from the rules mentioned above, such as implementation of (inter)national technical courses, need approval from the track coordinator and the exam committee

If you have questions concerning the elective courses, personal issues, planning etc. , please see your study counselor.

Study programme Industrial Engineering and Management: February

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1.1, febr						
	FIM equalization course (or elective)		5		P	
	SMOM equalization course (or elective)		5		P/H	
	DetModOR equalization course (or elective)		5		H	
	Business Process Mngt equalization course (or elective)		5		I	
	equalization course (or elective)		5		F/I	
	Elective		5		F	
191810840	M & O of Technological Innovation	PSS	5		F//P/H	
1.2, apr						
	equalization course 2 (or elective)				F/I	
	Elective		5		P/H	
	Elective		5		P	
191861641	Financial accounting	S	5		F//H	
201000202	Management Control for Financial Institutions	PSS	5		F	
201100052	Global Project Management	PSS	5		I	
194122030	New Production Concepts	PSS	5		P	
194112060	The Nature of Hospital Work and Healthcare Workers	PSS	5		H	
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192376000	Business Case Development for IT Projects	PSS	5	I		
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