

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

Legenda:

F = Financial Engineering and Management
 P = Production and Logistic Management
 H = Health Care and Technology Management

generation 2015-2016 first year, February						
Quartile/ Code	Coursename	Exam	EC	Obligatory courses	Recommended courses (electives)	Prior knowledge
1.1, febr						
elective or abroad						
191530881	equalization course (Stochastic models of OM) *		5		P/H	
201300075	Management of Organisation, Operations and Technological Innovation	PSS	5		F/P/H	
191852630	Reliability Engineering & Maintenance Management	PSS	5		P	
193640070	Clinical Safety and Quality Assurance	PGI	5	H		
	Elective		5		F	
201400174	Data Science**	PSS	5	F/P/H		
1.2, apr						
elective or abroad						
	equalization course 2 *				P/H/F	
	Elective		5		P/H	
	Elective		5		F/P/H	
194105070	Information Systems for the Financial Services Industry	PSS	5		F	
194122030	New Production Concepts	PSS	5		P	
1.3, sept						
194121110	Introduction to Industrial Engineering and Management	PSS	5	F/P/H		
191506103	Statistics and probability (+)	S	5	F/P/H		
191860651	Micro Economics	S	5	F		
191521800	Game Theory	S	5		F	
191820200	Discrete Optimization of Business Processes (1)	PSS	2,5	P/H		
191820210	Simulation (1)	PSS	2,5	P/H		
191820160	Purchasing	PSS	5		P	
201100002	Health Care Purchasing	PSS	5		H	
201000182	Management of Technology for Health Care	PSS	5	H		
194111210	Medical decision making	PSS	5		H	
194111220	Clinical efficacy & MTA	PGI	5		H	
1.4, nov						
201300060	Mathematical Finance	S	5	F		
201200138	Special topics in Financial Engineering	S	5	F		
201400244	Cost Management and Engineering	PSS	5		F	
191515101	Introduction to Risk Theory	S	5	F		
191820200	Discrete Optimization of Business Processes (2)	PSS	2,5	P/H		
191820210	Simulation (2)	PSS	2,5	P/H		
191864610	Organization & Strategy	S	5		F/P/H	
191820180	Reverse Logistics & re-manufacturing	PSS	5		P	
194112170	Quality and Safety in Health Care	PSS	5		H	
194112110	Health & Health Systems	PSS	5	H		
second year						Prior knowlegde
2.1, febr						
191860181	Risk management	PSS	5	F		
201300062	Structured Products	S	5	F		
201100163	Management of Technology for PLM	PSS	5	P		
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		
2.2, apr						
201200127	Preparation thesis PLM	BAHL	5	P		
201200128	Preparation thesis FEM	BAHL	5	F		
201200130	Preparation thesis HCTM	BAHL	5	H		
201100162	Management of Technology for FEM	PSS	5	F		
201000202	Management Control for Financial Institutions	PSS	5	F		
191852620	Advanced Production Planning	S	5	P		
191820120	Warehousing	PSS	5	P	H	
192360501	E-health strategies	S	5	H		
2.3 + 2.4						
194100060	Master thesis		30	F/P/H		80 EC incl. preparation course

* equalization courses only for non BSc TBK students. Other students to discuss with specialization coordinator

** 201400174, Data Science is also offered in the third quartile (2015-2016)

(+) Students who already finished this MSc course before the master, have to contact the specialisation coordinator

WARNING If you consider going abroad for a semester obligatory courses should be planned carefully.

How to plan your program

All students join obligatory courses in the first quartile. During this first quartile you discuss your ideas about your individual program with you specialization coordinator. Draft your plan:

- 1 Write down your obligatory specialization courses
- 2 Complete your IEM study program up to 120 EC with:
 - a) equalization courses, to discuss with the specialization coordinator
 - b) other technical UT master courses (i.c. IEM)
 - c) master courses from other (inter)national technical Master program's
- 3 Discuss your complete study program (and your personal motivation) with your study counselor
- 4 Get a final approval from your specialization coordinator

Implementation of non-technical or (inter)national courses needs approval from the specialization coordinator and the exam committee.

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