

## Degree Course: Master of Science Information Systems

### Core and advanced section Information Systems

In accordance with section 33(1), No. 1 of the Examination Regulations, the examination candidate must obtain 18 ECTS credits in the core and advanced section.

Group	Module	ECTS	CC/ EC	Required ECTS
Core and advanced section Information Systems	Core Module Information Systems I	6	CC	18
	Core Module Information Systems II	6	CC	
	Core Module Digital Transformation	6	CC	

## Specialisation section Information Systems

In accordance with section 33(1), No. 2 of the Examination Regulations, the examination candidate must obtain 48 ECTS credits in the specialisation section.

Group	Module	ECTS	CC/EC	Required ECTS
Specialisation Information Systems	Specialisation Module Information Systems I	6	EC	18
	Specialisation Module Information Systems II	6	EC	
	Specialisation Module Information Systems III	6	EC	
	Specialisation Module Information Systems IV	6	EC	
	Specialisation Module Research in Information Systems (Research Track)	6	EC	
	Specialisation Module Digital Transformation I	6	EC	
	Studies Abroad in Information Systems (Master)	6	EC	
Specialisation Computer Sciences	Specialisation Module Theoretische Informatik	9	EC	18
	Specialisation Module Praktische Informatik	9	EC	
	Specialisation Module Angewandte Informatik	9	EC	
	Specialisation Module Technische Informatik	9	EC	
Seminars	Specialisation Module Seminar Information Systems I	6	EC	12
	Specialisation Module Seminar Information Systems II	6	EC	
	Specialisation Module Seminar Informatik	6	EC	

## Supplementary section Information Systems

In accordance with section 33(1), No. 3 of the Examination Regulations, the examination candidate must obtain 24 ECTS credits in a subgroup of the supplementary section.

Group	Module	ECTS	CC/ EC	Required ECTS
Accounting and Taxation	Specialisation Module Besteuerung der Unternehmen	12	EC	24
	Specialisation Module Operative and Strategic Controlling	12	EC	
	Specialisation Module International Accounting	6	EC	
	Specialisation Module Corporate Valuation	6	EC	
	Specialisation Module Selected Issues in Business Taxation I	6	EC	
	Specialisation Module Selected Issues in Business Taxation II	6	EC	
	Specialisation Module Value-based Controlling	6	EC	
	Specialisation Module Ausgewählte Fragen der Rechnungslegung und Wirtschaftsprüfung I	6	EC	
Business Research	Specialisation Module Research in Finance (Research Track)	6	EC	24
	Specialisation Module Research on Organizations and Innovation (Research Track)	6	EC	
	Specialisation Module Research in Supply Chain Management (Research Track)	6	EC	
	Specialisation Module Research in Marketing (Research Track)	6	EC	

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	Core Module Advanced Mathematics	6	EC		
	Core Module Advanced Experimental Methods	6	EC		
	Core Module Advanced Computational Methods	6	EC		
	Core Module Advanced Microeconomics I	6	EC		
	Core Module Advanced Microeconomics II	6	EC		
	Core Module Advanced Macroeconomics I	6	EC		
	Core Module Advanced Macroeconomics II	6	EC		
	Core Module Advanced Econometrics I	6	EC		
	Core Module Advanced Econometrics II	6	EC		
Corporate Development	Specialisation Module Business Ethics	6	EC	Min. 12	24
	Specialisation Module Strategic Human Resource Management	6	EC		
	Specialisation Module Strategic Management	6	EC		
	Specialisation Module Advanced Business Ethics (6 LP)	6	EC	Max. 12	
	Specialisation Module Organization Theory	6	EC		
Design & Behavior	Core Module Microeconomics	6	EC	24	
	Specialisation Module Economic Engineering	6	EC		
	Specialisation Module Auction Theory	6	EC		

	Specialisation Module Vertragstheorie	6	EC	
	Specialisation Module Behavioral Economics	6	EC	
	Core Module Experimental Methods	6	EC	
	Specialisation Module Matching and Market Design: Theory and Practice	6	EC	
Finance	Specialisation Module Financial Theory	12	EC	24
	Specialisation Module Financial Institutions Management	12	EC	
	Specialisation Module Finance 2	6	EC	
	Specialisation Module Finance 5	6	EC	
	Specialisation Module Finance 6	6	EC	
	Specialisation Module Finance 7	6	EC	
	Specialisation Module Finance 8	6	EC	
	Specialisation Module Value-Based Management in Insurance	6	EC	
	Specialisation Module Selected Issues in Finance I (6 LP)	6	EC	
	Specialisation Module Selected Issues in Finance II	6	EC	
	Markets & Institutions	Core Module Microeconomics	6	
Specialisation Module Competition Policy		6	EC	
Specialisation Module Specific Markets A		6	EC	

	Specialisation Module Specific Markets B	6	EC		
	Specialisation Module Economics of Innovation	6	EC		
	Specialisation Module Matching and Market Design: Theory and Practice	6	EC		
Media Management	Specialisation Module Media and Technology Management: Enterprises, Markets, and Strategies (6 LP)	6	EC	Min. 12	24
	Specialisation Module Media Economics (6 LP)	6	EC		
	Specialisation Module Media and Technology Management: Platforms, Information Goods and Infrastructure (6 LP)	6	EC		
	Specialisation Module Media and Technology Management Selected Issues	6	EC	Max. 12	
	Specialisation Module Media and Technology Management Selected Issues II	6	EC		
	Specialisation Module Media and Technology Management: Research and Publications	6	EC		
	Specialisation Module Media and Technology Management: Entrepreneurship / Project	6	EC		
Growth, Labor and Inequality in the Global Economy	Core Module Macroeconomics	6	EC	24	
	Specialisation Module Foundations in Growth, Labor and Inequality in the Global Economy A	6	EC		
	Specialisation Module Foundations in Growth, Labor and Inequality in the Global Economy B	6	EC		
	Specialisation Module Foundations in Growth, Labor and Inequality in the Global Economy C	6	EC		
	Specialisation Module Topics in Growth, Labor and Inequality in the Global Economy	6	EC		
	Specialisation Module Economics of Innovation	6	EC		

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Energy Economics	Specialisation Module Seminar in Energy, Resource and Environmental Economics	6	EC	24
	Specialisation Module Energy Markets and Regulation (Master)	6	EC	
	Specialisation Module Topics in Energy Markets and Regulation A	6	EC	
	Specialisation Module Topics in Energy Markets and Regulation B	6	EC	
	Specialisation Module Topics in Energy, Resources, Environment and the Economy A	6	EC	
	Specialisation Module Topics in Energy, Resources, Environment and the Economy B	6	EC	
	Specialisation Module Competition Policy	6	EC	
Statistics & Econometrics	Specialisation Module Time Series Analysis	6	EC	24
	Specialisation Module Bayesian Econometrics	6	EC	
	Specialisation Module Statistical Analysis of Financial Data	6	EC	
	Specialisation Module Advanced Statistics (Stochastic Processes)	6	EC	
	Specialisation Module Advanced Statistics (Statistical Inference)	6	EC	
	Specialisation Module Topics in Statistics A	6	EC	
	Specialisation Module Topics in Statistics B	6	EC	
	Specialisation Module Topics in Econometrics C	6	EC	
	Specialisation Module Seminar Statistics and Econometrics	6	EC	
	Specialisation Module Multivariate Statistics	6	EC	
	Core Module Econometrics I	6	EC	
	Core Module Econometrics II	6	EC	

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Supply Chain Management	Specialisation Module Supply Chain Strategy	6	EC	24
	Specialisation Module Supply Chain Innovation	6	EC	
	Specialisation Module Behavioral Operations (Adv.)	6	EC	
	Specialisation Module Supply Chain Operations (6 LP)	6	EC	
	Specialisation Module Supply Network Design	6	EC	
	Specialisation Module Operative Supply Chain Planning	6	EC	
Wirtschaftsgeographie	Supplementary Module Economic Geography I	6	CC	24
	Supplementary Module Wirtschaftsgeographie II	12	CC	
	Supplementary Module Economic Geography III	6	CC	
Studies Abroad	Studies Abroad I (Master)	12	CC	24
	Studies Abroad II (Master)	12	CC	

### Master's thesis Information Systems

In accordance with section 21(7) of the Examination Regulations, 30 ECTS are awarded for the Master's thesis in the Business Administration programme.

Module	ECTS	CC/EC	Required ECTS
Master's thesis in the programme Information Systems	30	CC	30