

Introductory Session for Master Students in Business Informatics



Introductory Session for Master Students

in the degree program

Master of Science in Business Informatics

at the University of Mannheim

FSS 2021

These slides will be available for download
on the following website:

www.wim.uni-mannheim.de

Master Mailing List

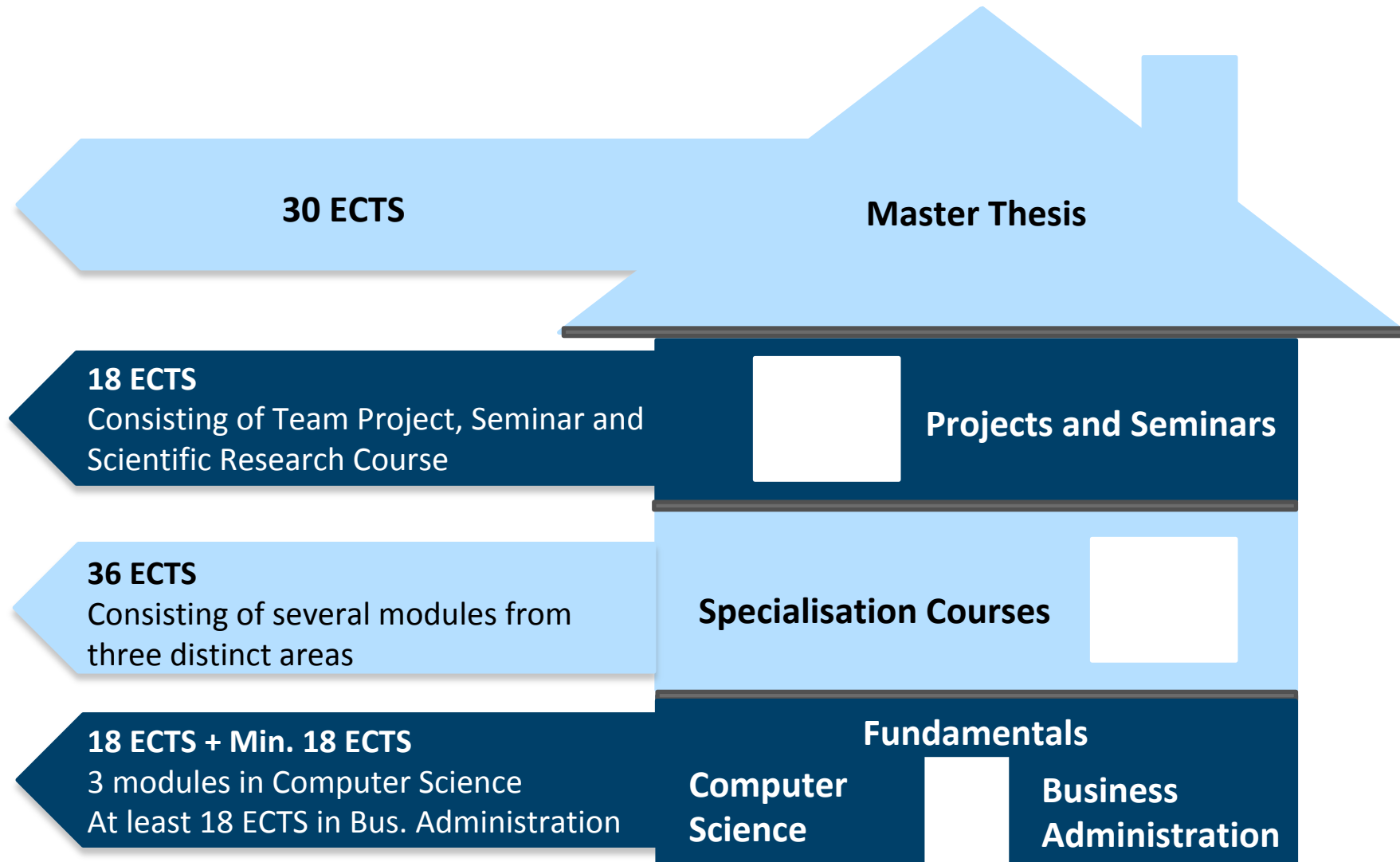
You will be added to the wifo-master mailing list.

Please note: All email correspondence will from now on go to your University of Mannheim email account!

Agenda

- **Structure of the M.Sc. Program**
 - Fundamentals
 - Specialization Courses
 - Projects and seminars
 - Master Thesis

Structure of the M.Sc. Program



Structure of the M.Sc. Program

Fundamentals Computer Science

Module no.	Name of module	Offered	Language	ECTS
CS 500	Advanced Software Engineering	HWS	E	6
CS 530	Database Systems II	FSS	E	6
CS 550	Algorithmics	FSS	E	6
CS 560	Large Scale Data Management	HWS	E	6
IE 500	Data Mining I	FSS/HWS	E	6
IE 560	Decision Support	HWS	E	6
IS 553	System Software	MMM	E	6

Structure of the M.Sc. Program

Fundamentals Business Administration

Five distinct focus areas:

Operations Management (OPM)

Management (MAN)

Marketing (MKT)

**Accounting and Taxation (ACC &
TAX)**

Banking, Finance and Insurance (FIN)

Structure of the M.Sc. Program

Specialisation Courses



**Computer
Science (CS)**



**Information
Engineering (IE)**



**Information
Systems (IS)**

Specialization Courses

CS-Courses

Module no.	Name of Module	Offered	Language	ECTS
CS 600	Model Driven Development	HWS	E	6
CS 605	GPU Programming	HWS	E	6
CS 646	Higher Level Computer Vision	FSS	E	6
CS 647	Image Processing	HWS	E	6
CS 651	Kryptographie II	HWS	G/E	6
CS 652	Data Security	FSS	E	6
CS 654	Internet of Things Security	HWS	E	6

Specialization Courses

IE-Courses

Module no.	Name of Module	Offered	Language	ECTS
IE 630	Query Optimization	FSS	E	6
IE 650	Semantic Web Technologies	HWS	E	6
IE 661	Text Analytics	HWS	E	6
IE 663	Information Retrieval and Web Search	FSS	E	3
IE 670	Web Data Integration	HWS	E	3
IE 671	Web Mining	FSS	E	3
IE 672	Data Mining II	FSS	E	6

Specialization Courses

IE-Courses

Module no.	Name of module	Offered	Language	ECTS
IE 674	Hot Topics in Machine Learning	HWS	E	6
IE 675	Machine Learning	HWS	E	6
IE 676	Network Analysis	HWS	E	6
IE 691	Information Retrieval Project	FSS	E	3
IE 683	Web Data Integration Project	HWS	E	3
IE 684	Web Mining Project	FSS	E	3
IE 689	Relational Learning	HWS	E	6

Specialization Courses

IS-Courses

Module no.	Name of module	Offered	Language	ECTS
IS 510	Process Management : No offering in spring 2021; The topics are integrated in IS 514	MMM*	E	6
IS 512	IT Management in the Digital Age	MMM*	E	6
IS 513	Applied IT Management in the Digital Age	MMM*	E	6
IS 514	Process Mining and Analytics	MMM*	E	6
IS 540	Management of Enterprise Systems	MMM*	E	6
IS 541	Methods and Theories in Information Systems (ManTIS)	MMM*	E	6
IS 553	System Software	MMM*	E	6
IS 602	Business Intelligence and Management Support Systems	MMM*	E	6
IS 607	Digital Innovation	MMM*	E	6

Specialization Courses

IS-Courses

Module no.	Name of Module	Offered	Language	ECTS
IS 613	Applied Project in Design Thinking and Lean Software Development	MMM*	E	6
IS 614	Corporate Knowledge Management	MMM*	E	6
IS 615	Design Thinking and Lean Development in Enterprise Software Development	MMM*	E	6
IS 621	Self-Organizing and Adaptive Systems	MMM*	E	6
IS 629	Product Management and Product Design for Software	MMM*	E	6
IS 651	Behavioral perspectives on E-Business : No offering in Spring 2021	MMM*	E	6

For a detailed description please use the module catalog of the „Mannheim Master in Management“:

https://www.bwl.uni-mannheim.de/media/Fakultaeten/bwl/Dokumente/Studium/MMM/Modulkatalog_MMM_Deutsch.pdf

How to select your Specialization Courses

- You need modules with 36 ECTS in total
- You have the free choice among all offered modules
- After passing the subject area Fundamentals Computer Science, you may choose additional courses from this area as specialization courses
- More information can be found in the examination regulations (§ 28)

Projects and Seminars



Team Project
12 ECTS



Seminar
4 ECTS



**Scientific
Research**
2 ECTS

Projects and Seminars - Team Projects

- 12 ECTS, 1 or 2 semesters
- Registration: portal²
- Registration is possible AFTER the presentation of the new Team Projects!
- Presentation: on 02.03. 12:00-13:30. You can find the Zoom for the presentation here:
[https://portal2.uni-mannheim.de:443/portal2/pages/startFlow.xhtml? flowId=detailView-flow&unitId=52414&periodId=928.](https://portal2.uni-mannheim.de:443/portal2/pages/startFlow.xhtml?flowId=detailView-flow&unitId=52414&periodId=928)

Projects and Seminars - Team Projects

Withdrawal from a team project:

- If you have applied and have been accepted for a team project, then you are registered for the examination
- You can withdraw from the team project within
 - 3 weeks for a 6 month team project
 - 6 weeks for a 12 month team project
- To withdraw from the team project you have to inform:
 - Your supervisor
 - Birgit Czanderle (will inform the Student Services Office)

Projects and Seminars

Scientific Research Course

- 2 ECTS
- Block seminar during the semester or in lecture-free period
- Offered several times a year
- Dates will be announced via mailing list

Seminars

Module no.	Name of module	Offered	Language	ECTS
CS 701	Selected Topics in Algorithmics and Cryptography	FSS	E	4
CS 704	Master Seminar Artificial Intelligence	HWS/FSS	E	4
CS 705	Datenbankseminar	HWS/FSS	G	4
CS 707	Seminar Data and Web Science	HWS/FSS	E	4
CS 708	Seminar Software Engineering Prof. Atkinson	HWS/FSS	E	4
CS 709	Seminar Text Analytics	HWS/FSS	G/E	4
CS 710	Seminar Prof. Paulheim	HWS/FSS	G/E	4
CS 715	Seminar Prof. Bizer	HWS/FSS	G/E	4
CS 716	Seminar Prof. Armknecht	irregular	E	4
CS 717	Master Seminar on Computer Vision	HWS	E	4
CS 718	AI and Data Science in Fiction and Society	HWS	E	4
CS 719	Seminar on Process Analysis	HWS/FSS	E	4
IE 704	Seminar AI Systems Engineering	HWS/FSS	E	4
IS 712	Contemporary Issues in Information Systems Research	HWS/FSS	E	4
IS 722	Seminar Trends in Distributed Systems	MMM*	E	4
IS 742	Seminar Trends in Enterprise Systems	MMM*	E	4
IS 751	E-Government Adoption and Societal Change	MMM*	E	4
IS 752	Seminar on Process and Management Analytics	MMM*	E	4

Seminars

- Registration for CS-seminars via Portal²
- You have to choose at least 3 priorities
- IE- and IS-seminars have different application process
- BUT: consider the requirements of each seminar

Master's Thesis



- 6 Months
- Every chair has individual requirements that you have to fulfill to be considered
- It is recommended to not write any exams during this period

Master's Thesis

In addition to the general information:

- It is your own responsibility finding a supervisor
- So start early enough getting in contact with relevant chairs

If you cannot find a supervisor after a relevant effort you can apply for our
EMERGENCY-process.

But keep in mind: this is really for emergency and not Plan A to do!

Study Abroad

- All students have the opportunity to study abroad
- for one or two semesters
- without paying tuition fees

Where to?



- with over **450 partner universities in 60 countries** you can choose from a variety of universities all around the globe
- 70 of those are faculty-owned partner universities
- even lesser-known regions can become exciting destinations for your exchange!

First steps



- take a look at the different **application deadlines**, depending on your program of study and your host country
- take part in one of the mandatory **Introductory Study Abroad Sessions** right at the beginning of your studies
- look for suitable **partner universities** all around the globe

Application Deadlines

Exchange destinations and application deadlines are divided into three regions:

Region	Deadline	Semester
Overseas South & Japan	30 April 2021	3 (spring 2022) or 4
Overseas North	15 Oktober 2021	4 (fall 2022) or 5
Europe (without Russia)	31 January 2022	4 (fall 2022) or 5

Table for Master degrees starting in the spring term 2021.



If you want to travel to Overseas South in fall or spring semester of 2022, you have to apply by 30 April 2021!

Contact

Juliane Roth, M.A.

Departmental Exchange Coordinator



University of Mannheim

School of Business Informatics and Mathematics

B 6, 26

Gebäudeteil B – Room B 1.05

68159 Mannheim

Phone: +49 621 181-2340

Fax: +49 621 181-2423

E-mail: roth@wim.uni-mannheim.de

Consultation hour(s):

by appointment via email

Chairs and professorships

Prof. Dr. Christian Bizer
Lehrstuhl für Wirtschaftsinformatik V
(Web-based Systems)

Prof. Dr. Rainer Gemulla
Lehrstuhl für Praktische Informatik I
(Data Analytics)



Chairs and professorships

Prof. Dr. Heiko Paulheim
Lehrstuhl für Data Science (interim)

Prof. Dr. –Ing. Margret Keuper
Data and Web-Science Group – Image
Processing



Chairs and professorships

Prof. Dr. Heiner Stuckenschmidt
Lehrstuhl für Praktische Informatik II
(Artificial Intelligence)

Prof. Dr. Guido Moerkotte
Lehrstuhl für Praktische Informatik III
(Datenbankmanagementsysteme)



Chairs and professorships

Prof. Dr. Frederik Armknecht
Lehrstuhl für Praktische Informatik IV
(Dependable Systems Engineering)

Prof. Dr. Matthias Krause
Lehrstuhl für Theoretische Informatik



Chairs and professorships

Prof. Dr. Colin Atkinson
Lehrstuhl für Softwaretechnik

Prof. Dr. Goran Glavaš
Chair of Information Systems III: Text
Analytics for Interdisciplinary Research



Chairs and professorships

Prof. Dr. Simone Paolo Ponzetto
Chair of Information Systems III: Enterprise
Data Analysis

Prof. Dr. Han van der AA
Chair of Artificial Intelligence Methods



Your student council



Work of the student council

- Committee work
- Student support
- Introductory events
- Collection of examinations and examination protocols
- Information (website, mailing lists, notices)
- Student advisory service
- Corporate cooperations
- Company presentations
- Workshops
- Parties and events

Newsletter

- Mailing list on which we inform you about important events
studinfo@fim.uni-mannheim.de
- We strongly recommend the entry in the Studinfo list
- Link via
<https://fim.uni-mannheim.de/studium/maillinglisten/>

Important Links

- Student Council (FIM)
 - fim.uni-mannheim.de
- School of Business Informatics and Mathematics
 - www.wim.uni-mannheim.de
- Studienbüros
 - <https://www.uni-mannheim.de/studium/im-studium/>
- Portal²
 - www.portal2.uni-mannheim.de
- ILIAS
 - www.ilias.uni-mannheim.de

Thank you for your attention!

Questions?