

Mannheim Master in Management Analytics & AI (Full-Time)



Self-Assessment of Academic Background

1. Purpose of this form

The Full-Time Mannheim Master in Management Analytics & AI is designed for applicants from a broad range of academic backgrounds. To follow the program successfully, applicants are expected to have prior academic knowledge in business and/or economics as well as in quantitative or technological methods.

This self-assessment helps us understand the academic background you bring to the program. Please list the relevant courses from your previous degree(s) and indicate which competence area each course contributes to. The assessment focuses on the competences and learning outcomes you have actually acquired – not solely on course titles.

2. Relevant competence areas

Competence area	What we look for
A Business & Economics	Foundations of business administration and/or economics, e.g. accounting, finance, marketing, operations, management, microeconomics, macroeconomics, decision-making, managerial economics.
B Quantitative Methods	Mathematical and statistical foundations, e.g. calculus, linear algebra, probability, descriptive and inferential statistics, econometrics, optimization, operations research, quantitative modelling.
C Computing & Information Systems	Programming and data-related competences, e.g. programming languages, algorithms and data structures, databases, data science, machine learning, software engineering, information systems, business intelligence.

Typically, applicants combine competences from area A with competences from areas B and/or C. A particularly strong quantitative or technological background (areas B and C) can also provide suitable preparation for the program where previous studies contain little or no business or economics coursework.

3. How to complete this form

- List the courses from your previous studies that are relevant to the competence areas above. Use the course titles exactly as shown on your Transcript of Records.
- State the ECTS credits (or the credit system used by your university) and the institution and degree program in which you completed the course.
- Assign each course to the competence area (A, B or C) you consider most appropriate. If a course clearly covers more than one area, you may list it twice or note this in the last column.
- Where available, add a link to the official module description or indicate that you can provide an extract from the module handbook on request.
- Please list only successfully completed courses. Courses still in progress may be listed separately and marked as “in progress”.

First name(s)

Date of birth

Last name(s)

4. Course Overview

Module / course title (as on Transcript of Records)	Institution / degree program	ECTS / credits	Competence area (A/B/C)	Link to module description / remarks

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5. Examples of suitable subject areas

The following examples are provided for orientation only. They are neither exhaustive nor binding. A course is assessed on the basis of the competences it conveys, not on its title alone: an engineering module may, for example, contain highly relevant content in statistics, optimization or programming, while a course entitled “Data Science” does not by itself guarantee that the relevant competences were taught.

Competence area	Examples of subject areas (orientation only)
A Business & Economics	Financial and managerial accounting · Corporate finance, investment · Marketing · Operations, logistics and supply chain management · Organization, human resources, strategy · Business ethics · Microeconomics, macroeconomics · Industrial organization, game theory · International trade · Public economics · Behavioral economics · Managerial economics
B Quantitative Methods	Calculus / analysis · Linear algebra · Probability theory · Descriptive and inferential statistics · Econometrics · Business statistics · Mathematical methods for economists or engineers · Operations research · Optimization · Quantitative methods modules in engineering or natural sciences
C Computing & Information Systems	Programming (e.g. Python, R, Java, C++) · Algorithms and data structures · Database systems · Data science, machine learning, artificial intelligence · Software engineering · Information systems management · Business intelligence, analytics and decision support systems · Data visualization · Web development

Courses such as language training, presentation or communication skills, academic writing, introductory software application courses (e.g. spreadsheet or presentation tools) or purely legal modules do not usually contribute to the competence areas above. They are nevertheless part of your academic profile and do not need to be omitted from your application.

6. Review of unclear cases

Where the course title and the information provided in this form do not allow for a clear assignment to a competence area, we may ask you to submit the official module description or the relevant extract from your university’s module handbook. In such cases, the actual content, learning outcomes and level of the course will be reviewed.

7. Important note

The information provided will be reviewed as part of the application process. Where necessary, additional course information may be requested and the academic background may be subject to further academic review. The assessment of the academic admission requirements is governed by the applicable examination regulations of the University of Mannheim.

This self-assessment serves to evaluate the academic background of applicants. It does not constitute a formal admission decision and does not create admission requirements beyond those laid down in the applicable examination regulations.

8. Statement of Accuracy

I confirm that the information provided in this form is complete and accurate and corresponds to my Transcript of Records.

Name	
Date	
	Signature