



Master Meet and Greet

All you need to know about the Master of Science Data Science

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Fachschaft Mathematik & Informatik

https://www.uni-muenster.de/FB10/Studium/Ordnungen/data_science.shtml

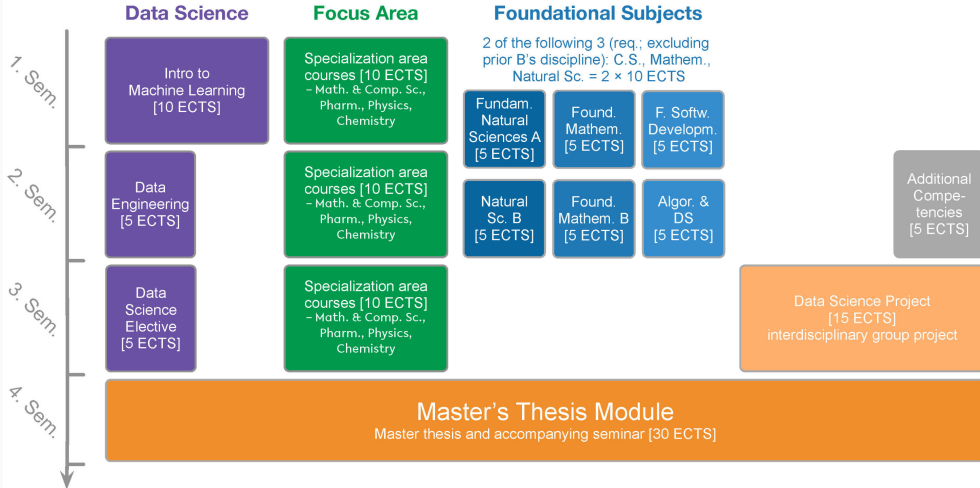
The screenshot shows the official website of the University of Münster, Faculty of Mathematics and Informatics (FB10). The page is titled 'Prüfungsordnung MSc Data Science'. It includes a navigation bar with links for 'FORSCHUNG', 'STUDIUM', and 'DER FACHBEREICH'. Below the navigation bar, there are tabs for various subjects: 'THEORETISCHE MATH.', 'INFORMATIK', 'STOCHASTIK', 'ANALYSIS UND NUMERIK', 'LOGIK', 'DIDAKTIK SEK.', and 'DIDAKTIK G/SP'. The main content area features a blue header with the title 'Prüfungsordnung MSc Data Science'. Below the title, there is a warning: 'Hinweis: Diese Liste dient zur allgemeinen Information über den Diskussionsstand am Fachbereich. Diese Dokumente werden daher ohne Rechtsverpflichtung veröffentlicht. Für definitive Aussagen zum aktuellen Stand der Studien- und Prüfungsordnungen wenden Sie sich bitte direkt an die Studienberater oder das Prüfungsamt.' The main content area is divided into two columns. The left column contains a section titled 'MSc Data Science, PO 2026' with a sub-section 'Studienbeginn ab Wintersemester 2026/27'. This sub-section lists two documents: 'Zugangs- und Zulassungsordnung (Amtliche Bekanntmachungen der Universität Münster; Stand: 17.2.2026)' and 'Masterprüfungsordnung (Amtliche Bekanntmachungen der Universität Münster; Stand: 17.2.2026)'. Below these documents, it states 'Die Liste der Modulverantwortlichen wird hier noch veröffentlicht.' The right column contains a sidebar with a list of links: 'FACHSTUDIENBERATUNG', 'STUDIENGÄNGE', 'PRÜFUNGSORDNUNGEN', 'Fachwissenschaftliche Studiengänge', 'BSc und MSc Mathematik', 'BSc und MSc Informatik', 'MSc Data Science', 'Studiengänge im Lehramtsbereich und Zwei-Fach-Bachelor', 'ZfB und M.Ed. Gym/Ges Mathematik', 'Bachelor BK und M.Ed. BK Mathematik', 'ZfB und M.Ed. Gym/Ges Informatik', 'HRSGe Mathematik', 'G Mathematik', 'sF Mathematik', and 'Zugangsprüfungsordnung'. At the bottom of the sidebar, there is a small note: 'Zusammenfassende Dokumente für Darstellung'.

No official translations yet!

A non-legally binding translation can be found on the [programme's website](#) or [here](#).

Overview

Programme Structure



Core Modules in Data Science (20 CP)

Mandatory Courses

- Introduction to Machine Learning (10 CP)
- Data Engineering (5 CP)

Core Modules in Data Science (20 CP)

Mandatory Courses

- Introduction to Machine Learning (10 CP)
- Data Engineering (5 CP)

Compulsory Elective Module (5 CP)

One out of the following:

- Advanced Machine Learning Seminar
- Computer Vision
- Deep Learning
- Deep Reinforcement Learning
- Physics Informed Machine Learning

Specialisations (30 CP)

Depending on the track you enrolled in ...

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Mathematical and Computational Data Science

30 CP from the following areas:

- modules in *mathematics* and *computer science*
- modules from the core *data science* area

Specialisations (30 CP)

Depending on the track you enrolled in ...

Mathematical and Computational Data Science

30 CP from the following areas:

- modules in *mathematics* and *computer science*
- modules from the core *data science* area

Data Science in Physics

- one module in *mathematics* or *computer science* or the core *data science* area (5 CP)
- modules in *physics* (25 CP)

Specialisations (30 CP)

Depending on the track you enrolled in ...

Mathematical and Computational Data Science

30 CP from the following areas:

- modules in *mathematics* and *computer science*
- modules from the core *data science* area

Data Science in Physics

- one module in *mathematics* or *computer science* or the core *data science* area (5 CP)
- modules in *physics* (25 CP)

Data Science in Chemistry

- modules in *chemistry* (30 CP)

Specialisations (30 CP)

Depending on the track you enrolled in ...

Mathematical and Computational Data Science

30 CP from the following areas:

- modules in *mathematics* and *computer science*
- modules from the core *data science* area

Data Science in Physics

- one module in *mathematics* or *computer science* or the core *data science* area (5 CP)
- modules in *physics* (25 CP)

Data Science in Chemistry

- modules in *chemistry* (30 CP)

Pharmaceutical Data Science

- modules in *pharmaceutics* (30 CP)

Specialisations (30 CP)

Depending on the track you enrolled in ...

Mathematical and Computational Data Science

30 CP from the following areas:

- modules in *mathematics* and *computer science*
- modules from the core *data science* area

Course Scheduling in Computer Science

The Department of Computer Science lists courses of upcoming semesters [on this website \[de\]](#).

Data Science in Physics

- one module in *mathematics* or *computer science* or the core *data science* area (5 CP)
- modules in *physics* (25 CP)

Data Science in Chemistry

- modules in *chemistry* (30 CP)

Pharmaceutical Data Science

- modules in *pharmaceutics* (30 CP)

Also depending on the track you enrolled in ...

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Mathematical and Computational Data Science

- *Advanced Foundations in Natural Sciences* (10 CP) **and**
 - *Advanced Foundations in Mathematics* (10 CP) **or**
 - *Fundamentals of Software Development, Algorithms and Data Structures* (10 CP)

Also depending on the track you enrolled in ...

Mathematical and Computational Data Science

- *Advanced Foundations in Natural Sciences* (10 CP) **and**
 - *Advanced Foundations in Mathematics* (10 CP) **or**
 - *Fundamentals of Software Development, Algorithms and Data Structures* (10 CP)

All other tracks

- *Advanced Foundations in Mathematics* (10 CP) **and**
- *Fundamentals of Software Development, Algorithms and Data Structures* (10 CP)

Additional Competencies (5 CP)

- giving a tutorial
- completing an internship
- attending a module outside your chosen specialisation

The other modules

Additional Competencies (5 CP)

- giving a tutorial
- completing an internship
- attending a module outside your chosen specialisation

Data Science Project (15 CP)

- interdisciplinary group project
- independent research project
- internship

The other modules

Additional Competencies (5 CP)

- giving a tutorial
- completing an internship
- attending a module outside your chosen specialisation

Data Science Project (15 CP)

- interdisciplinary group project
- independent research project
- internship

Master's Thesis (30 CP)

- can be registered as soon as 60 CP have been earned
- usual length: 60–100 pages
- module contains Master's seminar

Any questions left?

Ask now ...

- ...or personally after the presentation.
- ...or the Degree Program Coordinator's office via email [**datascience@uni-muenster.de**](mailto:datascience@uni-muenster.de)
- ...or us, the [**Fachschaft Mathematik & Informatik**](#).

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**Thanks for attending and all the best
with your studies!**