

# Mathematics (M.Sc.) - Effective 01 June 2024 - Field of Study: Mathematics in Data Science

The degree programme consists of 120 Credit Points (CP) in total:

Language of Tuition:  
ENGLISH  
certificates required

**Advanced Courses in Mathematics (Mandatory Subject Area):**

46 CP

**Elective Subject Area:**

31-34 CP

**Interdisciplinary Elective Area:**

5-8 CP

**Research/Thesis:**

35 CP

The following **module overview** is an abbreviated, easy-to-read version of the **official course schedule** in the examination regulations, to be found in the Satzungsbeilagen of TU Darmstadt:

1 <sup>st</sup> semester	2 <sup>nd</sup> semester	3 <sup>rd</sup> semester	4 <sup>th</sup> semester	
<p><b>Advanced Courses in Mathematics</b> (chose two modules with 18 CP each)</p> <p>Areas of research are: Analysis, Numerical Analysis, Optimization, Stochastics (Data Science)</p>		<p><b>Master Thesis</b> (30 CP)</p>		
				<p>Seminars or Projects in Mathematics (chose two with 5 CP each)</p>
				<p>Research Project Preparation (5 CP)</p>
<p>Additional Courses in Mathematics (9-14 CP)</p>				
<p>Courses in Computer Science (20-25 CP) (Data Science)</p>				
<p>Interdisciplinary Courses (5-8 CP), consisting of: Interdisciplinary Electives (0-3 CP); Studium Generale (5-8 CP)</p>				

Study Programmes

[www.tu-darmstadt.de/studieren](http://www.tu-darmstadt.de/studieren)

Course Schedule

[www.tucan.tu-darmstadt.de](http://www.tucan.tu-darmstadt.de)

Application and Admission for international students  
(International Office)

[www.tu-darmstadt.de/international](http://www.tu-darmstadt.de/international)

Zentrale Studienberatung und -orientierung ZSB  
(Central Student Advisory and Orientation Office)

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Opening hours: [www.zsb.tu-darmstadt.de](http://www.zsb.tu-darmstadt.de)

## Imprint

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# Mathematics Master of Science

Field of study: Mathematics in Data Science



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## Brief Description

The research-oriented Master of Science programme Mathematics is offered in four fields of study: Mathematics; Business Mathematics; Mathematics in Data Science; Interdisciplinary Mathematics. Mathematical areas of specialisation are: Algebra; Analysis; Geometry and Approximation; Mathematical Logic; Numerical Analysis; Optimization; Stochastics. Electives, interdisciplinary courses and General Studies complete the programme's profile and allow individual shaping of your research focus.

[www.mathematik.tu-darmstadt.de](http://www.mathematik.tu-darmstadt.de)

## Admission

For information on application deadlines please refer to [www.tu-darmstadt.de/bewerbung](http://www.tu-darmstadt.de/bewerbung)

[www.tu-darmstadt.de/application](http://www.tu-darmstadt.de/application)