

# Module Overview B.Sc. Mathematik - Studienrichtung Mathematik - 9 Semester

Degree Programm Guidelines as per 01.06.2024, Version: 01.06.2024 (SB2024III)

The degree programme consists of 180 Credit Points (CP) in total:

<b>Compulsory Mathematics Courses:</b> 83 CP	<span style="color: #00AEEF;">■</span>	<b>Electives:</b> 80 CP	<span style="color: #92D050;">■</span>
<b>Seminars and Projects:</b> 5 CP	<span style="color: #FFD700;">■</span>	- Programme-related Courses: 58 - 61 CP	<span style="color: #92D050;">■</span>
<b>Thesis:</b> 12 CP	<span style="color: #FF8C00;">■</span>	- General Modules: 19 - 22 CP	<span style="color: #92D050;">■</span>
		- Incl. Required Interdisciplinary Courses: 5 CP	<span style="color: #C0392B;">■</span>

**Language of Tuition:**  
**GERMAN**  
*Certificates required*



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This leads to the following possible part-time semester course schedule:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester	8. Semester	9. Semester
Analysis I* (9 CP)	Analysis II* (9 CP)	Ordinary Differential Equations (5 CP)	Integration Theorie (9 CP)	Introduction to Numerical Analysis (9 CP)	Introduction to Stochastics (9 CP)			Thesis* (12 CP)
Linear Algebra I* (9 CP)	Linear Algebra II* (9 CP)	Complex Analysis*	Introduction to Algebra (5 CP)		Algorithmic Discrete Mathematics* (5 CP)			
				Seminar* or Project* (5 CP)				
<p style="text-align: center;"><b>Minor Basic</b> <i>Chemistry; Computer Science; Mechanics; Physics; Economics; special minors upon request</i> (24 - 29 CP)</p>								
<p style="text-align: center;"><b>General Modules</b> - Compulsory General Modules (9 CP) - Elective General Modules (5 - 8 CP) (19 - 22 CP including Required Interdisciplinary Courses)</p>								
				Compulsory Elective Mathematics Courses* (32 - 37 CP)				
		Required Interdisciplinary Courses** (5 CP)						
Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP

\* Depending on the offer, the marked courses can be taken in English

\*\* Complete catalogue of all courses at the TU Darmstadt, with the exception of courses in Mathematics and the minor basic.