

Materials Science (M.Sc.) - Effective 01 June 2024

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

Language of Tuition:
ENGLISH
certificates required

- Mandatory Subject Area:** 52 CP ■
- including Mandatory Labs: 23 CP ■
- Elective Area Quantum Mechanics or Micromechanics:** 6 CP ■
- Elective Area (in total 32 CP):**
- including Elective Courses in Materials Science: 22-26 CP ■
- including Studium Generale: 6-10 CP ■
- Research/Thesis:** 30 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 st semester	2 nd semester	3 rd semester	4 th semester
Research Lab I (4 CP)	Research Lab II (4 CP)	Advanced Research Lab (15 CP)	Master Thesis (30 CP)
Functional Materials (6 CP)	Theoretical Methods in Materials Science (6 CP)		
Surfaces and Interfaces (5 CP)	Advanced Characterization Methods in Materials Science (6 CP)		
Elective Courses Quantum Mechanics or Micromechanics (6 CP)	Sustainable Materials (6 CP)		
Elective Courses Materials Science (22-26 CP)			
General Education (6-10 CP) Modules of TU Darmstadt			

Study Programmes

www.tu-darmstadt.de/studieren

Course Schedule

www.tucan.tu-darmstadt.de

Application and Admission for international students
(International Office)

www.tu-darmstadt.de/application

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

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Materials Science Master of Science



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Brief Description

The Master of Science in Materials Science focuses on functional materials such as energy materials, magnetic materials, or electronic materials, and their synthesis and characterisation. Materials scientists use this knowledge to develop new customized high-performance materials, and thus form the basis of the technologies of tomorrow. Cross-sectional topics include the replacement of critical raw materials, and the recycling of materials.

www.mawi.tu-darmstadt.de/yourstudies

Admission

www.tu-darmstadt.de/application