Study Plan Master of Science Materials Science at TU Darmstadt, Study Regulations 2024 (120 CP)

Language of Teaching: ENGLISH

This module overview is a translated and abbreviated easy-to-read version of the official course schedule as defined in the examination regulations, to be found in the "Satzungsbeilagen of TU Darmstadt". A minimum of 120 credit points (CP) is required for graduation.

1st Semester	*CP*	*2nd Semester*	*CP*	*3rd Semester* (optional stay abroad)	*CP*	*4th Semester*	*CP*
Research Lab I	**4**	Research Lab II	**4**	Advanced Research Lab	**15**	Master's Thesis and Defense	**30**
Quantum Mechanics for Mat. Sci. OR Micromechanics for Mat. Sci.	**6**	Theoretical Methods in Materials Science	**6**				
Functional Materials	**6**	Advanced Characterization Methods of Materials Science	**6**				
Surfaces and Interfaces	**5**	Sustainable Materials	**6**				
Elective Courses Materials Science (freely distributable over semesters)				**22-26***			
Studium Generale (General Education) (freely distributable over semesters)				**6-10***			
Mentoring	**0**						
Orientation Day	**0**						

Elective Courses Materials Science	22 - 26 CP*	Compulsory Courses	29 CP
		Elective Courses Mechanics (QM or MM)	6 CP
		Compulsory Lab Courses	23 CP
General Studies	6 - 10 CP*	Master's Thesis	30 CP
Recommended Supplementary Offers	0 CP	**Sum**	**120 CP**

Legend:

CP = Credit Points (ECTS system)
* = 4 CP of the total of 32 CP in the elective courses can be freely distributed between the two areas