Semester I	Semester II	Semester III	Semester IV
Programming Concepts in Materials Science: 6 CP	Quantum Mechanics in Materials Science: 4 CP	Continuum Methods in Materials Science: 4 CP	Master Thesis and Seminar: 30 CP
Elements of Microstructure: 3 CP	Microstructure and Mechanical Properties: 4 CP	Atomistic Simulation Methods: 4 CP	
Introduction to Quantum Mechanics in Solid State Physics: 6 CP	Advanced Characterization Methods: 6 CP	Free Specialization Module I: 6 CP	
Statistical Mechanics and Fundamental Materials Physics: 6 CP	Module Modelling & Simulation: 6 CP	Free Specialization Module II: 6 CP	
General Optional Lecture: 6 CP	Module Processing & Characterization: 6 CP	Optional Technical Scientific Lecture: 4 CP	
Soft Skills I: 3 CP (e.g. Scientific Writing)	Soft Skills II: 4 CP (e.g. German Language Course)	Research Project and Seminar: 6 CP	

Basic Lectures	Compulsory	Specialization	Research Project and Master Thesis	Optional Lectures