List of modules

	Compulsory / Elective	Credits
Fundamentals		48
F1 Fundamentals of Functional Materials	Compulsory	6
F2 Quantum Theory of Functional Materials	Compulsory	6
F3 Basic Laboratory	Compulsory	12
F4 Functional Materials Laboratory	Compulsory	12
F5 Research Laboratory	Compulsory	12
Elective		30 or 36
B1 Methods in Material Science 1	Elective	6
B2 Methods in Material Science 2	Elective	6
B5 Molecular Materials 1	Elective	6
B6 Molecular Materials 2	Elective	6
B7 Solid State Spectroscopy 1	Elective	6
B8 Solid State Spectroscopy 2	Elective	6
B9 Quantum Technology	Elective	6
B10 Quantum Chemistry	Elective	6
B11 Nanophysics and Nanotechnology	Elective	6
B12 Methods of Materials Characterization	Elective	6
B13 Selected Topics in Functional Materials 1	At least one of	6
	B13 and B17	
B16 Numerical Methods	Elective	6
B17 Selected Topics in Functional Materials 2	At least one of	6
	B13 and B17	
B18 Chemical Synthesis	Elective	6
B19 Concepts of Functional Materials 1	Elective	6
B20 Concepts of Functional Materials 2	Elective	6
B21 Advanced Concepts of Functional Materials 1	Elective	6
B22 Advanced Concepts of Functional Materials 2	Elective	6
Profile		6 or 12
Key Skills	Elective	6
Import modules listed in Appendix 3	Elective	6 or 12
Pre-graduation		30
F6 Master Thesis and Defense	Compulsory	30
Total		120

The credits given in the right column correlate with the workload.