

ADVANCED MATERIALS Curriculum Nanomaterials

	1st semester		2nd semester		3rd semester		4th semester	
Materials Science	Materials Science I	5 CP	Materials Science II	5 CP	Lab Materials Science II	5 CP		
			Computational Methods in Materials Science	4 CP				
			Lab Materials Science I	5 CP				
Chemistry	Physical Chemistry	4 CP						
	General Chemistry	2 CP						
	Synthesis of Org. & Inorg. Materials	4 CP						
Physics	Introductory Solid State Physics	5 CP	Advanced Physics of Materials	4 CP				
	Lab Intermediate Physics	4 CP						
Engineering	Introductory Engineering	5 CP			Micro- and Nanotechnology	4 CP		
Nanomaterials					Functional Properties of Nanomaterials	3 CP		
					Principles of structure formation in nanomaterials	5 CP		
Elective Courses			Elective Courses in Nano- / Biomaterials	9 CP	Elective Courses in Nano- / Biomaterials	9 CP		
ASQ	German Language I	3 CP	German Language II	3 CP	German Language III	2 CP		
Master Thesis							Master Thesis	30 CP
		32 CP		30 CP		28 CP		30 CP