

Tabelle1

ECTS →	3	6	9	12	15	18	21	24	27	30	sum
6. semester	Practice Module Engineering Physics (PB)					Thesis					
SWS	450h total					450h total					
ECTS	15					15					30
5. semester	Control Theory	Solid State Physics		Material Sciences		PB / e.g. Specialization		PB / e.g. Lab Project II			
SWS	5	6		4		4		6		25	
ECTS	6	6		6		6		6		30	
4. semester	Numerical Methods	Thermodynamics & Statistics		Metrology		Quantum Structure of Matter		PB / e.g. Specialization		23	
SWS	4	6		5		4		5		24	
ECTS	6	6		6		6		6		30	
3. semester	Mathematical Methods for Physics and Engineering III	Atomic and Molecular Physics		Lab Project I		Specialization		PB / e.g. Specialization		23	
SWS	4	6		6		2	2	5		25	
ECTS	6	6		6		3	3	6		30	
2. semester	Mathematical Methods for Physics and Engineering II	Electrodynamics and Optics			Basic Engineering (Applied Mechanics)	Electronics		Lab Project I (Design Fundamentals)	Basic Laboratory (Course II)		
SWS	4	6		2	2	6		2	4	26	
ECTS	6	6		3	3	6		3	4	31	
1. semester	Mathematical Methods for Physics and Engineering I		Mechanics		Basic Engineering (Production Engineering)	Basic Laboratory (Course I)		PB / e.g. Computing			
SWS	6		6		2	5		4		23	
ECTS	9		6		3	5		6		29	

Engineering Physics Mathematics Laboratory Selective Thesis