

Table 1: Curriculum - Bachelor Engineering Physics: Math, Physics, Engineering, Specialization, Laboratory, Thesis $\sum SWS = 101, \sum CP = 180$

CP →	3	6	9	12	15	18	21	24	27	30	sum
6. Semester	Praxismodul Engineering Physics (PB)					Thesis					
SWS	1(2 Month)					2 (max. 4 month)					3
CP	15					15					30
5. Semester	Control Systems	Solid-State Physics		Material Science		PB e.g. Spec.		PB / Lab Project II			
SWS	5	6		4		4		6			25
CP	6	6		6		6		6			30
4. Semester	Numerical Methods	Thermodynamics & Statistics		Metrology		Quantum Structure of Matter		PB e.g. Spec.			
SWS	4	6		5		4		4			23
CP	6	6		6		6		6			30
3. Semester	Mathematical Methods for Physics and Engineering III	Atomic and Molecular Physics		Lab Project I (Project)		Specialization		PB e.g. Computing			
SWS	4	6		6		2	2	5			25
CP	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
CP	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. Language			
SWS	6		6		2	4		4			22
CP	9		6		3	5		6			29