Module Overview „Engineering Physics“

ECTS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1W	Introduction to Advanced Mathematics					Scientific Basics					German Basics 1					German Basics 2							Soft Skills and Culture			Academic English Skills				
2S	Techn. Mathematics 1					Mechanics 1					Measurement Technology					Fundamentals in Electrical Engineering					Programming (Python)					German Basics 3				
3W	Techn. Mathematics 2					Mechanics 2					Optics					Applied Physics					Fundamentals in Computer-based Measurement Technology					Technical German				
4S	Techn. Mathematics 3					Mathematical Applications (Python)					Thermodynamics					Control Engineering					Engineering Design 1					Social Skills				
5W	Fluid Mechanics					Electrodynamics					Material Science					Advanced Solid State					Quantum Mech., Atomic Physics					Differential Equations and Integral Transform				
6S	Electives					Electives					Electives					Practice rel. Module					Laser					Scientific Work and Lab Workshops				
7W	Industrial Internship (or Inhouse Laboratory Projects)																									Internship Accompanying (Block) Seminars				
8S	Bachelor Thesis															Excursion					Engineering Project					Bachelor Colloquium				