



Field of specialization 12: Photonics

Exemplary curriculum:⁹

	WS		SS	
	SWS	LP	SWS	LP
Basic Modules of Specialization (BMS)				
Advanced Communications Engineering	3+1	6		
Integrated Photonics	2+2	6		
Compulsory Modules of Specialization (CMS)				
Radio-Frequency Electronics	3+1	6	3+1	6
Optical Networks and Systems	3+1	6		
Photonic Integrated Circuit Design and Applications			2+2	6
Electromagnetics and Numerical Calculation of Fields	2+1	4		
Nonlinear Optics			2+2	6
Optical Transmitters and Receivers	2+2	6		
Photonics and Communications Lab			4	6
Sum (BMS+CMS)		28		24

	WS		SS	
	SWS	LP	SWS	LP
Elective Modules of Specialization (EMS)				
Recommended electives, see next page				
...				
Sum (see below)				

	WS		SS	
	SWS	LP	SWS	LP
Interdisciplinary Qualifications				
see Module M-ETIT-105803				
...				
Sum (in total 6 LP)				

Master's Thesis		LP
Master's Thesis		30

Summary		LP
Basic Modules of Specialization (BMS)		12
Compulsory Modules of Specialization (CMS)		40
Elective Modules of Specialization (EMS)		32
Interdisciplinary Qualifications		6
Master's Thesis		30
Sum		120

⁹ If modules are listed in both semesters, only one must be selected. (D) means the lecture is in German, (E) – in English.