

Masterstudiengang Photonics, M.Eng.

Studententyp Vollzeit

gültig ab WS 2026/27

Module	V	Ü	L	P	S	ges.	1. Sem.	2.Sem.	3. Sem.	4.Sem.
							SWS	SWS	SWS	
Mathematisch-naturwissenschaftliche Grundlagen										M a s t e r t h e s i s
Structure of Matter	4	0	0	0	0	4	4			
Mathematical Methods	3	1	0	0	0	4	4			
Theoretical Principles of Photonics I	4	0	0	0	0	4	4			
Theoretical Principles of Photonics II	3	1	0	0	0	4			4	
Ingenieurwissenschaftliche Grundlagen										
Measuring Techniques an Instrumentation	2	0	2	0	0	4	4			
Microtechnologies	4	0	2	0	0	6	6			
Technical Optics I	3	0	1	0	0	4	4			
Laser Technologies	3	0	1	0	0	4		4		
Optical Measuring and Analysis Techniques	4	0	2	0	0	6		6		
Fachspezifische Vertiefungen										
Technical Optics II	8	0	0	0	0	8		8		
Laser Materials Processing	3	0	2	0	0	5			5	
Applied Photonics	5	0	1	0	0	6			6	
Profilbildung										
Compulsory Elective Module I	2	0	0	0	0	2		2		
Compulsory Elective Module II	1	0	1	0	0	2		2		
Research and Development Project I	0	0	0	4	0	4		4		
Compulsory Elective Module III	1	0	1	0	0	2			2	
Compulsory Elective Module IV	1	0	1	0	0	2			2	
Research and Development Project II	0	0	0	4	0	4			4	
Fachübergreifende Inhalte										
Management	4	0	0	0	0	4			4	

V lecture

Ü exercises

L laboratory

P project

S seminar