V Field of specialization 24: Electrical Power Systems

Exemplary curriculum:

	WS		SS	
Basic Modules of Specialization (BMS)	**SWS**	**LP**	**SWS**	**LP**
Numerical Methods			2+1	5
Measurement Technology (last time in WiSe 25/26*)	2+1	5		
Communication Systems and Protocols			2+1	5
Compulsory Modules of Specialization (CMS)				
Power Electronics			2+2	6
Optimal Control	2+2	6		
Electric Power Transmissions & Grid Control			2+2	6
Renewable Energy - Resources, Technologies and Economics	2+0	3		
Liberalised Power Markets	2+2	6		
Pulsed Power Technology and Applications (Lecture)	2+0	3		
Energy Storage and Network Integration	2+1	4		
Laboratory Modern Software Tools in Power Engineering			0+4	6
or Laboratory Solar Energy	0+4	6	0+4	6
or an alternative laboratory after agreement with the program consultant	0+4	6	0+4	6
Sum (BMS+CMS)		**27**		**28**

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

	WS		SS	
Interdisciplinary Qualifications	**SWS**	**LP**	**SWS**	**LP**
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)		15
Compulsory Modules of Specialization (CMS)		40
Elective Modules of Specialization (EMS)		29
Interdisciplinary Qualifications		6
Master's Thesis		30
Sum		**120**

* *Measurement Technology* will be offered for the last time in winter term 25/26 as a video recording with additional speaking lessons for exam preparation. It is no longer a compulsory module, but may still be used as such. The first examination can be taken for the last time in winter term 26/27.