



## Field of specialization 24: Electrical Power Systems

### Exemplary curriculum:

	WS		SS	
	SWS	LP	SWS	LP
<b>Basic Modules of Specialization (BMS)</b>				
Systems and Software Engineering	2+1	5		
Messtechnik (in English starting WS 22/23)	2+1	5		
or Numerical Methods			2+1	5
Optimization of Dynamic Systems	2+1	5		
<b>Compulsory Modules of Specialization (CMS)</b>				
Power Electronics			2+1	5
Electric Power Transmissions & Grid Control	2	4		
Renewable Energy - Resources, Technologies and Economics	2+0	3		
Liberalised Power Markets	2+0	3		
Pulsed Power Technology and Applications (Lecture)	2+0	3		
Energy Storage and Network Integration	2+1	4		
Superconductivity for Engineers	2+1	5	2+1	5
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
<b>Sum (BMS+CMS)</b>		<b>27</b>		<b>21</b>

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

	WS		SS	
	SWS	LP	SWS	LP
<b>Interdisciplinary Qualifications</b>				
Module 1				
...				
<b>Sum (in total 6 LP)</b>				

	LP
<b>Master's Thesis</b>	
Master's Thesis	30

	LP
<b>Summary</b>	
Basic Modules of Specialization (BMS)	15
Compulsory Modules of Specialization (CMS)	33
Elective Modules of Specialization (EMS)	36
Interdisciplinary Qualifications	6
Master's Thesis	30
<b>Sum</b>	<b>120</b>

Gray backgrounds are used to illustrate credit point (LP) summation in winter term (WS) and summer term (SS).