V Field of specialization 24: Electrical Power Systems

Below you find a list of recommended elective modules from the immediate environment of the specialization. If you would like to broaden your knowledge further, other modules than those can be chosen as well in consultation with the program consultants. In this respect, it is strongly recommended to consult the program consultant already at the beginning of the Master's program in order to discuss your individual study plan.

Recommended elective modules:

	WS		SS	
Recommended elective modules for specialization	**SWS**	**LP**	**SWS**	**LP**
Aufbau und Verbindungstechnik für leistungselektronische Systeme	2	3		
Components of Power Systems			2	3
Echtzeitregelung elektrischer Antriebe	3+1	6		
Electric Power Generation and Power Grid	2	3		
Electromagnetics and Numerical Calculation of Fields		4		
Elektrische Energienetze	2+1	5		
Elektronische Systeme und EMV			2	3
Electrical Energy Systems Lab	4	6		
Energiewirtschaft	2	3		
Energy Storage and Network Integration		4		
Hochspannungsprüftechnik	2+1	4		
Hochspannungstechnik	2+1	6		
Leistungselektronik für die Photovoltaik und Windenergie			2	3
Nichtlineare Regelungssysteme			2	3
Optimale Regelung und Schätzung			2	3
Cyber-Physical Modeling			3+1	6
Electric Drives and Power Electronics Lab			4	6
Praktikum Schaltungsdesign mit FPGA			4	6
Praktikum: Smart Energy System Lab			2	6
Pulsed Power Technology and Applications (Tutorial)			0+4	5
Regelung linearer Mehrgrößensysteme	3+1	6		
Signal Processing Lab			4	6
Signal Processing Methods	2+2	6		
Solar Energy	3+1	6		
Superconducting Materials (2-term module)	2+0	3	2+0	3
Superconductivity for Engineers (ab WiSe 25/26: 6 LP)	2+1	5		
Systems and Software Engineering (ab WiSe 25/26: 6 LP)	2+1	5		