

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:

Recommended elective modules for specialization	WS		SS	
	SWS	LP	SWS	LP
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		
Elektronische Systeme und EMV			2	3
Energetechnisches Praktikum	4	6		
Energiewirtschaft	2	3		
Energy Storage and Network Integration		4		
Hochspannungsprüftechnik	2+1	4		
Hochspannungstechnik	2+1	6		
Nonlinear Control Systems			4	6
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
Multivariable Control Systems	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	3+1	6		
Systems and Software Engineering	2+2	6		