

## Vertiefungsrichtung Power Engineering (POW)

	Vorl.	Übung	Lab.	Sem.	Vorl.	Übung	Lab.	Sem.	Vorl.	Übung	Lab.	Sem.	Vorl.	Übung	Lab.	Sem.	Vorl.	Übung	Lab.	Sem.	Vorl.	Übung	Prakt.	Sem.	Σ
1. Semester WS	<b>M01</b>				<b>MP01</b>				<b>MP02</b>				<b>MP03</b>				<b>MP04</b>				<b>MPWP01</b>				
	<b>Technical Management</b>				<b>Advanced High Voltage Technology</b>				<b>Power System Operation</b>				<b>Renewable Energy Systems</b>				<b>Embedded Programming &amp; Design of Real-Time Control Systems</b>				<b>Elective 1</b>				
	<b>SWS</b>	4				3		0,5 (1)		3		0,5 (1)		4				2		2		2		2	
<b>ECTS</b>	5				5				5				5				5				5				30
2. Semester SS	<b>M02</b>				<b>MP05</b>				<b>MP06</b>				<b>MP07</b>				<b>MPWP02</b>				<b>MPWP03</b>				
	<b>Team Project</b>				<b>Power Electronics for Drives and Energy Systems</b>				<b>Advanced Control of Electrical Drives</b>				<b>Model-Based Design HiL &amp; PiL Systems</b>				<b>Elective 2</b>				<b>Elective 3</b>				
	<b>SWS</b>		4			4				4				3		0,5 (1)		4				4			
<b>ECTS</b>	5				5				5				5				5				5				30
3. Semester	<b>M03</b>																								
	<b>Internship (4-semester course only)</b>																								
	<b>SWS</b>																								
<b>ECTS</b>	30																								30
4. Semester	<b>M04</b>																								
	<b>Master Module (Masterthesis and Colloquium)</b>																								
	<b>SWS</b>																								
<b>ECTS</b>	30																								120

### Legende

	<b>Modul für alle Vertiefungen</b>
	vertiefungsspezifisches Modul

	<b>Wahlpflichtmodul</b>
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CP = Credit Points  
 SWS = Semesterwochenstunden  
 SS = Sommersemester  
 WS = Wintersemester