

## V Vertiefungsrichtung 17: Information and Communication

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
Electromagnetics and Numerical Calculation of Fields	2+1	4		
Radar Systems Engineering	3+1	6		
Antennen und Mehrantennensysteme	2+2	5		
Mikrowellenmesstechnik			2+1	4
Spaceborne Radar Remote Sensing			2+1+1	6
Optical Waveguides and Fibers	2+1	4		
Field Propagation and Coherence	2+1	4		
Optoelectronic Components	2+1	4		
Funkempfänger	2+0	3		
Space-borne Microwave Radiometry – Advanced Methods and Applications			2+0	3
Channel Coding: Algebraic Methods for Communications and Storage			2+0	3
Hardware Modeling and Simulation	2+1	4		
Seminar Radar and Communication Systems	3	4	3	4
MMIC Design Lab	0+4	6	0+4	6
Channel Coding: Graph-Based Codes	3+1	6		
Seminar Ausgewählte Kapitel der Nachrichtentechnik	3	4	3	4
Signalverarbeitung in der Nachrichtentechnik			2+1	4
Angewandte Informationstheorie	3+1	6		
Quellencodierung			2+0	3
Satellite Communications			2+0	3
Digitale Strahlenformung für bildgebendes Radar	2+1	4		
Methoden der Signalverarbeitung	2+1+1	6		
Informationsfusion	2+1	4		
Optimization of Dynamic Systems	2+1	5		
Regelung linearer Mehrgrößensysteme	3+1	6		
Optical Transmitters and Receivers	2+2	6		
Technische Akustik	2+0	3		
Photonics and Communications Lab			0+4	6
Praktikum Nachrichtentechnik	0+4	6	0+4	6
Praktikum Mikrowellentechnik	0+4	6	0+4	6
Praktikum Schaltungsdesign mit FPGA	0+4	6	0+4	6