

Modul-ID	Description	ECTS
1st Semester		
HIM	Advanced Mathematics	5
NGN	Next Generation Networks	5
DSP	Digital Signal Processing	5
FSA	Research Project (Part A)	5
FV1	Module 1 of the corresponding profile catalogue	5
FV2	Module 2 of the corresponding profile catalogue	5
2nd Semester		
FV3	Module 3 of the corresponding profile catalogue	5
FV4	Module 4 of the corresponding profile catalogue	5
FSB	Research Project (Part B)	5
PL	Project Management	5
WFV1	elective from a list of Master modules offered by the faculty	5
WFV2	elective from a list of Master modules offered by the faculty	5
3rd Semester		
MAA	Master Thesis	27
KOLL	Colloquium	3

Note: this schedule is for program start with the summer term (slightly modified for start in the winter term)

The modules in the first semester convey detailed fundamentals on telecom systems and networks. The students choose one out of the four offered study profiles and select at least four modules from the corresponding catalog.

Systems profile modules (choose 4 out of n)		Language	Site	Semester
ACC	Advanced Channel Coding	E	K	WS
AVC	Audio-/Video Coding	E	K	SS
DC	Digital Communications	E	K	WS
ODUN	Optische u. drahtlose Übertragungsnetze	G	B-R-S	SS
RFSD	RF System Design	E	K	SS

Networks profile modules (choose 4 out of n)				
AMC	Advanced Multimedia Communications	E	K	WS
ODUN	Optische u. drahtlose Übertragungsnetze	G	B-R-S	SS
PRON	Planung, Realisierung, Optimierung u. Inbetriebnahme von Kommunikationsnetzen	E/G	B-R-S	SS/WS
RTE	Routing and Traffic Engineering	G	B-R-S	SS
ZK	Zuverlässigkeit von Kommunikationssystemen	G	B-R-S	WS
IS	Informationssicherheit	E	K	WS
KRY	Cryptography	E	K	SS

Security profile modules (choose 4 out of n)				
ID	Identifikationsverfahren	G	B-R-S	SS
KRY	Cryptography	E	K	SS
EBS	Embedded Security	G	B-R-S	SS
SN	Sicherheit in Netzen	G	B-R-S	WS
ZK	Zuverlässigkeit von Kommunikationssystemen	G	B-R-S	WS
MW	Malware	G	B-R-S	WS

Information theory profile modules (choose 4 out of n)				
ACC	Advanced Channel Coding	E	K	WS
AVC	Audio-/Video Coding	E	K	SS
DC	Digital Communications	E	K	WS
IS	Informationssicherheit	E	K	WS
KRY	Cryptography	E	K	SS

E: English K: Cologne
G: German B-R-S: St. Augustin