

Module Overview M.Sc. Information and Communication Engineering - 6 Semesters

Degree programme guidelines as per 01.10.2023, Version: 01.10.2023 (SB2023II)

The degree programme consists of 120 Credit Points (CP) in total:

Mandatory Subject Area:	40 - 42 CP	■	General Studies:	12 - 20 CP	■
Elective Subject Area:	28 - 58 CP	■	Master's Thesis:	30 CP	■

Language of Tuition:
ENGLISH
Certificates required



This leads to the following *possible* part-time semester course schedule:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester
Core Competencies* <i>(at least 7 Modules)</i> (40 - 42CP)				Master's Thesis (30 CP)	
Optionals Communication Hardware <i>or</i> Communication Systems and Networking <i>or</i> Communication Algorithms (28 - 48 CP)					
Optional Supplements <i>All modules from the subareas</i> Communication Hardware; Communication Systems and Networking <i>and</i> Communication Algorithms (0 - 10 CP)					
General Studies (Humanities and Social Sciences <i>or/and</i> Entrepreneurship and Management <i>or/and</i> Engineering and Natural Sciences <i>or/and</i> Languages, Soft Skills <i>or/and</i> Insight into professional life) (12 - 20 CP)					
Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP

* Advanced Digital Integrated Circuit Design; Antennas and Adaptive Beamforming; Communication Networks II; Communication Technology II; Convex Optimization in Signal Processing and Communications; Digital Signal Processing; Data-driven Modeling - Machine Learning; Matrix Analysis and Computations; Mobile Communications; Optical Communicatio - Components; Technical Electrodynamics for iCE