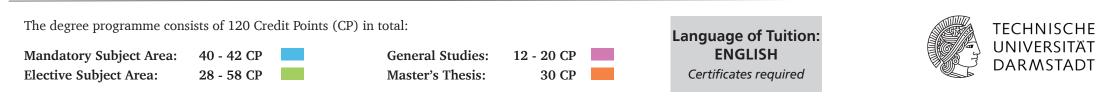# Module Overview M.Sc. Information and Communication Engineering - 8 Semesters

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

Language of Tuition:
ENGLISH
Certificates required

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

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester	8. Semester

Core Competences*

(at least 7 Modules)

(40 - 42CP)

Optionals

Communication Hardware *or* Communication Systems and Networking *or* Communication Algorithms

(28 - 48 CP)

Optional Supplements

All modules from the subareas Communication Hardware; Communication Systems and Networking *and* Communication Algorithms

(0 - 10 CP)

General Studies

(Humanities and Social Sciences *or/and* Entrepreneurship and Management *or/and* Engineering and Natural Sciences *or/and* Languages, Soft Skills *or/and* Insight into professional life)

(12 - 20 CP)

Meister's Thesis

(30 CP)

Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 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 Communicatios - Components; Technical Electrodynamics for iCE