Information and Communication Engineering (M.Sc.) - Effective 01 April 2020

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

Mandatory Subject Area:	**33 CP**
Elective Subject Area:	**51 CP**
Studium Generale:	**6 CP**
Research/Thesis:	**30 CP**

Language of Tuition:
ENGLISH
certificates required

The following **module overview** is an abbreviated, easy-to-read version of the **official course schedule** in the examination regulations, to be found in the Satzungsbeilagen of TU Darmstadt:

1. Semester	2. Semester	3. Semester	4. Semester
Digital Signal Processing (6 CP)	**Advanced Digital Integrated Circuit Design** (6 CP)		**Master's Thesis** (30 CP)
Technical Electrodynamics for iCE (5 CP)	**Optical Communications 1 – Components** (6 CP)		
Communication Technology II (4 CP)	**Optional Fundamentals** (min. 10 CP)		
Communication Networks II (6 CP)			
Elective Subject Area* (41 CP) *(min. 38 CP of min. 3 chosen subareas with min. 10 CP per subarea)*			
Studium Generale *Business Administration, Languages or Miscellaneous* (min. 6 CP)			

* Choice of Device Technology and Circuit Design; Electronic System Design; C ommunication Technology; Communication Systems; Communication Science and Media Technology; IT in Engineering, Computer Science, Mathematics, and Physics

Study Programmes
www.tu-darmstadt.de/studieren

Course Schedule
www.tucan.tu-darmstadt.de

Application and Admission for international students
(International Office)
www.tu-darmstadt.de/international

Zentrale Studienberatung und -orientierung ZSB
(Central Student Advisory)

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Opening hours

Tuesday	10-12 a.m.	
Wednesday	2-4 p.m.	
Thursday	4-6 p.m.	and by arrangement

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Information and Communication Engineering
Master of Science

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Brief Description

The research-oriented study programme Master of Science Information and Communication Engineering is focused on the theoretical basics, models and applications of information transmission and processing. This includes communication techniques and algorithms, methods for their microelectronic integration in hardware/software solutions with applications in mobile and multimedia communication, coding, data compression, security, image processing, medical systems etc. The interdisciplinary study programme is tailored to German as well as foreign students intending to pursue a degree with an international focus and courses held in English.

www.ettt.tu-darmstadt.de

Admission

For information on application deadlines please refer to

www.tu-darmstadt.de/international