

Information and Communication Engineering (M.Sc.) - Effective 01 June 2024

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

Language of Tuition:
ENGLISH
certificates required

- Mandatory Subject Area:** 40-42 CP ■
- Elective Subject Area:** at least 28 CP ■
- Studium Generale:** 12-20 CP ■
- Research/Thesis:** 30 CP ■

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:

| 1st semester | 2nd semester | 3rd semester | 4th semester |
|--|--------------|--------------|--|
| <p align="center">Core Competencies* (40-42 CP) (at least 7 Modules)</p> | | | <p align="center">Master Thesis (30 CP)</p> |
| <p align="center">Optionals (28-48 CP) (Communication Hardware <i>or</i> Communication Systems and Networking <i>or</i> Communication Algorithms)</p> | | | |
| <p align="center">Optionals Supplements (0-10 CP) (All modules from the subareas Communication Hardware, Communication Systems and Networking and Communication Algorithms)</p> | | | |
| <p align="center">Studium Generale (12-20 CP) (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)</p> | | | |

* 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 Communications - Components; Technical Electrodynamics for iCE

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

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(Central Student Advisory and Orientation Office)

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Imprint

Publisher President of TU Darmstadt
Editorial office Zentrale Studienberatung und
-orientierung ZSB

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Information and Communication Engineering Master of Science



Design: DUBBEL SPÄTH, Darmstadt | Teilfoto: Gregor Schuster, Darmstadt

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.ett.tu-darmstadt.de

www.tu-darmstadt.de/bewerbung

www.tu-darmstadt.de/application

For information on application deadlines please refer to

Admission