

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

- Mandatory Subject Area:40-42 CP
- Elective Subject Area:at least 28 CP
- Studium Generale:12-20 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 <sup>st</sup> semester	2 <sup>nd</sup> semester	3 <sup>rd</sup> semester	4 <sup>th</sup> semester
Core Competencies* (40-42 CP) (at least 7 Modules)			Master Thesis (30 CP)
Optionals (28-48 CP) (Communication Hardware <i>or</i> Communication Systems and Networking <i>or</i> Communication Algorithms)			
Optionals Supplements (0-10 CP) (All modules from the subareas Communication Hardware, Communication Systems and Networking and Communication Algorithms)			
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)			

\* Advanced Digital Integrated Circuit Design; Antennas and Adaptive Beamforming; 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](http://www.tu-darmstadt.de/studieren)

Course Schedule  
[www.tucan.tu-darmstadt.de](http://www.tucan.tu-darmstadt.de)

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

Zentrale Studienberatung und -orientierung ZSB  
(Central Student Advisory and Orientation Office)

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Building S1 | 01  
E-mail: [info@zsb.tu-darmstadt.de](mailto:info@zsb.tu-darmstadt.de)

Opening hours: [www.zsb.tu-darmstadt.de](http://www.zsb.tu-darmstadt.de)

## Imprint

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# Information and Communication Engineering Master of Science



## 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.eit.tu-darmstadt.de](http://www.eit.tu-darmstadt.de)

## Admission

For information on application deadlines please refer to [www.tu-darmstadt.de/bewerbung](http://www.tu-darmstadt.de/bewerbung)

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