

SUMMER SEMESTER 2026

# Master's Programme Information

Electrical Engineering and Information Technology | Industrial Engineering (Electrical)

*Welcome!*

# Master's Programme Information



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# Contact Persons



## Examination Office

Liane Meishner / Jana Ernst

[pruefungsamt-et-eitp@tu-braunschweig.de](mailto:pruefungsamt-et-eitp@tu-braunschweig.de)



## Internship Office

Frauke Grinda

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## Programme Coordinator

Sandra Engelhardt

[sgk-eitp@tu-braunschweig.de](mailto:sgk-eitp@tu-braunschweig.de)



## Dean of Studies

Prof. Bernd Engel

[studiendekanat-elektrotechnik@tu-braunschweig.de](mailto:studiendekanat-elektrotechnik@tu-braunschweig.de)

# Contact via Email



Please use exclusively your **TU email address**  
(...@tu-braunschweig.de)

and include your programme name and matriculation number.



## Faculty EITP Website

[www.tu-braunschweig.de/eitp/studium](http://www.tu-braunschweig.de/eitp/studium)

### Here you will find:

- Programme-specific documents (exam regulations, module handbook, selection document)
- Timetables and current information
- Links to TUConnect, StudIP and other platforms
- Exam dates and deadlines

# Examination Regulations



## BPO 2025

Applies to the programme  
Electrical Engineering and  
Information Technology (EIT)



## BPO 2022

Applies to the programme  
Industrial Engineering –  
Electrical Engineering (Wilng ET)

## General Examination Regulations (APO)

Applies to all programmes at TU Braunschweig. The APO governs general examination provisions.

# Programme Structure: MSc Electrical Engineering & IT

Area	Contents	Credits
<b>Compulsory Module</b>		5
<b>Specialisation (Main)</b>	Compulsory elective + elective modules	30–40
<b>Minor Elective Area</b>	Modules from 5 other specialisations	20–25
<b>Labs &amp; Practicals</b>	Lab courses, modules with practical component	8–10
<b>Professionalisation</b>	Interdisciplinary skills + seminar	8–12
<b>Industrial Internship</b>	10 weeks company placement or team project	15
<b>Master's Thesis</b>	6 months processing time	30
<b>Total</b>		<b>120</b>

# Module Selection - Specialisations



## Programme-Specific Documents

The selection document for your programme contains:

- All eligible modules per specialisation
- Assignment to compulsory elective and elective tracks
- Semester recommendations (winter/summer)
- Credit points per module

**Tip: Update your selection document regularly!**

# Specialisations - MSc EIT

## Six specialisations:

Autonomous Intelligent Systems

Energy Systems and Drives

Information Technology Systems

Photonics and Quantum Technologies

Metrology and Measurement

Microelectronics Engineering (English)

Choose one specialisation as your main area. The admission committee's recommendation is non-binding.

# Specialisations - MSc EIT (Details)

## Specialisation (Main)

### Compulsory elective: 10–15 CP

Modules from the compulsory area of chosen specialisation

### Elective: 20–25 CP

Additional modules from the same specialisation

## Minor Elective Area

### 20–25 CP

Modules from the remaining five specialisations

# Labs and Practicals



## Modules with practical

**Suffix: "with lab" or "with practical"**

up to 6 CP → 2 CP credited

7+ CP → 3 CP credited



## Standalone lab courses

Independent lab modules  
from the module catalogue

# Labs and Practicals - Credit Points

MSc EIT

**8-10 CP**

MSc Wilng ET

**5-11 CP**

# Course Content → Module Handbook

## Detailed information on every module



When does it take place?



How is it examined?



What is examined?



Which courses are included?

# Timetable Planning



[www.tu-braunschweig.de/eitp/studium](http://www.tu-braunschweig.de/eitp/studium)

Timetables and module selection recommendations can be found on your programme's webpage.



[studip.tu-braunschweig.de](https://studip.tu-braunschweig.de)

Login with your y-number

Central platform for courses, materials, and communication

Tip: Also check the institute webpages of your lecturers for additional information!

# Participating in Courses

- 1. Register on StudIP and enrol in courses**
- 2. Check the institute webpages for details**
- 3. Join the programme groups on StudIP**

Important documents, announcements, and dates

# Programme Groups on StudIP



**Join the EIT and Wilng ET groups!**

- Important documents
- Current announcements
- Dates and deadlines
- Organisational information

# Transcripts / Grade Certificates



## Login via TUConnect

[connect.tu-braunschweig.de](https://connect.tu-braunschweig.de) • [Login with y-number](#)

### Grade overview

View passed exams and modules

### Academic record (German/English)

### Enrolment certificates

**Exams must be registered!**

Online registration via TUConnect

[connect.tu-braunschweig.de](https://connect.tu-braunschweig.de)

# Exams: Dates



**Registration Period**

**1 June 2026 - 30 June 2026**

Exam dates: [www.tu-braunschweig.de/eitp/pruefungen](http://www.tu-braunschweig.de/eitp/pruefungen)

## 1st Attempt = Free Attempt

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✓ **Grade improvement possible!**

- Only within standard period of study (4 semesters)
- Only after first passed attempt
- Two semesters to retake

**The better grade counts!**

# Exams: Attempt Structure



# Exams: Deregistration

## Written Exams

Deregister up to 2 days  
before the exam date

## Oral Exams

Deregister up to 1 week  
before the exam date

### **Warning!**

**Absence without deregistration/doctor's note → failed attempt = 5.0**

Doctor's note: submit immediately (3 working days)

Use your TU email + include your matriculation number!

# Prerequisite Courses (Auflagen)

- Must be completed within one year (two semesters)
- Extension possible upon justified request
- Grade is irrelevant – does not appear on transcript

**Without fulfilled prerequisites: no Master's thesis!**

## **Already have the required knowledge?**

→ Submit a written application with documentation to the Faculty Office

# Industrial Internship / Master Team Project



## Industrial Internship

- Min. 10 weeks at a company
- Apply independently
- Faculty supervisor required
- Report and presentation

*Can be replaced by a Master Team Project*



## Recognition possible

- Vocational training + work experience
- Working student positions

**Clarify in advance!**

# Professionalisation

## Interdisciplinary Skills

- Pool courses from the university-wide catalogue
- Language courses – English from level B2
- Professional skills training

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**No courses from your own programme!**

# Professionalisation - Credit Points

MSc EIT

**5-9 CP**

+ Seminar: 3 CP

MSc Wiing ET

**3-8 CP**



## Master's Thesis






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Prerequisite: min. 60 CP + no outstanding prerequisite courses

**6 months processing time**

*External thesis: separate application required*

# What to Do Now

-  1 Activate your y-number
-  2 Activate and regularly check your @tu-braunschweig.de email
-  3 Look out for the mentoring meeting invitation
-  4 Join your programme group on StudIP
-  5 Attend the freshers' breakfast with the student council



**Let's go!**



Technische  
Universität  
Braunschweig

# Best Success !

for your Master's programme at the Faculty EITP!

Faculty of Electrical Engineering, Information Technology, Physics • TU Braunschweig