

Technische Universität Braunschweig

Faculty of Electrical Engineering, Information Technology, Physics

WINTER SEMESTER 2026/27

Master's Programme Information

Electrical Engineering and Information Technology

Welcome!

Master's Programme Information



Contact Persons



Examination Regulations



Information Sources



Study Guidelines



Conditional Courses



Q & A

Contact Persons



Examination Office

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Contact via Email



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

and include your programme name and registration number.

Information Sources



Faculty EITP Website

www.tu-braunschweig.de/eitp/studium

Here you will find:

- Programme-specific documents (e.g. exam regulations, module guide, module selection document)
- Course overviews 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)

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
Compulsory Module		5
Specialisation (Main)	Compulsory elective + elective modules	30–40
Minor Elective Area	Modules from 5 other specialisations	20–25
Labs & Practicals	Lab courses, modules with practical component	8–10
Professionalisation	Seminar presentation Interdisciplinary qualification Industrial internship or Master‘s team project	3 5-9 8-12
Master's Thesis	6 months time	30
Total		**120**

Module Selection – Specialisations

Programme-specific Documents

The module selection document for your programme contains:

- All modules per specialization that can be chosen
- Information whether compulsory elective or elective
- Semester in which a module is offered (winter/summer)
- Credits per module

Tip: Use your selection document for planning your studies!

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 major area plus modules from minor area(s).

Specialisations – MSc EIT (Details)

Specialisation (Major)

Compulsory elective: 10-15 credits

Modules from the compulsory area of chosen specialisation

Elective: 20-25 credits

Additional modules from the same specialisation

Minor Elective Area

20-25 credits

Modules from the remaining five specialisations

Labs and Practical Work

A Modules with practical work

Addition: "with lab" or "with practical work"

up to 6 credits → 2 credits accredited for lab part

7+ credits → 3 credits accredited for lab part

B Stand-alone lab courses

Independent lab modules

from the module catalogue

C Combination of A and B

Labs and Practical Work - Credits

MSc EIT

8-10 credits

Course Content → Module Guide

Detailed information on every module



When does it take place?



How is it examined?



What is examined?



Which classes are included?

Timetable Planning

www.tu-braunschweig.de/eitp/studium

Courses and module selection template

can be found on your programme's webpage.

https://www.tu-braunschweig.de/en/eitp/electrical-engineering-master

Documents: Module selection BPO 2025 (PO 5)

StudIP

studip.tu-braunschweig.de

Login with your y-number

Central platform for courses, materials, and communication

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

Participating in Courses

1. Register on StudIP and enrol in courses

2. Check the institutes' webpages for details

3. Join the programme groups on StudIP

Important documents, announcements, and dates

Programme Groups on StudIP

Join the EIT group!

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

Transcripts / Grade Certificates

Login via TUConnect

connect.tu-braunschweig.de • Login with y-number

Grade overview

View passed exams and modules

Academic record (German/English)

Enrolment certificates

Exams: Registration

Exams must be registered!

Online registration via TUConnect

connect.tu-braunschweig.de

Exams: Dates



Registration Period

15 December 2026–15 January 2027

Exam dates: www.tu-braunschweig.de/eitp/pruefungen

Exams: Grade Improvement

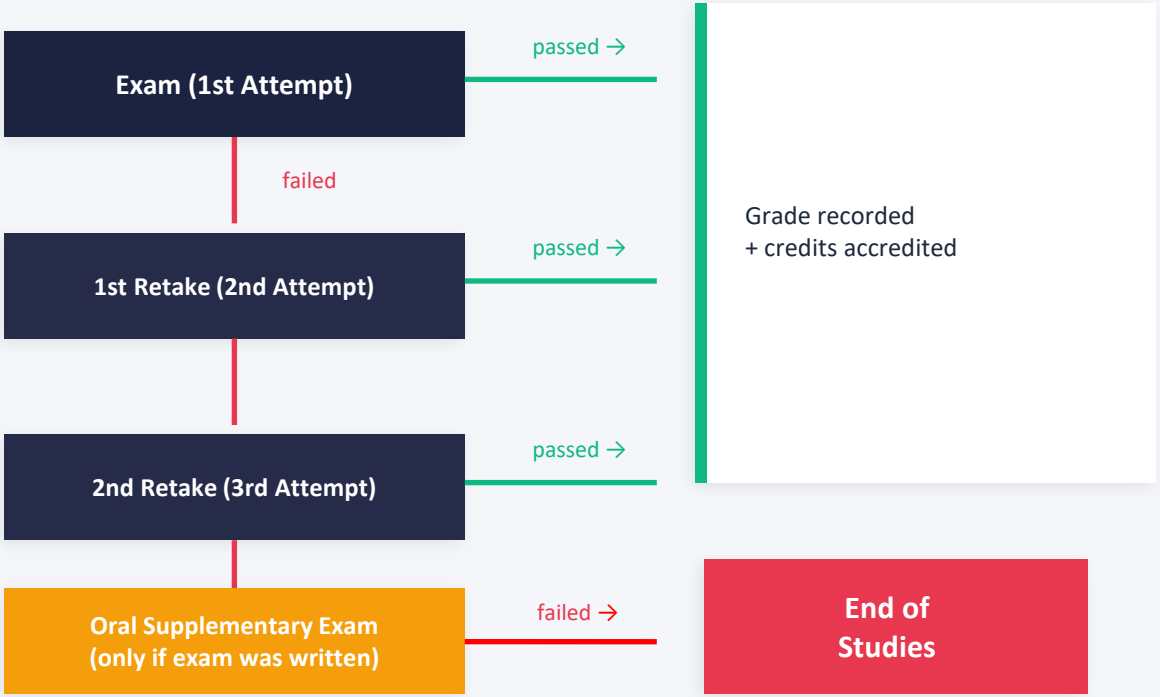
1st Attempt = Grade improvement possible

✓ **Grade improvement is 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: Withdrawal

Written Exams

Withdrawal possible up to two days
before exam date (TUConnect)

Oral Exams

Withdrawal possible up to one week
before exam date (TUConnect and examiner!)

⚠ Warning!

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

Doctor's note: submit immediately (3 working days). For information and **required form** see https://www.tu-braunschweig.de/en/exams -> Sickness

Use your TU email + include your matriculation number!

Conditional Acceptance (*Auflagen*)

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

Without fulfilled conditions: 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

- At least 10 weeks at a company
- Apply on your own
- Faculty supervisor required
- Report and presentation

Can be replaced by a Master's 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
- etc.

No courses from your own programme or related!

Professionalisation - Credit Points

MSc EIT

5-9 credits

+ seminar presentation: 3 credits



Master's Thesis

Required: at least 60 credits + no outstanding conditional courses

Six months 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 address
3. Look out for the mentoring meeting invitation
4. Join your programme group on StudIP
5. Attend the freshers' breakfast with the student council

Tomorrow, 22.10.2026 9.30–11.30 am
at Foyer of „Haus der Elektrotechnik“
(Hans-Sommer-Str. 66)

Let's go!



Best Success

for your Master's programme at the EITP Faculty!

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