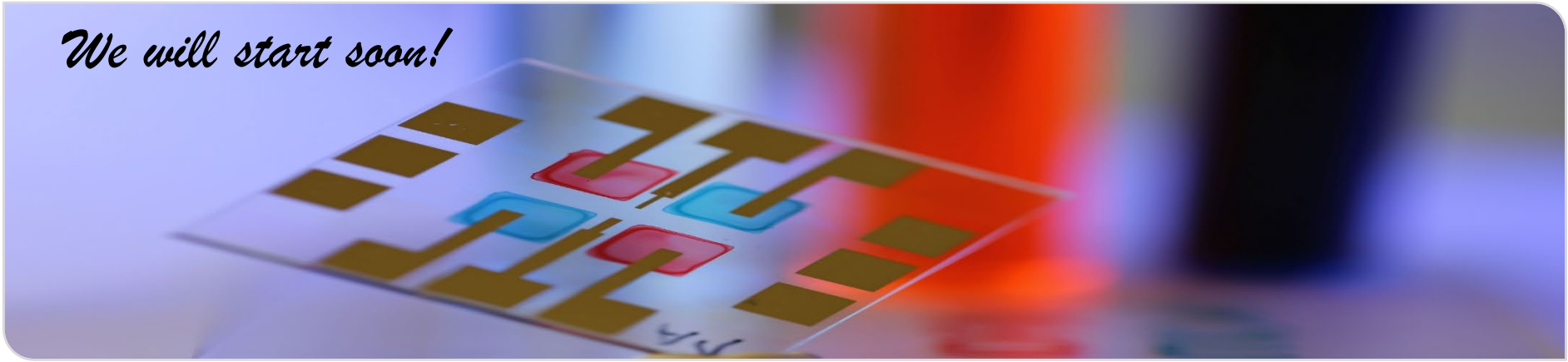
Karlsruhe Institute of Technology

Welcome to the first semester of the Master's degree programs

Electrical Engineering and Information Technology (ETIT)

Biomedical Engineering (BME)

Mechatronics and Information Technology (MIT)



Master Examination Board

- Chairmen:
  - Prof. Dr.-Ing. Ahmet Cagri Ulusoy (ETIT)
  - Prof. Dr. rer. nat. Werner Nahm (IBT)
  - Prof. Dr.-Ing. Markus Geimer (MIT)



- Study Program Service:
  - Gisela Schlüter
  - Anastasia Wandler
  - Tamara Sarter



Service of the Study Program Service

- Processing of all applications for study derogations
  (i. e. deadline extension, second repetition, etc.)
- Recognition of examination results in the Master's Program
- Examination admissions for examinations outside the faculty
- Erasmus+

Information - Deadlines:

- 120 Credit Proints – 4 Semester
- Register for exams or deregister
- Once you have started an exam, you must pass it!
  - Failed written exam - repeat exam - failed - oral retake exam - failed - application for second repeat
- Recognition of examinations in the first semester after matriculation
- Recognition of Master's Transfer Account within the first semester

Check the Module Handbook and the Study Regulations

Your Study Program ETIT

- 4 Fields of Specialization – one of them can be chosen:
  - Automation, Robotics & Systems Engineering
  - Electrical Power Systems and Electromobility
  - Information and Communication Technology
  - Microelectronics, Photonics and Quantum Technologies
- List of academic advisors by specialization
  - https://www.etit.kit.edu/english/_academic_advice.php

Your Study Program ETIT

- The Master´s degree program is divided into four subjects:
  - 4 Fields of Specialization (60 CP)
    - Fundamentals (24 CP)
    - Focus Area (depended on Lab: 27 -30 CP)
    - Lab course (exactly one)
  - Electives (24 CP)
  - Interdisciplinary Qualifications (6 CP)
  - Master´s Thesis (30 CP)

120 CP

Your Study Program ETIT

- Field of Specialization (60 CP)
  - Fundamentals (24 CP)
    - 4 Modules has to be chosen
  - Several Focus Areas (27-30 CP)
    - Orientation and recommendation for possible study courses, guideline of reasonable module combinations
    - The modules for each Focus Area are marked with a cross and are recommendations. Students are free to make their choice
  - Exactly one lab within each Field of Specialization (~ 6 CP)

Your Study Program ETIT

- Electives (24 CP)
  - wide range of modules of further interest.
  - one additional lab or practical course can be chosen

- Interdisciplinary Qualifications (6 CP)
  - Subjects of the Language Centre
  - Subjects of the HoC – House of Competence
  - Services of the FORUM

Example: FoS Electrical Power Systems and Electromobility

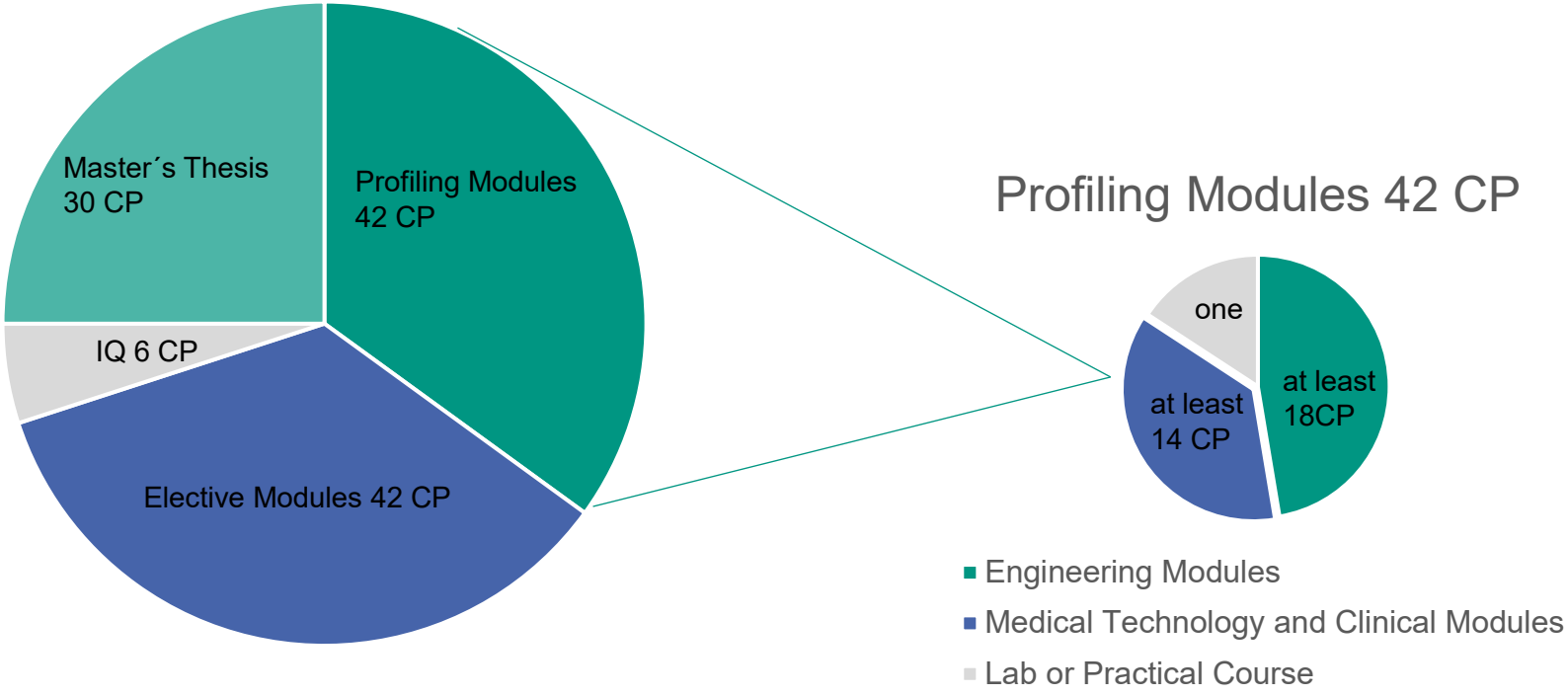
- **Profiles:**
  - Electromobility
  - Electric Drives
  - Power Electronic Systems
  - Renewables
  - Electrochemical Systems
  - Power Systems Engineering and Economics
  - Superconductor Engineering

Example: FoS Electrical Power Systems and Electromobility

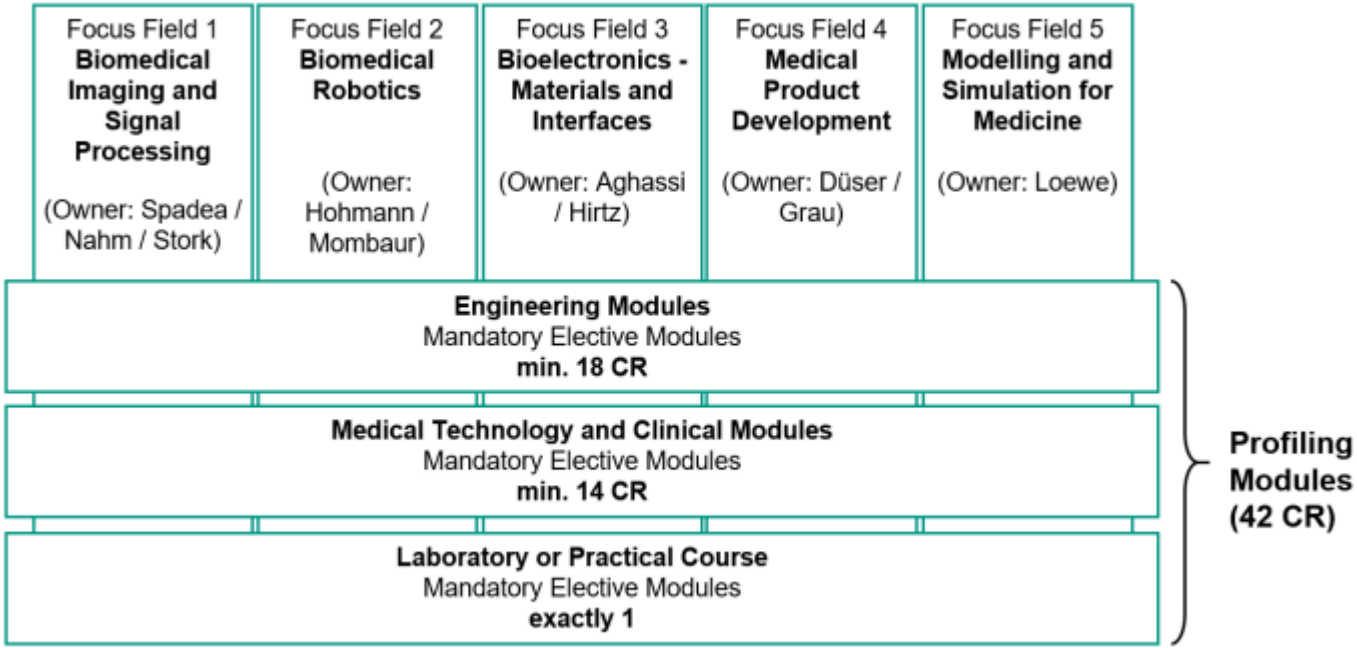
- Fundamentals (24 CP)

Fundamentals (24 CP)	CP winter	CP summer	Electro-mobility	Electric Drives	Power Electronic Systems	Renewables	Electro-chemical Systems	Power Systems Engineering & Economics	Super-conductor Engineering
English modules									
Batteries and Fuel Cells	6		x			x	x		
Electric Power Transmission & Grid Control		6	x		x	x		x	x
Numerical Methods with Programming Practice		6	x	x	x	x	x	x	x
Optimization of Dynamic Systems	6		x	x	x	x	x	x	x
Power Electronics		6	x	x	x	x	x	x	x
Superconductivity for Engineers	6								x

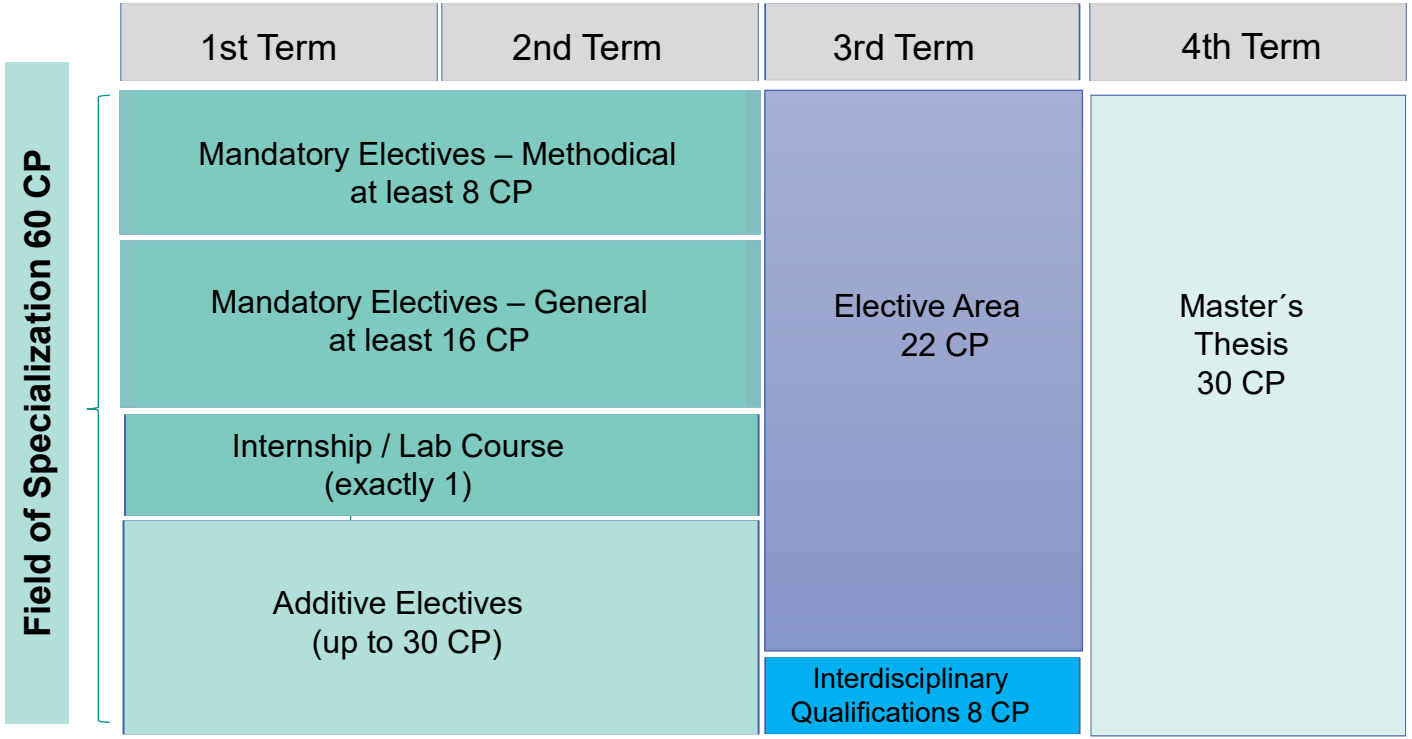
Your Study Program BME



Your Study Program BME



Your Study Program MIT



Your Study Program MIT

22.10.2025

Choose 1 Field of Specialization
Energy Technology
Industrial Informatics and Systems Engineering
Vehicle Systems Engineering
Micro System Technology
Automation, Control and Robotics
Autonomous Systems and AI
Design of Mechatronic Systems

Where to find us: Study Program Office

Building 10.91, Room 223.1

If you have any questions or problems regarding your studies you are welcome to contact us!

master-info@etit.kit.edu

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