

WELCOME TO KIT

Master Mechatronik und
Informationstechnik



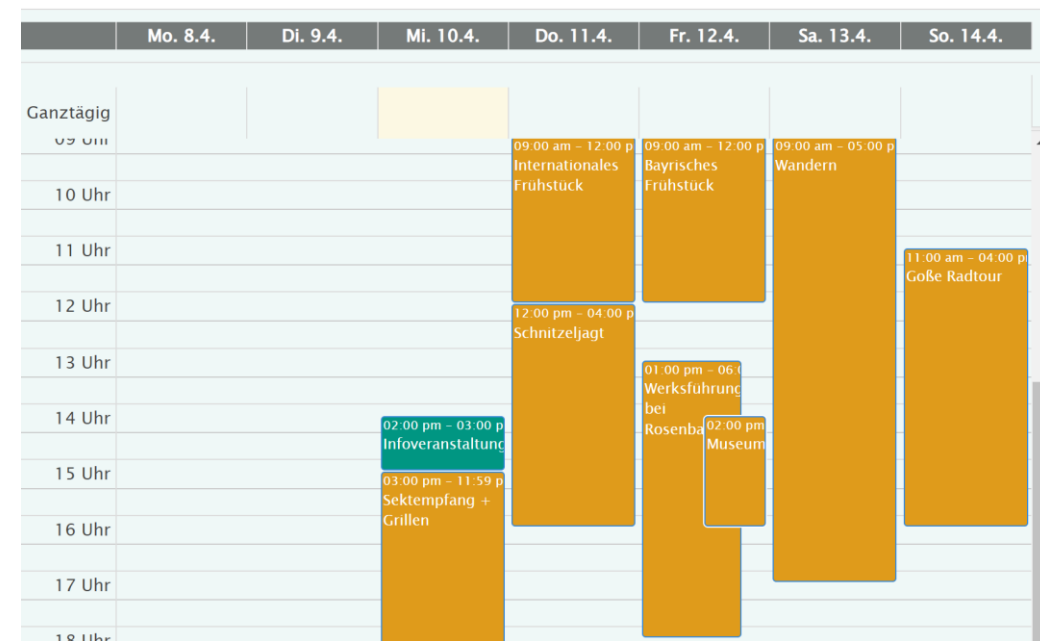
MASTER O-PHASE

Student Councils MACH/CIW and ETIT



CALENDAR

- Afterwards: Champagne Reception + Barbecue
- Breakfasts
- Bicycle Tours
- Field Trips
- Evening program
- Guided Tours



<https://www.fs-fmc.kit.edu/o-kalender>

FURTHER INFORMATION EVENTS



- How to Uni und Campustour on Monday, 15.04.2024
– Primarily for Studens new to KIT





REGISTRATIONS

- For some events you need to do an online registration beforehand: Open from 03:30 pm today
- Rosenbauer-Field Trip: Register quickly
 - Deadline for deposits as early as Thursday
- Guided tours of institutes
 - Campus Nord: Please combine both tours
- All information can be found by clicking on the calendar items



IMPORTANT INFORMATION

- You will receive your registration ribbon
→ **Bring a certificate of enrollment or letter of admission (not KIT ID)**
- Up to date information can be found on the website:
www.fs-fmc.kit.edu/master_o-phase
- Remember to register to our E-Mail distribution list:
www.fs-fmc.kit.edu/semesterverteiler



WHAT IS THE JOB OF THE STUDENT COUNCIL?



study



Previous Exams

1,0



Interesse?

Fachschafts-Schnuppern FMC am 18.04.2024



Field Trips



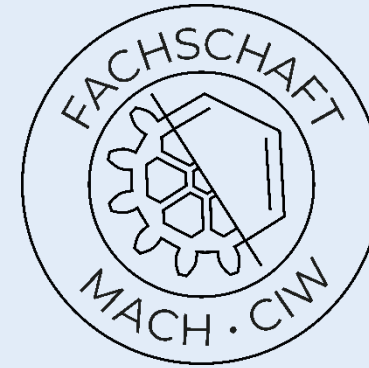
Counselling



Partys



AK MIT



Arbeitskreis Mechatronik
& Informationstechnik

AK MIT



Contact:

info@ak-mit.vs.kit.edu

- Study Committee
- Examination Board



Arbeitskreis Mechatronik
& Informationstechnik

MASTER'S PROGRAMME „MECHATRONIK UND INFORMATIONSTECHNIK“ AT KIT

Information event 10.04.2024



All slides will be uploaded afterwards!

→ FMC-Homepage: Navigate to „Studium“ and then
„Downloads“



General information for your studies

WHERE CAN I FIND INFO?



Website AK MIT:

ak-mit.vs.kit.edu

Website FS Mach/CIW:

fs-fmc.kit.edu

Website FS ETIT:

fs-etec.kit.edu

Website of the study programme:

www.mach.kit.edu/1982.php#

Mailing list:

<https://www.fs-fmc.kit.edu/semesterverteiler>

WICHTIGE ANSPRECHPARTNER



- **Dean of Studies**

- Prof. Dr.-Ing. Martin Doppelbauer
(Master)
E-Mail: martin.doppelbauer@kit.edu
- Prof. Dr.-Ing. Marcus Geimer
(Bachelor, Master examination board)
E-Mail: marcus.geimer@kit.edu

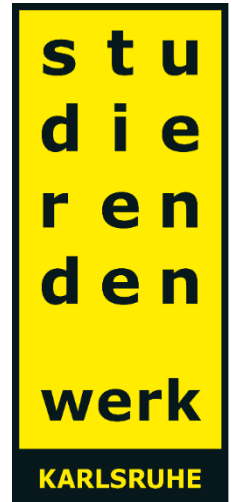
- **Study Programme Service
Master MIT**

- E-Mail: master-info@etit.kit.edu
- Website: https://www.etit.kit.edu/studiengangservice_master_etit_und_mit.php

COUNSELLING



- **Arbeitskreis MIT**
 - Mails: info@lists.ak-mit.vs.kit.edu,
pa@lists.ak-mit.vs.kit.edu
 - Website: www.ak-mit.vs.kit.edu
- **Student Councils**
 - Fachschaft MACH/CIW¹
 - Fachschaft ETIT²
- **Study Programme Service**
 - See previous slide
- **Studierendenwerk**
 - BeratungsWERK³
 - ISC – International Students Center⁴
- **IStO – International Students Office**⁵
 - Councelling for studies abroad
 - First contact point for international students



1. <https://www.fs-fmc.kit.edu/>

2. <https://fachschaft.etec.uni-karlsruhe.de/>

3. <https://www.sw-ka.de/de/beratung/beratungswerk/>

4. <https://www.sw-ka.de/de/internationales/>

5. <https://www.intl.kit.edu/intl/isto.php>

COUNSELLING



- **Counselling centres**

- Nightline Karlsruhe: nightline-karlsruhe.de
- Telephone counselling: telefonseelsorge-karlsruhe.de
- psychotherapeutic counselling centre for students (PBS):
<https://www.sw-ka.de/de/beratung/psychologisch/>



- **AStA: asta-kit.de**

- Legal Counselling
- Labour Law Counselling
- Counselling for foreigners
- Social Counselling
- Equal Opportunities Counselling
- Queer Counselling



FURTHER LINKS



- Campus-Portal: <https://campus.studium.kit.edu>
- Course Catalogue: <https://studium.kit.edu/vvz>
- SCC-Accountmanagement: <https://my.scc.kit.edu/>
- ILIAS: <https://ilias.studium.kit.edu>
- Mensa Meal Plan: <https://www.sw-ka.de/de/essen/>
- KIT Library: <https://www.bibliothek.kit.edu/index.php>
- Student-Mail: <https://owa.kit.edu>



Legalities and exams

Studien- und Prüfungsordnung (SPO 2015)

Study and Examination Regulations

Modulhandbuch (SPO 2015)

Module Handbook



Die Forschungsuniversität in der Helmholtz-Gemeinschaft

Amtliche Bekanntmachung

2021 Ausgegeben Karlsruhe, den 12. Juli 2021 Nr. 46

Inhalt

Seite

Sechste Satzung zur Änderung der Zulassungs- und
Immatrikulationsordnung des Karlsruher Instituts für
Technologie (KIT) 172



Modulhandbuch Mechatronik und Informationstechnik Master, SPO 2015 (Master of Science, M.Sc.)

SPO 2015
Wintersemester 2021/22
Stand 06.09.2021

KIT-FAKULTÄT FÜR MASCHINENBAU / KIT-FAKULTÄT FÜR ELEKTROTECHNIK UND INFORMATIONSTECHNIK



KIT – Die Forschungsuniversität in der Helmholtz-Gemeinschaft

www.kit.edu

WHERE CAN I FIND THESE DOCUMENTS?



Website of the study programme:

www.mach.kit.edu/1982.php#

- Master
 - KIT degree program page
 - Module handbook, Statutes and regulation
-
- There is a new Module Handbook every semester!

GENERAL INFO ON EXAMS



- A failed written exam can be repeated once more in written form. If the student fails the second attempt, an oral re-examination will be offered promptly, with the maximum achievable grade being 4,0. If the re-examination is missed, the examination is deemed to have been finally failed.
- A failed oral exam can be repeated once more in oral form. If the second attempt is also unsuccessful, the examination is deemed to have been definitively failed.
- Examination period and semester ends on 31 March/30 September, everything after that counts towards the next semester

GENERAL INFO ON EXAMS



- Registration for exams runs via the Campus Portal
 - For oral exams appointments may need to be made additionally
- Options for deregistration from written exams
 - Without deregistration, the test will be graded 5.0 (failed)
 - Deregistration usually in the Campus Portal up to the day before the exam
 - In person in the examination room before the exam is handed out
- Deregistration from oral exams up to 3 working days before the exam (Sundays and public holidays don't count)

RECOGNITION OF COURSES OF PREVIOUS STUDIES



- Has to be requested during the first semester
- Equivalent achievements already completed can be recognised (e.g. “Mastervorzug”, other degree programmes)
- Submit form to the study programme service
- Further Infos and form:
<https://www.mach.kit.edu/4522.php>



Arbeitskreis Mechatronik
& Informationstechnik

QUESTIONS?

Welcome to the first Semester of Master Courses

Mechatronik- und Informationstechnik (MIT)

We will start soon!

A close-up, slightly blurred image of a microchip or integrated circuit. The chip is rectangular and features a complex pattern of gold-colored traces and pads. Several colored pads (red, blue, green) are visible, likely representing different functional blocks or test points. The background is a soft, out-of-focus gradient of blue and red.

Agenda

- Welcome (Head of PA Committee, Prof. Dr.-Ing. Marcus Geimer)
- Organisational summary
- Challenges, questions, answers (Fachschaft, Team)
- Further discussion

Masterprüfungsausschuss (PA) Master Examination Board

■ Chairman:

- Prof. Dr.-Ing. Marcus Geimer
- Institute of Vehicle System Technology
(Contact via master-info@etit.kit.edu)



■ Program Service:

- Gisela Schlüter
- Jonas Schäfer
- Anastasia Wandler



Service of the Study Service

- Recognition of examination results in the Bachelor and Master's Programme
- Examination admissions for examinations outside the faculty
- Admission to the Bachelor and Master Thesis
- Processing of all applications for study derogations (i. e. deadline extension, “Zweitwiederholungen”, etc.)

Your Master Study Programme

- 120 Credit Points
 - 32 CP General Mechatronics
 - 35 CP Field of Specialization
 - 17 CP Interdisciplinary Subject
 - 6 CP Interdisciplinary Qualifications
 - 30 CP Master Thesis
 - (30 CP Additional Examinations, optional)
- Regular time of study 4 semester
- Maximum number of semesters: 8

**In
Summary
84 LP**

Your „Study Programme“

General Mechatronics 32 CP (mandatory for all students)

| | |
|--|------|
| Control of Linear Multivariable Systems | 6 CP |
| Materials | 5 CP |
| Product Development – Methods of Product Engineering | 6 CP |
| Numerical Methods | 5 CP |
| Measurement Technology | 5 CP |
| Engineering Mechanics | 5 CP |

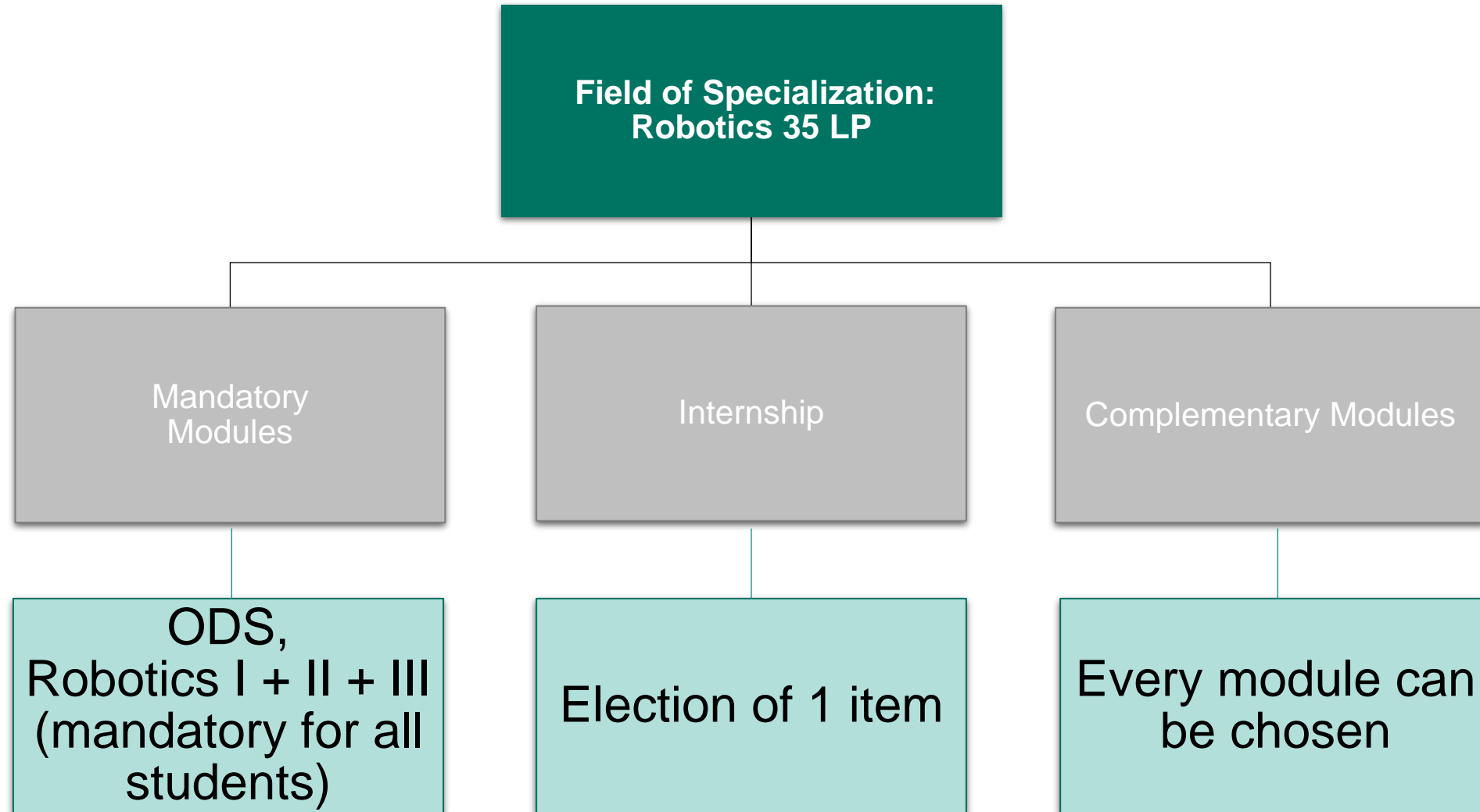
Your „Study Programme“

Choose 1 of (currently) 8 Fields of Specializations

| | |
|-------------------------------------|-------|
| Automotive Engineering | 35 CP |
| Power Engineering | 35 CP |
| Microsystems Technology | 35 CP |
| Medical Technology | 35 CP |
| Industrial Automation | 35 CP |
| Control Engineering in Mechatronics | 35 CP |
| Robotics | 35 CP |
| Design of Mechatronic Systems | 35 CP |

Your Study Programme

Using the example of „Robotics“

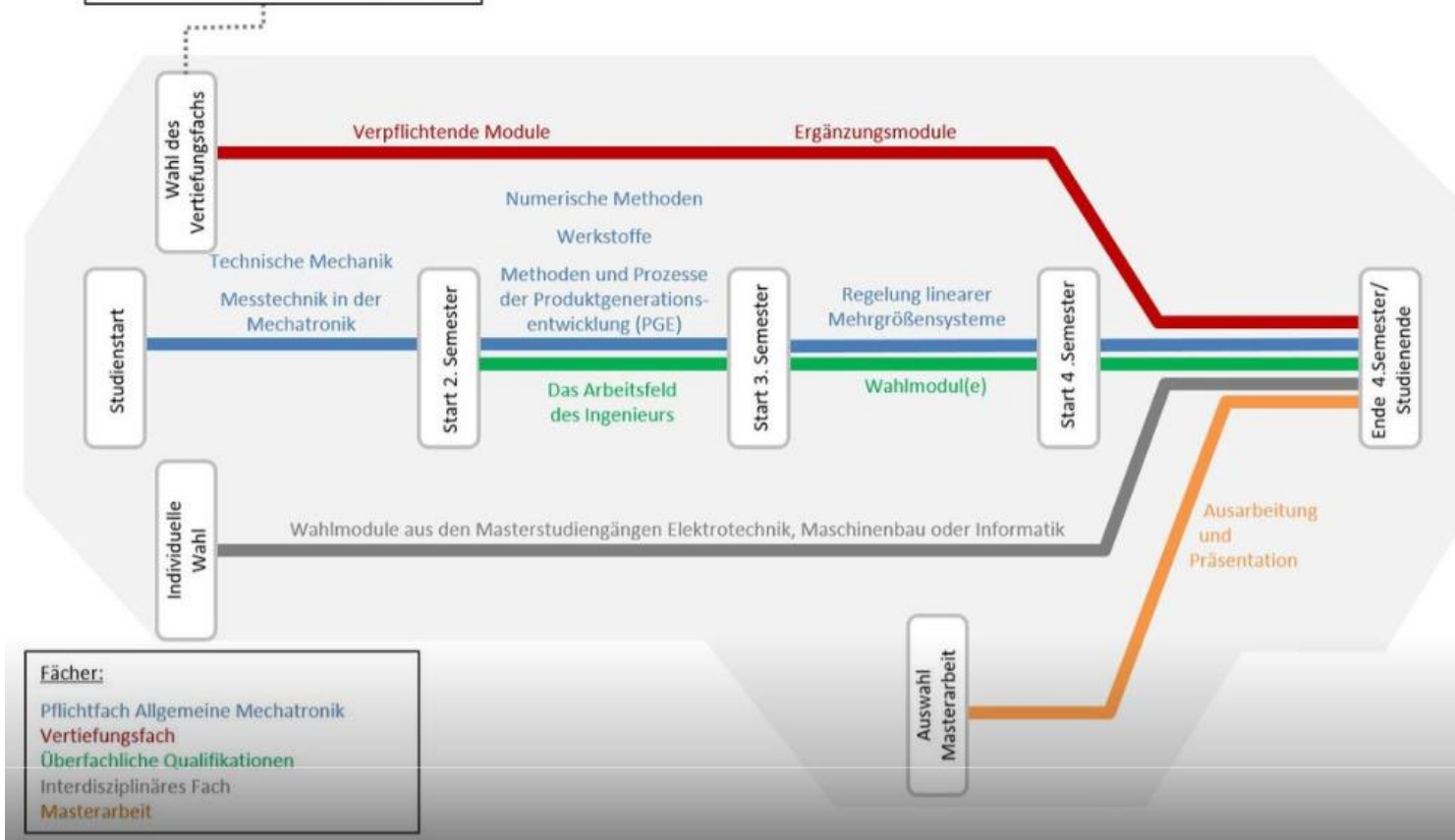


Your Study Programme

Fahrplan fürs Studium M.Sc. Mechatronik und Informationstechnik (SPO 2015)

- Wählbare Vertiefungsfächer*:**
- Fahrzeugtechnik
 - Energietechnik
 - Mikrosystemtechnik
 - Medizintechnik
 - Industrieautomation
 - Regelungstechnik in der Mechatronik
 - Robotik
 - Konstruktion mechatronischer Systeme

*) Die Wahl des Vertiefungsfachs bestimmt welche verpflichtenden Module und welche Ergänzungsmodule wählbar sind bzw. gewählt werden müssen.



Interdisciplinary Qualifications (6 CP)

- Subjects listed in the modulehandbook
 - Difference to the lectures of specialization, mainly non-technical content
- Subjects of the Language Centre
 - One course per semester free of charge
 - <https://www.spz.kit.edu/>
- Subjects of the HoC – House of Competence
 - <https://studium.hoc.kit.edu/>
- Services of the ZAK - Centre for Applied Cultural Studies and Studium Generale
 - https://www.zak.kit.edu/studium_generale_und_lehre.php

Important Deadlines:

- Recognition of examinations in the first semester after matriculation
- Second repetition (“Zweitwiederholungen”) must be requested and approved by the MPA. As long as they are not approved, you have lost the right to take the exam and are not allowed to write exams at KIT.

Check the Examination Regulations regarding deadlines

FAQs:

https://www.etit.kit.edu/rd_download/FAQs_2022-03-29.pdf

- I am not yet sure which specialization I should choose.....
 - You can find information about the individual specializations in the module handbook

- Can I change the specialization during my studies?
 - Yes, find out in advance which modules you have already taken can be transferred to the new specialization

- Which modules do I choose for the interdisciplinary subject?
 - You can take courses in mechanical engineering, electrical engineering and computer science (in consultation with the lecturer)

Where you find us

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

0721/608 42469

0721/608 47516

0721/608 42746