

Information Technology (IT) Master of Engineering

Welcome to Frankfurt University of Applied Sciences

1. Semester	2. Semester	3. Semester	4. Semester
Vector Analysis (1)	Digital Baseband Transmission and Modulation Methods (6)	Mobile Computing (8)	Master Thesis and Colloquium (19)
Stochastic Signals and Systems (2)	Distributed Systems and Computer Networks (7)	Optional Technical Subject (11)	
Methods, Systems and Networks for Digital Communication (3)	Digital Switching and Routing (9)	Automation Laboratory (13)	
Circuit Design for Communication Systems (4)	Field Theory for Optical and Microwave Communication Systems (10)	Computational Intelligence (14)	
Software Engineering (5)	Image Processing and Identification of Dynamic Systems (12)	Autonomous Intelligent Systems (15)	
International Project Management and Business Administration (17)	Optional Technical Subject (16)	Project (18)	

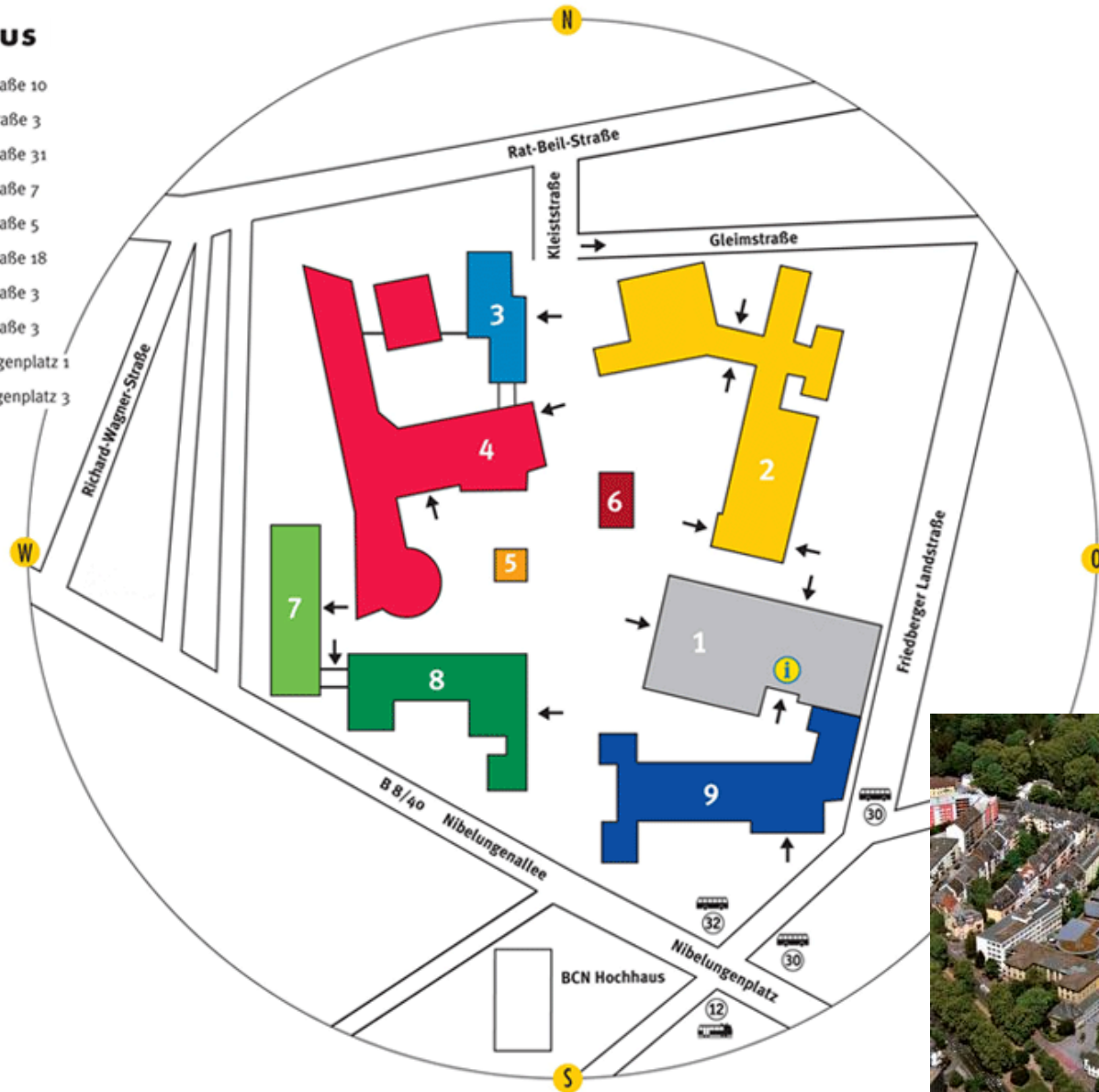


Fachbereich 2 Informatik und Ingenieurwissenschaften

Map of FRA-UAS

Campus

- ① Kleiststraße 10
- ② Gleimstraße 3
- ③ Kleiststraße 31
- ④ Kleiststraße 7
- ⑤ Kleiststraße 5
- ⑥ Kleiststraße 18
- ⑦ Kleiststraße 3
- ⑧ Kleiststraße 3
- ⑨ Nibelungenplatz 1
- BCN Nibelungenplatz 3



Why Master's studies, why Master's degree?

- Fun on studying
- Larger methodological skills
- Good career possibilities worldwide
- Scientific work, research and development (R&D)
- Sometimes subsequently PhD, scientific career (Master!)
- Higher salary, at least in the first job
- Management position
- ...

How?

- Study – study – study



Admission Requirements

- Bachelor degree in electrical and communication technology, electrical and computer engineering, information systems engineering or comparable Bachelor degree
- Average mark $\leq 2,5$
- Good skills in
 - electrical engineering
 - electronics
 - communication technology
 - software
 - signal processing and control engineering
- Good English language skills



Master IT-Studies in Fb2 of FRA-UAS

- 4 semesters
- In 1st and 2nd semester especially lectures and laboratories
 - Mathematical subjects
 - Hardware and high frequency technology
 - Communication technology
 - Software
 - Intelligent systems and automation technology
- In 3rd and 4th semester focus on projects and Master thesis (5 month)
- All lectures/courses in English
- Students very international
- About 35 registered students per year
- Degree: Master of Engineering



Master IT – Moduls Overview (Curriculum)

1. Semester	2. Semester	3. Semester	4. Semester
Vector Analysis (1)	Digital Baseband Transmission and Modulation Methods (6)	Mobile Computing (8)	<p>Example for Optional Technical Subject</p> <p>Master Thesis and Colloquium (19)</p>
Stochastic Signals and Systems (2)	Distributed Systems and Computer Networks (7)	Engineering of Optical and Microwave Communication Systems and Laboratory (11)	
Methods, Systems and Networks for Digital Communication (3)	Digital Switching and Routing (9)	Automation Laboratory (13)	
Circuit Design for Communication Systems (4)	Field Theory for Optical and Microwave Communication Systems (10)	Computational Intelligence (14)	
Software Engineering (5)	Image Processing and Identification of Dynamic Systems (12)	Intelligent Sensors Technology (15)	
International Project Management and Business Administration (17)	Optional Technical Subject (16)	Project (18)	

- 30 ECTS per semester
- 1st semester: 23 SWS
- 2nd semester: 22 SWS
- 3rd semester: 17 SWS
- Full time studies

→ Possible area of application: Smart City



Curriculum 1st Semester

- | | |
|---|------------|
| • Vector Analysis | 4 h |
| • Stochastic Signals and Systems | 4 h |
| • Methods, Systems and Networks
for Digital Communication | 4 h |
| • Circuit Design for Communication Systems | 4 h |
| • Software Engineering | |
| ○ Lectures | 2 h |
| ○ Project | 1 h |
| • International Project Management and
Business Administration | 2 h
2 h |
| • Total sum | 23 h |
-
- Special workshop “Germany: History, Democracy and Idea of Man”
at 21th November, 2 pm: attendance is a must!



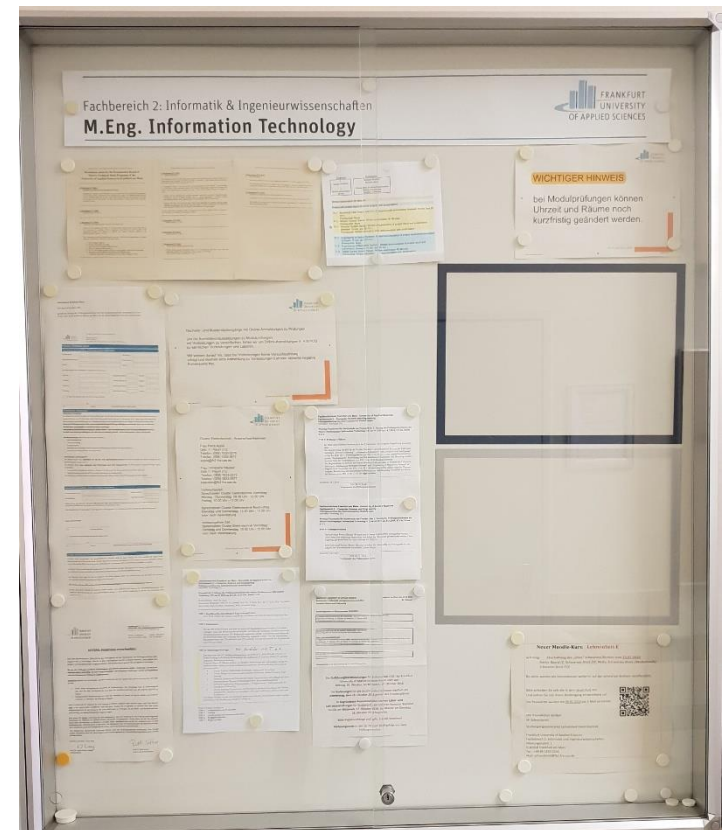
Lectures, Timetable, Postings

- Monday until Friday, Saturday is also possible
- Duration: 2 x 45 min = 90 min (one period/block)
- In principle there are 3 periods in the morning and 4 periods in the afternoon
- Please look at the timetable: postings 1st floor – building 8, beside room 106
- All lectures are in English



Postings acc. to Master IT Course

- Please look: postings 1st floor – building 8, corridor



Organisation and Administration

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- Start of lectures: Thursday, 18th October 2018
- End of lectures: Friday, 15th February 2019
- Examination period: 18th February – 1st March 2019
- Postings (building 8, 1st floor, corridor): timetable, reports on current affairs, information acc. to examinations, decisions of examination board
- E-Learning platform Moodle
 - <https://www.frankfurt-university.de/de/hochschule/einrichtungen-und-services/e-learning/e-learning-tools/lernplattform-moodle/>
 - <https://moodle.frankfurt-university.de>
 - <https://moodle.frankfurt-university.de/course/index.php?categoryid=18>
registration necessary
- Office of Department Electrical Engineering
 - Mrs. Z. Demirezen, Demirezen@fb2.fra-uas.de and
Mr. M. Schneiderei, schneiderei@fb2.fra-uas.de
 - building 8, 1st floor, room 111
 - Monday – Friday, 8.30 – 12 am



Organisation and Administration

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- Examination office
 - Applications and requests concerning examinations
 - Mrs. P. Appel, appel@fb2.fra-uas.de, Mrs. C. Häusler, haeusler@fb2.fra-uas.de
 - Building 1, 2nd floor, room 212
 - Monday – Thursday, 9.30 – 12 am, Friday, 10-11 am, Tuesday and Thursday, 1.30-3.30 pm
 - <https://www.frankfurt-university.de/de/hochschule/fachbereich-2-informatik-und-ingenieurwissenschaften/einrichtungen-services/pruefungsamt/>
- Programme director: Prof. Dr. S. Kuhn, svenkuhn@fb2.fra-uas.de
- Chairman of examination board: Prof. Dr. U. Trick, trick@e-technik.org
- Professors supervising the courses

Cluster Elektrotechnik

Bachelor-Studiengänge:

- Elektrotechnik und Informationstechnik (EIT - auslaufend 28.02.2017)
- Elektrotechnik und Kommunikationstechnik (EKT)
- Energieeffizienz und Erneuerbare Energien (EEE - dual)
- Electrical Engineering and Information Technology (EEIT - VGU)
- Informationssystemtechnik (IST)
- Ingenieur-Informatik (II - auslaufend 28.02.2017)
- Mechatronik/Mikrosystemtechnik (MM - auslaufend 31.08.2016)
- Mechatronik (Mech)

Master-Studiengänge:

- Information Technology (IT)

Important information sources

- See “Organisation and Administration”
- Website Master IT: <https://www.frankfurt-university.de/de/studium/master-studiengange/information-technology-meng/fuer-studieninteressierte/>
- Documents for “Examination Regulations”
 - <https://www.frankfurt-university.de/de/studium/master-studiengange/information-technology-meng/fuer-studierende/>
 - Documents “Prüfungsordnung” (examination regulations) and “Modulhandbuch (module handbook)
- Postings
- FRA-UAS web pages
- Moodle web pages
- Web pages of professors, e.g. www.e-technik.org
- Consultation hours of professors

Examinations

- See “Organisation and Administration”
- See document “Examination Regulations”
- See document “Module Handbook/Descriptions”
- Kinds of exams: written, oral, project report, presentation, seminar
- Information about exams via postings
- Prerequisites
 - E.g. successful participation in a laboratory
 - Online registration via HIS (Hochschulinformationssystem) – deadline!
 - <https://his-www.dv.fh-frankfurt.de/qisserver/rds?state=user&type=0>
Check your admission!
- Failure to appear → not passed
- In case of illness a medical certificate is needed
- Maximum 3 attempts

Questions?

