

Master of Science in Computer Science

Department of Electrical Engineering & Computer Science (ETI)

Introduction to International Students



- Overview Computer Science Master
- Examination Office
- Further Corona Regulations
- Contact

Study Environment

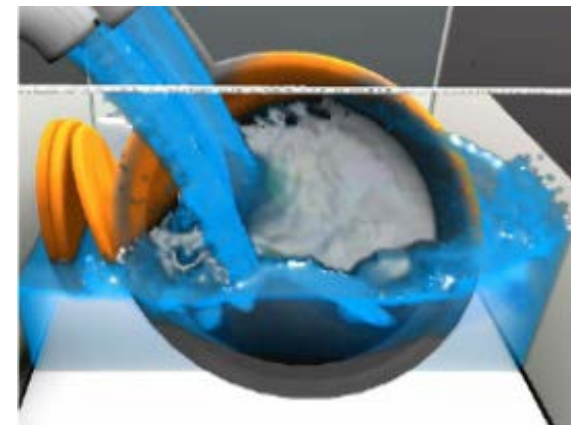
- The international Computer Science M.Sc. program provides theoretical and practical modules in small classroom settings.

Study Foci: The Master Program has two foci

- ***Embedded Systems (ES)*** includes for example
 - Cyberphysical Systems, Micro System Engineering and Ubiquitous Computing
- ***Visual Computing (VC)*** includes for example
 - Computer Vision, Computer Graphics and Machine Learning

The Master Program further comprises scientific seminars, project work and the Master thesis

Career Perspective: ES & VC are essential for e.g. autonomous driving, health care & smart production

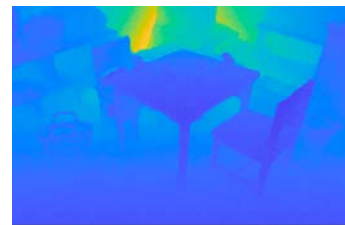
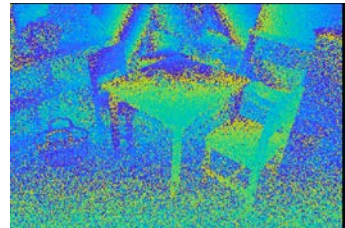


Research Opportunities

The Department of Electrical Engineering & Computer Science offers a large variety of research projects in different areas in which Computer Science Master students can get involved.

Major fields of research are:

- *Computational Sensorics*
- *Computer Vision*
- *Computer Graphics*
- *Data Communication*
- *Distributed Systems*
- *Embedded Systems*
- *Imaging Sensors*
- *Machine Learning*
- *Ubiquitous Computing*



Course Structure

	1. Semester	2. Semester	3. Semester	4. Semester
3 ECTS	Cutting Edge Research	Project Work		Master Thesis
3 ECTS				
3 ECTS	Core Module	Scientific Work.	Scientific Work. (Seminar)	
3 ECTS		Scientific Work.		
3 ECTS	Core Module	Core Module	Specialization Module	
3 ECTS				
3 ECTS	Core Module	Specialization Module	Specialization Module	
3 ECTS				
3 ECTS	Specialization Module	Specialization Module	Specialization Module	
3 ECTS				

- 4 core modules (6 CP each)
- 6 specialization modules (ES or VC; 6 CP each)
- Project work (individual or in a group)
- Cutting Edge Research: Insight into research projects of Computer Science chair at the University of Siegen
- Scientific Working (including seminar)

- Core modules (6 CP each):
 - Courses taught in English:
 - Winter term: Algorithms I, Computer Architecture II, Embedded Systems, Parallel Processing
 - Summer term: Modeling and Animation, Advanced Logic
 - Courses taught in German: Computer Networks II (summer), Software Engineering II (summer), Data Base Systems II (summer)
- Further course details see <http://www.master-cs.eti.uni-siegen.de/sites/www.master-cs.eti.uni-siegen.de/files/Dateianhaenge/modulliste-2103.pdf>

- After enrollment to the CS master, you will find all courses of your study program in UNISONO
- You can register for courses and exams and track the status of your registration
- Only suitable specialization modules should be visible and selectable based on your study focus (selected at enrollment)
- You can track your credits directly in UNISONO and you can print out study certificates
- In case of problems contact the mentor of the study focus or the examination office

- Details regarding the enrollment process
<https://www.uni-siegen.de/starting/registration/index.html.en>
- Lecture period in this winter term is Oktober 11th 2021 to Februar 4th 2022
- General information to the CS master see
<http://www.master-cs.eti.uni-siegen.de/>
- Timely registration for your courses in UNISONO is crucial! This is the only way for teachers to contact you!
- UNISONO hints can be found here:
 - https://www.uni-siegen.de/phil/studium/studienorganisation/leitfaeden/enrolling_for_courses_in_unisono.pdf
 - <https://www.youtube.com/watch?v=zDIJMgpVkeE>

- Lecture format
 - Mainly in presence or hybrid (presence and synchronous streaming)
 - Most CS courses will additionally provide digital (e.g. video) material
- Examination formats
 - For now, we have no exceptional Corona rules (as we had in the last semesters), i.e. the format are given in the examination regulations
 - Specifically, it is not decided if **remote oral exams** can be offered
- Do I need to come to Siegen
 - We strongly recommend to come to Siegen as soon as possible
 - Teamwork and study groups are a key to success
 - Stay in touch with your classmates
- Student representatives (FSR)
 - Telegram: <https://t.me/joinchat/AOIQo0uJFdng99O3Xb1Ing>

German Courses

Das Sprachenzentrum

Sprachkurse in
DaF, Englisch,
Spanisch und 11 weiteren
Sprachen

Online-Kurse in
Deutsch, Englisch
und Spanisch

 Sprachcafé
Language
Café

 onSET
online-Sprachschulungsteil

 ETS TOEIC
ETS TOEFL

 TestDaF
Test Deutsch als Fremdsprache

 Sprachlerntandem
Language Tandem

 Exkursionen
Excursions

Anmeldung
über unisono
Register
via unisono

QVM-Projekte:
Arabisch, Portugiesisch,
Finnisch
QVM projects:
Arabic, Portuguese,
Finnish

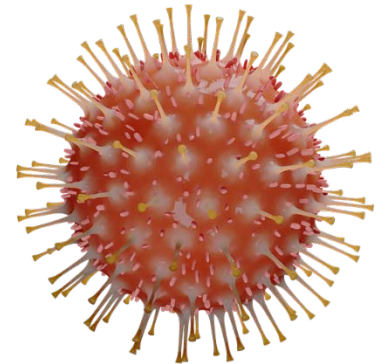
Filmbende
Movie nights

Fachsprachen
und Kurse zu
Schlüsselkompetenzen
Languages for Specific
Purposes and courses
on key skills

(see separate slides)

Courses in Times of Corona

- Please respect the fundamental rules the pandemic demands (distancing, wearing masks, washing hands)
- Please pay attention to the specific rules in the University's building (one-way stairs, single person elevator use, etc.)
- Stay in (digital) touch with your teachers!
This is how the University of Siegen is different from cousera/udemy, edX, etc.



Please stay updated via the University's Corona website
<https://www.uni-siegen.de/corona/index.html.en?lang=en>

- If you feel sick, stay home!
- If you are in Siegen and tested positive for Corona or there is a suspicion of infection, call
+49 (0) 271/740-5555.
- Fear of an infection, problems during your studies, and social distancing can be difficult to deal with.
Psychological support for students:

Emine Selvi

Room: AR-SSC 0.19

Anna Elisabeth Schäfer

Room: AR-SSC 0.18

[psychologische-beratung
@zv.uni-siegen.de](mailto:psychologische-beratung@zv.uni-siegen.de)

- STARTING (<https://www.uni-siegen.de/start/international/services/starting>)
 - Application/ Admission
 - Enrollment, , issuing the USi-Card, re-registration, leave of absence, change of degree program and exmatriculation
- ISA (International Student Affairs,
<https://www.uni-siegen.de/start/international/services/isa>)
 - Orientation events before the start of studies
(Campus Step by Step digital: 27.09.-01.10.)
 - Counseling and support during studies (e.g. authorities)
- EE and Computer Science Department
 - Application/ Admission
 - Orientation events at the beginning of studies
 - Academic advising and academic support

Mentors:

- Embedded Systems: Prof. Roman Obermaisser
roman.obermaisser@uni-siegen.de
- Visual Computing: Prof. Andreas Kolb
andreas.kolb@uni-siegen.de

Examination office:

Ms. Andrea Baule
pruefungsamt-inf@uni-siegen.de

International student advisor:

Faria Afzal
igs.advisor@nt.uni-siegen.de
Siliva Niet Wunram
niet@zess.uni-siegen.de

Chair of the examination committee:

Prof. Dr. Roland Wismüller
roland.wismueller@uni-siegen.de



R. Obermaisser



A. Kolb



A. Baule



F. Afzal



S. Niet



R. Wismüller