Master of Science in Computer Science

Department of Electrical Engineering & Computer Science (ETI)

Introduction to International Students





Overview

- Overview Computer Science Master
- Examination Office
- Contact

Education

Study Environment

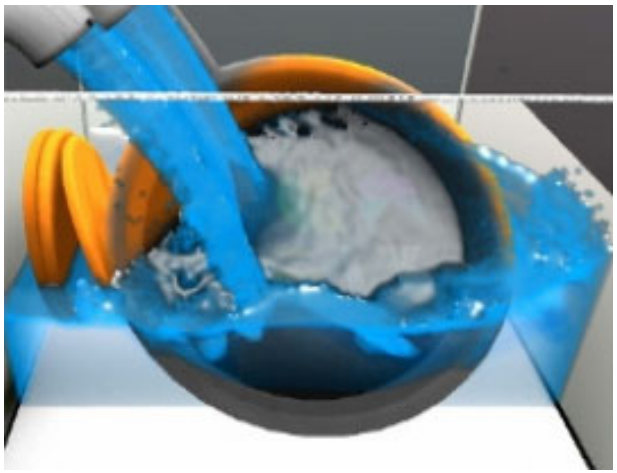
- The international Computer Science M.Sc. program provides theoretical and practical modules in small classroom settings.



Study Foci: The Master Program has three foci

- ***Embedded Systems (ES)***
- ***Visual Computing (VC)***
- ***Complex and Intelligent Software Systems (CIS)***

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



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

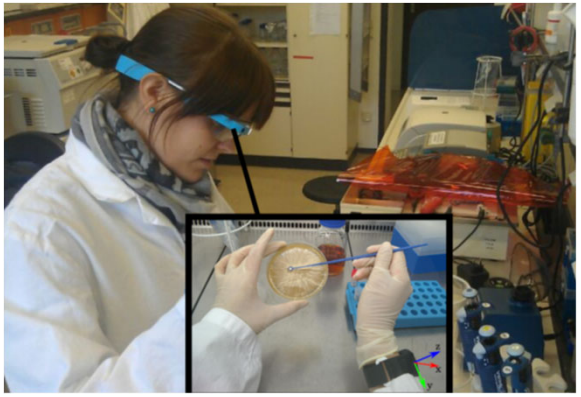
Research

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.

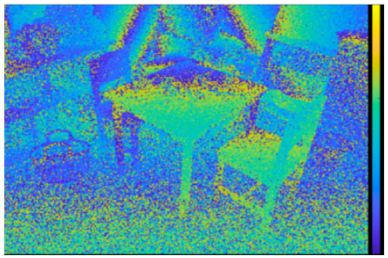
Major fields of research are:

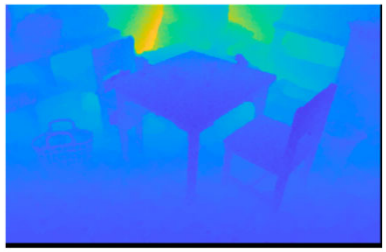
- ***Computational Sensorics***
- ***Computer Vision***
- ***Computer Graphics***
- ***Data Communication***
- ***Distributed Systems***
- **Embedded Systems**
- **Imaging Sensors**
- **Machine Learning**
- **Ubiquitous Computing**





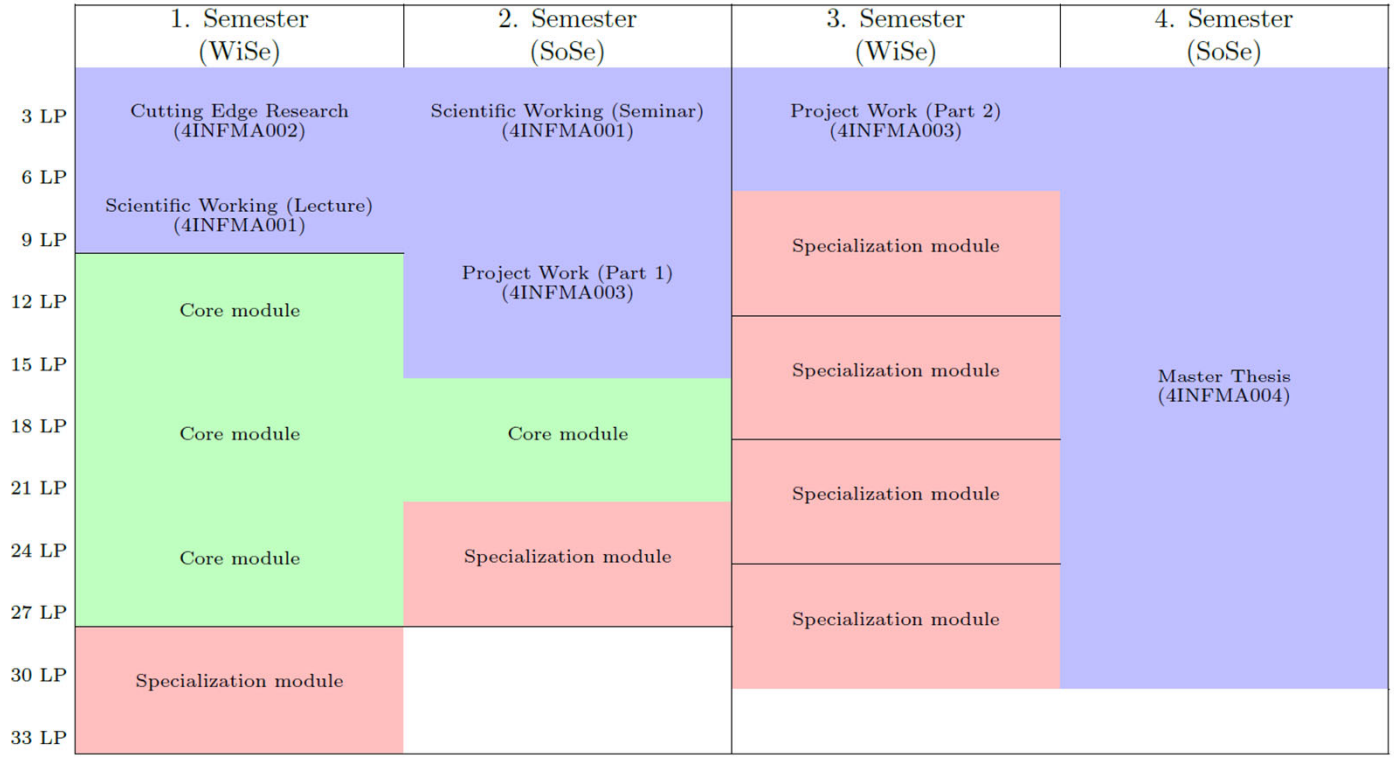








Course Structure



- 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)

Modules

- Core modules (6 CP each):
  - Courses taught in English:
    - Winter term: Algorithms I, Computer Architecture II, Parallel Processing, Modeling and Animation
    - Summer term:Advanced Logic, Introduction to Embedded Systems, Software Engineering II, Database Systems II
  - Courses taught in German: Computer Networks II (summer)
- Scientific Working = Block course + Seminar
  - Block course after the lecture period of the winter term

UNISONO: Campus Management System

- After enrollment to the CS master, you will find all courses of your study program in UNISONO
- You have to register for courses and exams and can 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

unisono

Obligatory Modules

- Additional obligatory courses are listed on your admission letter
- Procedure:
  - Contact the lecturer, he/she will give you course material and inform you about the examination modalities
  - After preparation, register for the exam (in the Examination Office, using the provided form) and make an appointment
  - Add. obligatory courses must be completed before starting the Master thesis
- The most common add. obligatory courses and lecturers:
  - Digital Image Processing → Prof. Möller
  - Formal Languages & Automata → Prof. Lohrey
  - Operating Systems & Distributed Systems → Prof. Wismüller
  - Software Engineering → Prof. Lochau
  - Digital Design → Prof. Obermaisser
  - Computer Graphics → Prof. Kolb

Further Course Information

- Details regarding the enrollment process https://www.uni-siegen.de/starting/registration/index.html.en
- Lecture period in this winter term is October 12th 2026, to February 5th, 2027
- 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.youtube.com/watch?v=zDIJMgpVkeE

Further Course Information

- Lecture format @ U Siegen: **In presence**
  - Int. Master courses are (mainly) held hybrid or provide alternative digital (e.g., video) material until **mid of November**
  - Contact your lecturer to get specific information
- Examination formats
  - The examination formats are given in the examination regulations / module handbook and are communicated in each course
- Do I need to come to Siegen?
  - Yes, we will provide hybrid/digital formats only until mid of November
  - Teamwork and study groups are a key to success
  - Stay in touch with your classmates
- Student representatives (FSR)
  - Telegram: https://t.me/joinchat/AOIQo0uJFdng99O3Xb1lng

German Courses

Das Sprachenzentrum

UNIVERSITÄT SIEGEN
Sprachenzentrum

Sprachkurse in DaF, Englisch, Spanisch und 11 weiteren Sprachen
Language courses in DaF, English, Spanish and 11 others languages



Sprachcafé
Language Café

TestDaF
Test Deutsch als Fremdsprache

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

onSET
online-Spracheinstufungstest

TOEIC
TOEFL

Sprachlerntandem
Language Tandem



Exkursionen
Excursions

Filmabende
Movie nights

Anmeldung über unisono
Register via unisono

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

www.uni-siegen.de/sprachenzentrum

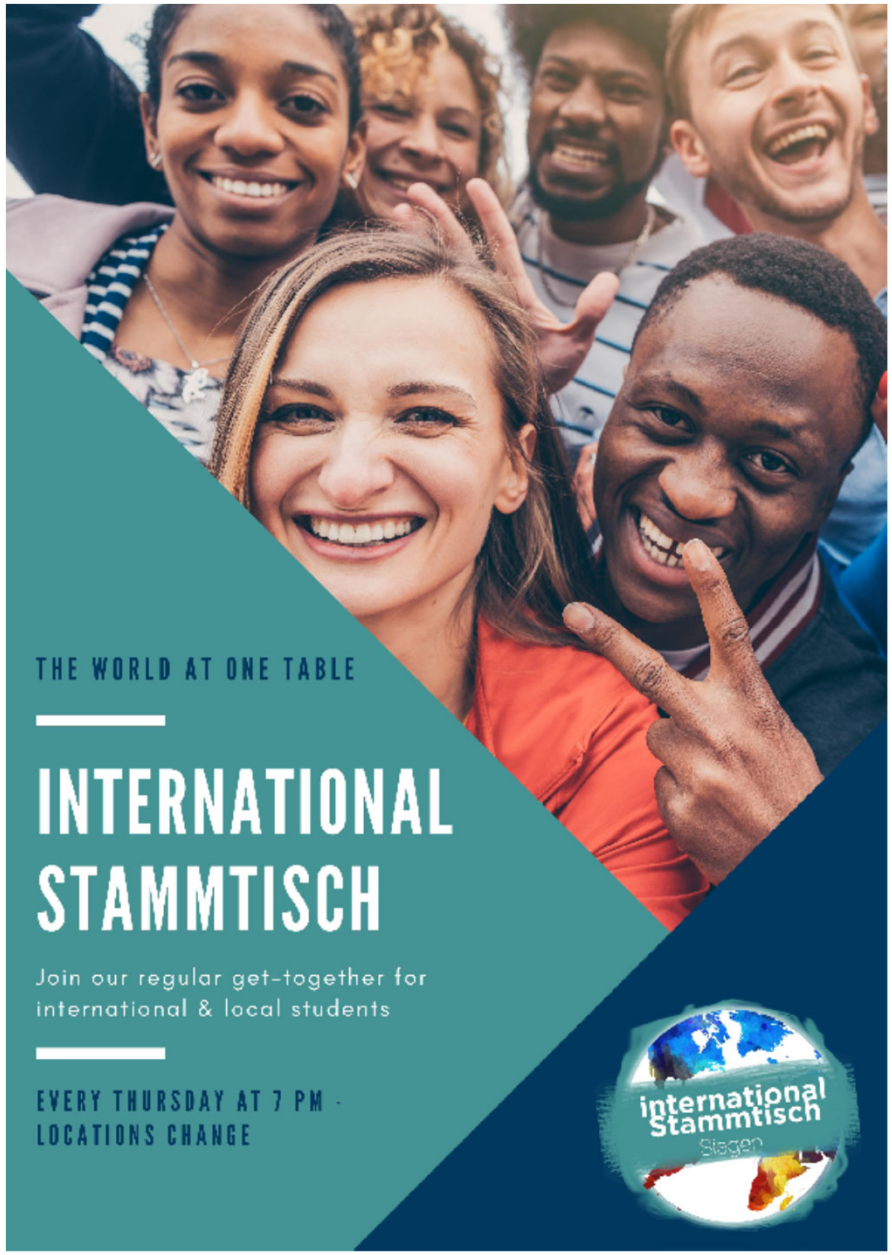
Examination Office

(see separate slides)

Administrative Roles

- 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
- IO (International Office, https://www.uni-siegen.de/start/international/services/io/index.html.en)
  - Various information for newcomers, see https://www.uni-siegen.de/incoming/programs/orientation/degree.html.en
  - 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

Further Student Support





Contact

Mentors:

- **Visual Computing**: Prof. Andreas Kolb
  andreas.kolb@uni-siegen.de
- **Embedded Systems**: Prof. Roman Obermaisser
  roman.obermaisser@uni-siegen.de
- **Complex and Intelligent Software Systems:**
  Prof. Malte Lochau, malte.lochau@uni-siegen.de

Examination office:
Ms. Andrea Baule
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International student advisor:
Ms. Faria Afzal
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Chair of the examination committee:
Prof. Roland Wismüller
roland.wismueller@uni-siegen.de


A. Kolb


R. Obermaisser


M. Lochau


F. Afzal


A. Baule


R. Wismüller