saarland-informatics-campus.de

Saarland Informatics Campus

Welcome for Master Students in Computer Science

Prof. Martina Maggio, Vice Dean of Studies, 11.04.2024

UNIVERSITÄT DES SAARLANDES

SIC Saarland Informatics Campus


SIC

Welcome at SIC

Click:

https://saarland-informatics-campus.de/en/

UNIVERSITÄT DES SAARLANDES

CBI CENTER FOR BIOINFORMATICS

M2CI CLUSTER OF EXCELLENCE

CISPA HELMHOLTZ CENTER FOR INFORMATION SECURITY

DFKI

max planck institut informatik

MAX PLANCK INSTITUTE FOR SOFTWARE SYSTEMS

About us

- **5 informatics institutes** and
  3 collaborating departments on campus
- Around **2,100 students** from more than **80 countries**
- **74 research groups**, 300 doctoral candidates
- **~ 800 scientists** at SIC
- 24 informatics study programs, **16 research fields**
- **5 Konrad Zuse** Medals**, 29 ERC** Grants, **7 Leibniz** Awards
- **4 Collaborative Research Centres**

More about us:

https://saarland-informatics-campus.de/en/ueberuns-aboutus/

Outstanding career prospects

Plenty of different work experience opportunities:

- You can work as a research assistant in the computer science department or at one of the five associate institutes or as an intern at one of the many start-ups and IT companies in the region (Dillinger, Saarstahl, ZF, Hydac, SAP and so on)

With a degree from Saarbrucken, you will be an ideal candidate for jobs in leading companies in the high-tech industry:

- Cooperations between our campus and numerous international organizations (more than 100), such as Google, Microsoft, Facebook, Intel, Samsung, IBM, EADS, Microsoft, Bosch, Airbus, Siemens, etc.

If you wish to pursue a career in academia, you can stay on with us:

- The Saarbrücken Graduate School of Computer Science provides an optimal environment for pursuing doctoral studies in computer science at an internationally competitive level

Saarland University provides a broad range of support for budding entrepreneurs:

- Since 2005 more than 100 spin-offs

Your Studies at Saarland University

Students in Computer Science

- In total: 407 bachelor students and

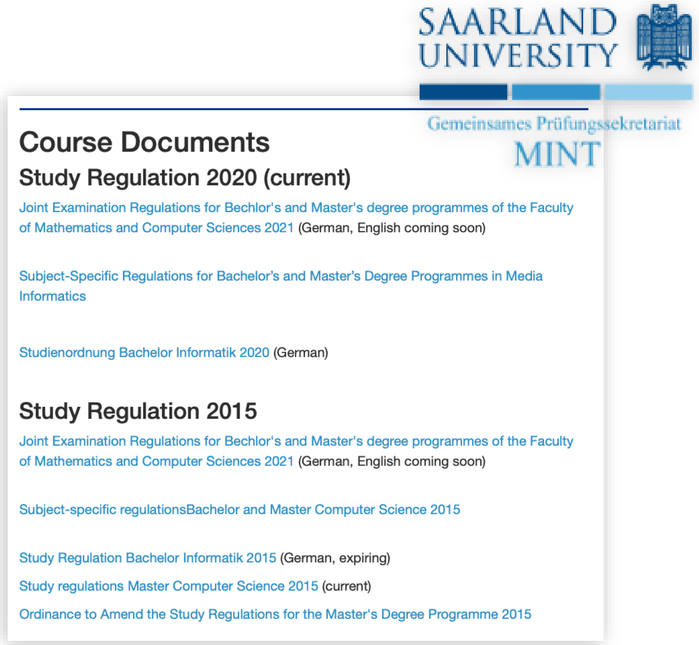
  376 master students in Computer Science
- Students from around 80 different countries in the CS department
- 54 professors and co-opted professors
- As well as 47 junior research groups

Study Regulations 2015 for Master of Computer Science

Read your study documents carefully!

Examination regulations, subject-specific regulations and study regulations: Check the website for the joint examination offices of all faculites of Natural Sciences and Technology

You have to know your rights and duties as student!



Study Regulations 2021 for Master‘s programme Computer Science

1. **27 graded** credits in the category of **core lectures** in computer science
2. **27–31 graded** credits in the categories of **core lectures, advanced lectures, or seminar** in computer science (here: at most 1 seminar!)
3. **7 graded** credits in the category of **seminars** in computer science
4. At least **17 ungraded credits** must be acquired by:
   - Further courses in computer science
   - Master practical training in research groups at CS department
   - Internship in a company (max. 6 CP); approved by the examination board
   - Leading a tutorial (tutor)
   - Language courses (max. 6 CP, living language)
   - Courses from other departments, which have been applied for and approved by the examination board (e.g. in mathematics, business informatics or computer linguistics)
5. **12 graded** credits for the **Master‘s seminar** and **30 CP** for the **Master‘s thesis**

Example Course List: All our core courses (offered at least every two years)

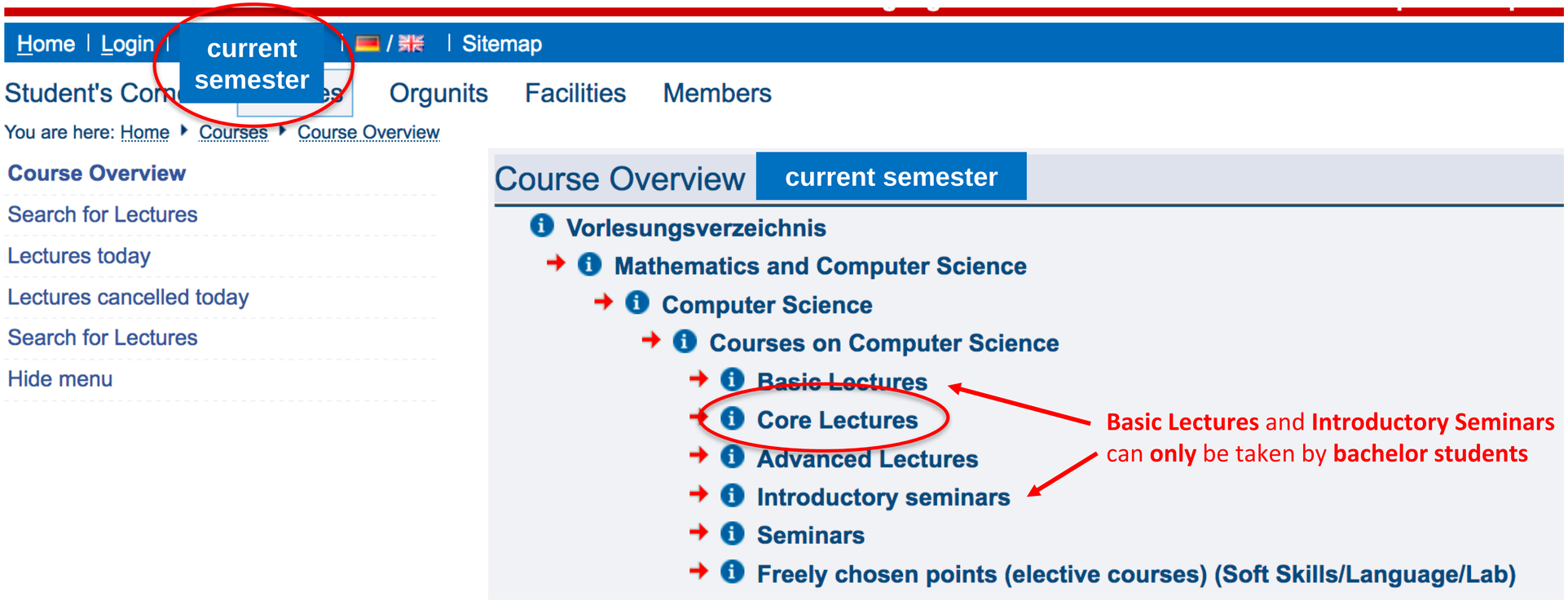
Algorithms and Data Structures
Artificial Intelligence
Automated Reasoning
Compiler Construction
Computer Algebra
Computer Graphics
Computer Networks
Cryptography
Data Bases and Information Systems
Formal Methods of Program Verification
Human Computer Interaction
Logic and Automated Reasoning
Machine Learning and Optimization
Operating Systems
Program Analysis
Programming Languages and Compilers
Software Engineering
Theory of Computation

Course catalogue (LSF)

How to choose a lecture – example: core lecture

Faculty Mathematics and Computer Science ⟶ Courses on Computer Science

https://www.lsf.uni-saarland.de/qisserver/rds?state=wtree&search=1&trex=step&root120201=253136|251379|252597|255390&P.vx=kurz



Course list (Core lectures)

How to choose a lecture – example: ICL

Course Overview (**current semester**) View: > **short** > me

- **Vorlesungsverzeichnis**
  - **Mathematics and Computer Science**
    - **Computer Science**
      - **Courses on Computer Science**
        - **Core Lectures**

Lect.-No.	Lecture	Type
122116	Artificial Intelligence - Hoffmann , Koehler	Lecture / Exercise/problem-solving class
123525	Cryptography - Döttling	Lecture / Exercise/problem-solving class
123526	Introduction to Computational Logic - Smolka	Lecture / Exercise/problem-solving class
123531	Optimization - Karrenbauer	Lecture / Exercise/problem-solving class
123532	Embedded Systems	Lecture / Exercise/problem-solving class
123537	Data Networks - Feldmann	Lecture / Exercise/problem-solving class
123678	Image Processing and Computer Vision - Weickert , Mitarbeiter des Lehrstuhls	Lecture / Exercise/problem-solving class

Example !

→

Introduction to Computational Logic - Einzelansicht

Zurück

Funktionen: markierte Termine vormerken

Seiteninhalt: Grunddaten | Termine | Zugeordnete Person | Studiengänge | Hochschulstruktur | Inhalt | Strukturbaum

Grunddaten

Veranstaltungsart	Vorlesung / Übung	**Langtext**	
Veranstaltungsnummer	136477	**Kurztext**	
Semester	SoSe 2022	**SWS**	
Erwartete Teilnehmer/-innen		**Max. Teilnehmer/-innen**	
Turnus		**Veranstaltungsanmeldung**	Keine Veranstaltur
Credits			
Weitere Links	https://cms.sic.saarland/icl_22/		
Sprache	englisch		

Example !

Please follow the instructions given on the webpage and/or join the first lecture

Termine Gruppe:

	Tag	Zeit	Turnus	Dauer	Raum	Raum-plan	Lehrperson	Status	Bemerk
	Mi.	12:00 bis 14:00	woch		Gebäude E1 3 - Hörsaal II (0.02.1)				
	Fr.	14:00 bis 16:00	woch		Gebäude E1 3 - Hörsaal II (0.02.1)				

Example master‘s program Computer Science

Sem.	Course			
1	Core course	Core course	Advanced course	Language course
2	Core course	Core or advanced course	Seminar	Advanced course
3	Masterseminar 12 CP	Seminar	Advanced course	Advanced course
4	Thesis 30 CP			

Control of progress

Full-time students are expected to deliver the following minimum requirements in the Master course of study:

- At least 9 credits after 1 semester
- At least 30 credits after 2 semesters
- At least 60 credits after 4 semesters
- At least 90 credits after 6 semesters

In case a student does not meet the minimum requirements for the second time, he/she shall **lose the right to participate in examinations**.

Students shall be given the opportunity to make a written statement before the examination board makes the final decision in the matter.

Examination registration

Please notice: For **all examinations** you have to register in LSF **one week before** the exam at the latest (final exam and/or re-exam)! **A delayed registration is not allowed!**
A withdrawal is possible **one week** before the respective exam at the latest; later only with a medical certificate!

Only for core lectures: You can improve a grade in a core course if you pass the final exam and take part in the re-exam **in the same exam period**. The better grade counts.

For some courses e.g. seminars you have also to register before the course starts (limited number of participants): Please have a look at the respective website because of the conditions for registration.
Seminar registration: https://seminars.cs.uni-saarland.de/
A withdrawal from a seminar registration is only possible three weeks after getting the topic for presentation.

Problems? Please contact the study coordination!

Contacts

Study Coordinators: Dr. Tanja Breinig and Barbara Schulz-Brünken
Assistance in your study organisation and progress:
questions about the examination and study regulations, academic or personal problems, information about exchange semesters, etc.
Building E1.3, rooms 209 and 207
Office hours: Tuesday and Thursday, 11 a.m.-1 p.m. (book an online appointment via MS Teams): https://www.uni-saarland.de/en/department/department-of-computer-science/department.html
Emails to: studium@cs.uni-saarland.de

Examination office: Bianca Schaum and Jacqueline Pennekamp
Administration and processing of your programme achievements:
Transcript of record, registration master thesis, official certificates, recognition of external academic achievements, etc.
Building E1.3, room 202
Office hours: Mondays, Tuesdays and Thursdays, 9.30 -11.00 a.m. (information on website)
Emails to: cs@ps-mint.uni-saarland.de

SIC System Administration: https://it.cs.uni-saarland.de/

Let's be friends, follow us!

Connect with us on Instagram
@Saarland_Informatics_Campus

Like us on Facebook
Saarland Informatics Campus #SIC

Follow us on Twitter
@SIC_Saar

SIC Saarland Informatics Campus

UNIVERSITÄT DES SAARLANDES

CBI CENTER FOR BIOINFORMATICS

M2CI CLUSTER OF EXCELLENCE

DFKI German Research Center for Artificial Intelligence

mpii max planck institut informatik

MAX PLANCK INSTITUTE FOR SOFTWARE SYSTEMS

Enjoy your studies!
saarland-informatics-campus.de

SIC Saarland Informatics Campus

UNIVERSITÄT DES SAARLANDES

CBI CENTER FOR BIOINFORMATICS

M2CI CLUSTER OF EXCELLENCE

DFKI German Research Center for Artificial Intelligence

mpii max planck institut informatik

MAX PLANCK INSTITUTE FOR SOFTWARE SYSTEMS