

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

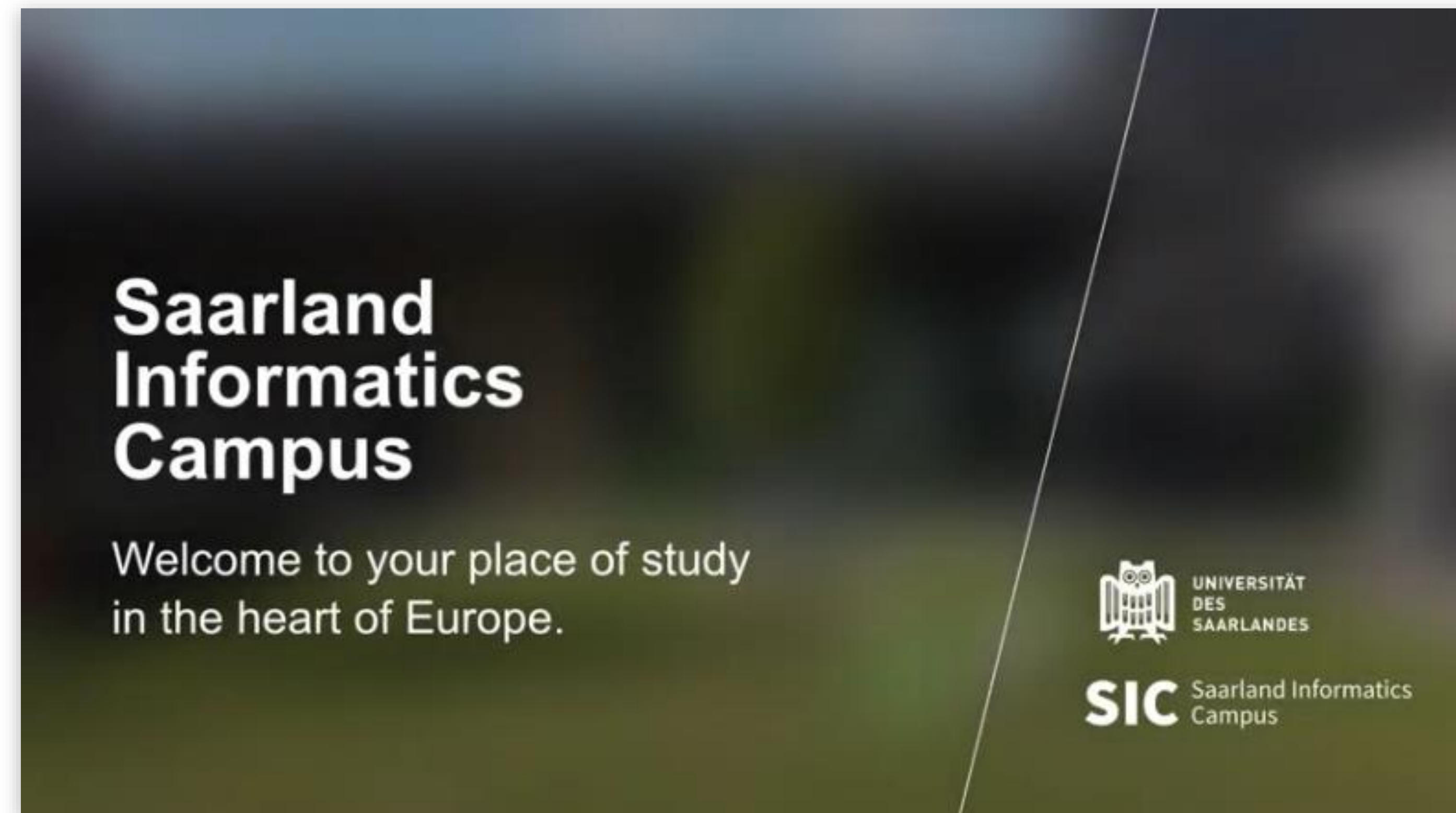


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WELCOME

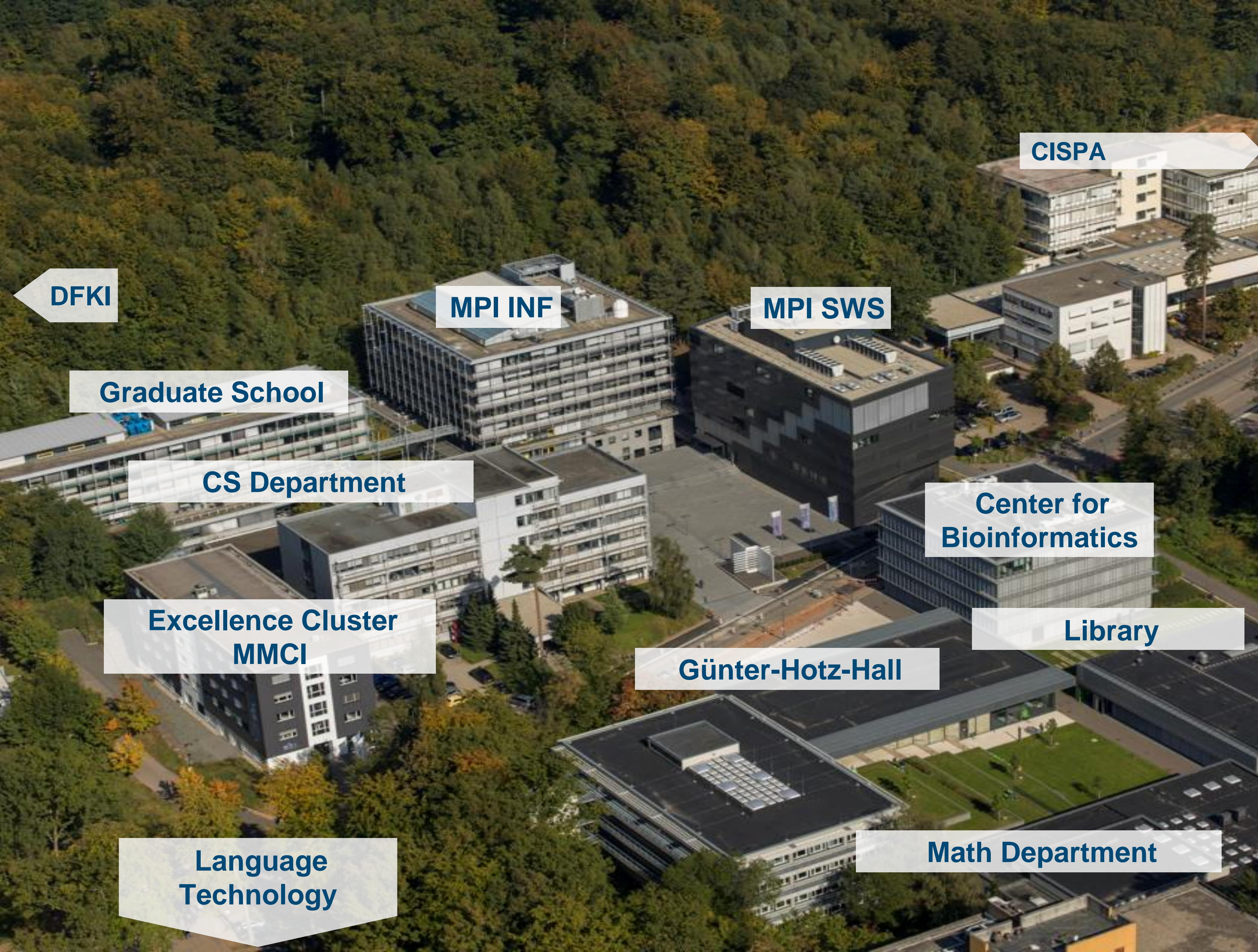
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## Welcome at SIC



**Click:**

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



DFKI

Graduate School

CS Department

Excellence Cluster  
MMCI

Language  
Technology

MPI INF

MPI SWS

CISP A

Center for  
Bioinformatics

Library

Günter-Hotz-Hall

Math Department



UNIVERSITÄT  
DES  
SAARLANDES



CBI CENTER FOR  
BIOINFORMATICS



CISP A  
HELMHOLTZ CENTER FOR  
INFORMATION SECURITY



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/>

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CAREER PROSPECTS

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## 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 Saarbrücken, 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](http://www.graduateschool-computerscience.de) 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**

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YOUR STUDIES

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## 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 faculties of Natural Sciences and Technology](#)

*You have to know your rights and duties as student!*



### Course Documents

#### Study Regulation 2020 (current)

Joint Examination Regulations for Bachelor's and Master's degree programmes of the Faculty of Mathematics and Computer Sciences 2021 (German, English coming soon)

Subject-Specific Regulations for Bachelor's and Master's Degree Programmes in Media Informatics

Studienordnung Bachelor Informatik 2020 (German)

#### Study Regulation 2015

Joint Examination Regulations for Bachelor's and Master's degree programmes of the Faculty of Mathematics and Computer Sciences 2021 (German, English coming soon)

Subject-specific regulations Bachelor and Master Computer Science 2015

Study Regulation Bachelor Informatik 2015 (German, expiring)

Study regulations Master Computer Science 2015 (current)

Ordinance to Amend the Study Regulations for the Master's Degree Programme 2015

## 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**

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YOUR STUDIES

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

Algorithms and Data Structures      Data Networks  
 Artificial Intelligence      Operating Systems      Semantics  
     Automated Reasoning      Distributed Systems  
 Compiler Construction      Complexity Theory      Optimization  
     Computer Algebra      Computer Architecture      Machine Learning  
 Computer Graphics      Embedded Systems      Cryptography  
     Information Retrieval and Data Mining      Data Base Systems  
 Software Engineering      Telecommunications  
     Image Processing and Computer Vision      Verification  
 Human Computer Interaction      Geometric Modelling  
     Computational Logic      Security

## 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>

The screenshot shows the LSF course catalogue interface. At the top, there is a navigation bar with links for Home, Login, current semester (highlighted in red), and Sitemap. Below this, there are links for Student's Corner, Orgunits, Facilities, and Members. A breadcrumb trail indicates the current location: Home > Courses > Course Overview.

The main content area is titled 'Course Overview' and 'current semester'. It displays a hierarchical list of courses:

- Basic Lectures
      - Core Lectures** (circled in red)
      - Advanced Lectures
      - Introductory seminars
      - Seminars
      - Freely chosen points (elective courses) (Soft Skills/Language/Lab)

A red note with arrows pointing to 'Basic Lectures' and 'Introductory seminars' states: **Basic Lectures and Introductory Seminars can only be taken by bachelor students**.

YOUR STUDIES

# 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	<a href="#">Artificial Intelligence</a> - Hoffmann , Koehler	Lecture / Exercise/problem-solving class
123525	<a href="#">Cryptography</a> - Döttling	Lecture / Exercise/problem-solving class
123526	<a href="#">Introduction to Computational Logic</a> - Smolka	Lecture / Exercise/problem-solving class
123531	<a href="#">Optimization</a> - Karrenbauer	Lecture / Exercise/problem-solving class
123532	<a href="#">Embedded Systems</a>	Lecture / Exercise/problem-solving class
123537	<a href="#">Data Networks</a> - Feldmann	Lecture / Exercise/problem-solving class
123678	<a href="#">Image Processing and Computer Vision</a> - Weickert , Mitarbeiter des Lehrstuhls	Lecture / Exercise/problem-solving class

*Example !*



## Introduction to Computational Logic - Einzelansicht

Zurück

Funktionen:

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 Veranstalter
Credits			
Weitere Links	<a href="https://cms.sic.saarland/icl_22/">https://cms.sic.saarland/icl_22/</a>		
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		<a href="#">Gebäude E1 3 - Hörsaal II (0.02.1)</a>				
🇩🇪	Fr.	14:00 bis 16:00	woch		<a href="#">Gebäude E1 3 - Hörsaal II (0.02.1)</a>				

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YOUR STUDIES

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## Example master's program Computer Science

<b>Sem.</b>	<b>Course</b>			
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			

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## YOUR STUDIES

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### 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!



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## YOUR STUDIES

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### Contacts

**Study Coordinators: Dr. Rahel Stoike-Sy 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, Wednesday and Friday (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](mailto:studium@cs.uni-saarland.de)

**Examination office: Bianca Fauß and Jacqueline Pennekamp**

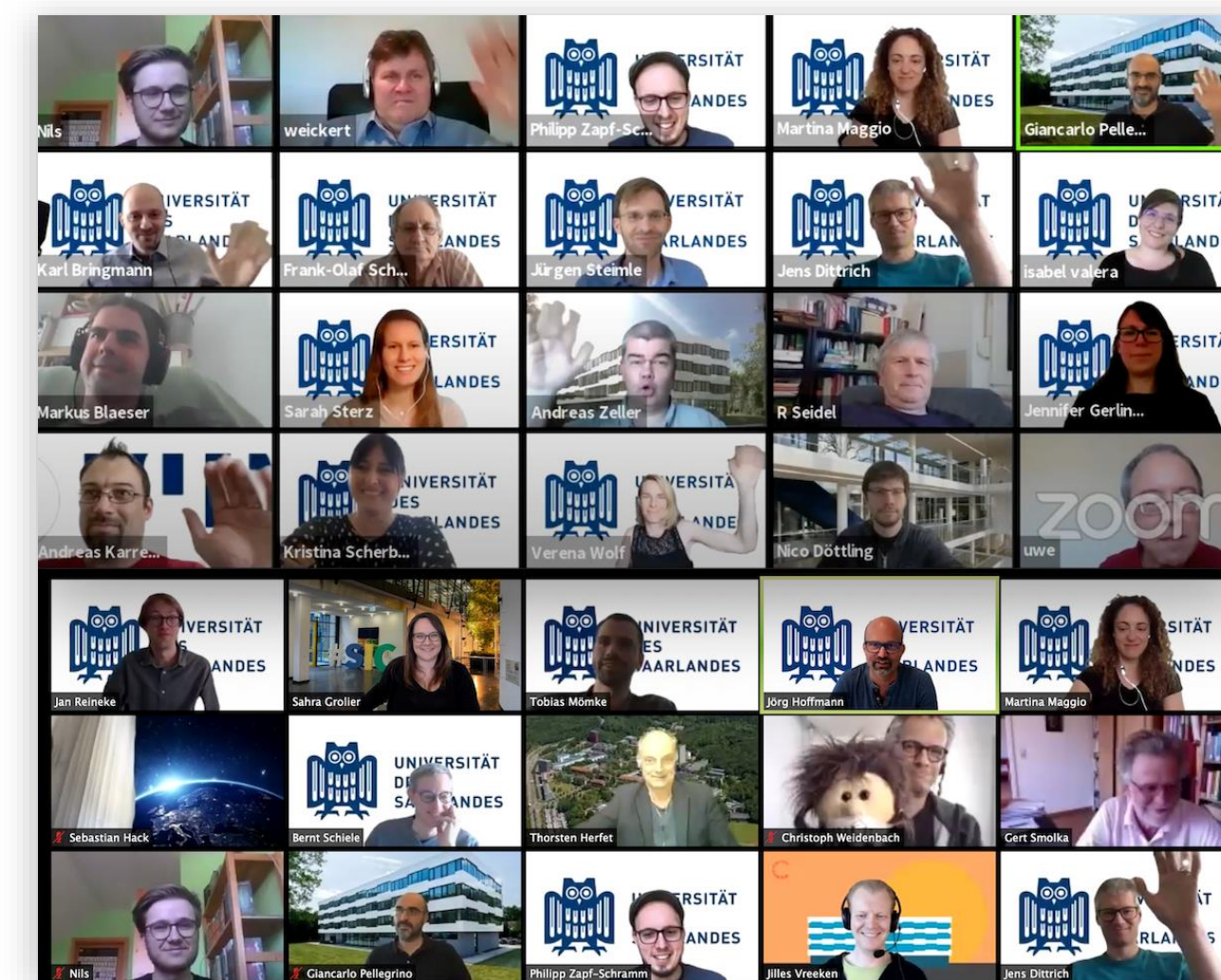
Administration and processing of your programme achievements:  
Transcript of record, registration master thesis, official certificates, recognition of external  
academic achievements, etc.

Building E1.3, room 202

**Office hours:** [information on website](#)

**Emails to:** [cs@ps-mint.uni-saarland.de](mailto:cs@ps-mint.uni-saarland.de)

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



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