

saarland-informatics-campus.de

# Saarland Informatics Campus

Welcome for Master Students  
in Computer Science

Prof. Vera Demberg and Prof. Martina Maggio  
Dean of Studies and former Dean of Studies, 10.10.2024



UNIVERSITÄT  
DES  
SAARLANDES

**SIC** Saarland Informatics  
Campus

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WELCOME

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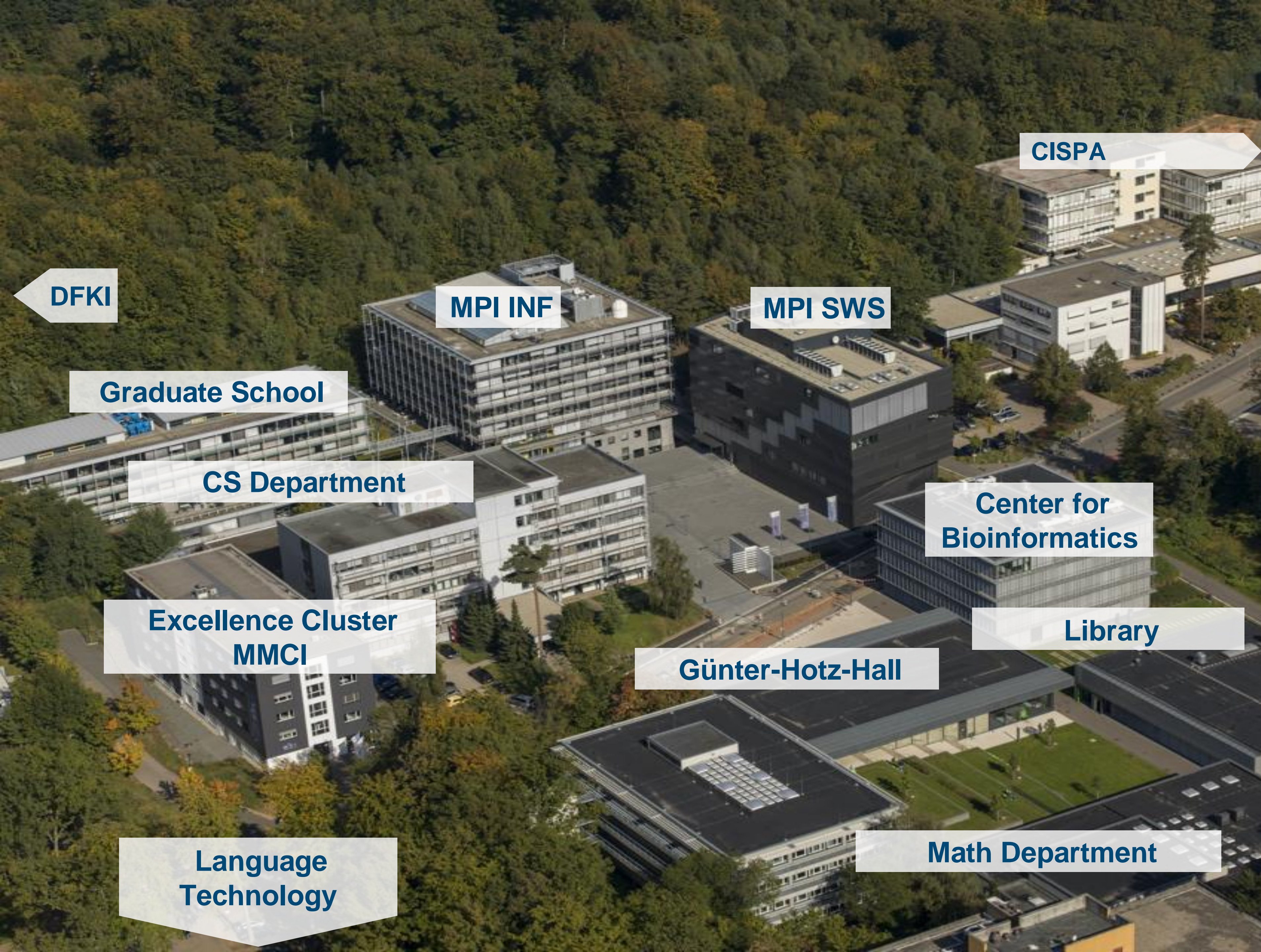
## Welcome at SIC



**Click:**

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





DFKI

Graduate School

CS Department

Excellence Cluster  
MMCI

Language  
Technology

MPI INF

MPI SWS

CISPA

Center for  
Bioinformatics

Günter-Hotz-Hall

Library

Math Department



UNIVERSITÄT  
DES  
SAARLANDES



CBI CENTER FOR  
BIOINFORMATICS



CLUSTER OF EXCELLENCE



CISPA  
HELMHOLTZ CENTER FOR  
INFORMATION SECURITY



max planck institut  
informatik



MAX PLANCK INSTITUTE  
FOR SOFTWARE SYSTEMS



## About us

- **4 informatics institutes** and **3 collaborating departments** on campus
- **2k+ students** from **80+ countries**
- ~ **75 research groups**, 500+ doctoral candidates
- ~ **800 scientists** at Saarland Informatics Campus
- 24 informatics study programs, **16 research fields**
- **6 Konrad Zuse Medals**  
**38 ERC Grants**  
**7 Leibniz Awards**



**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, Sairstahl, 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**



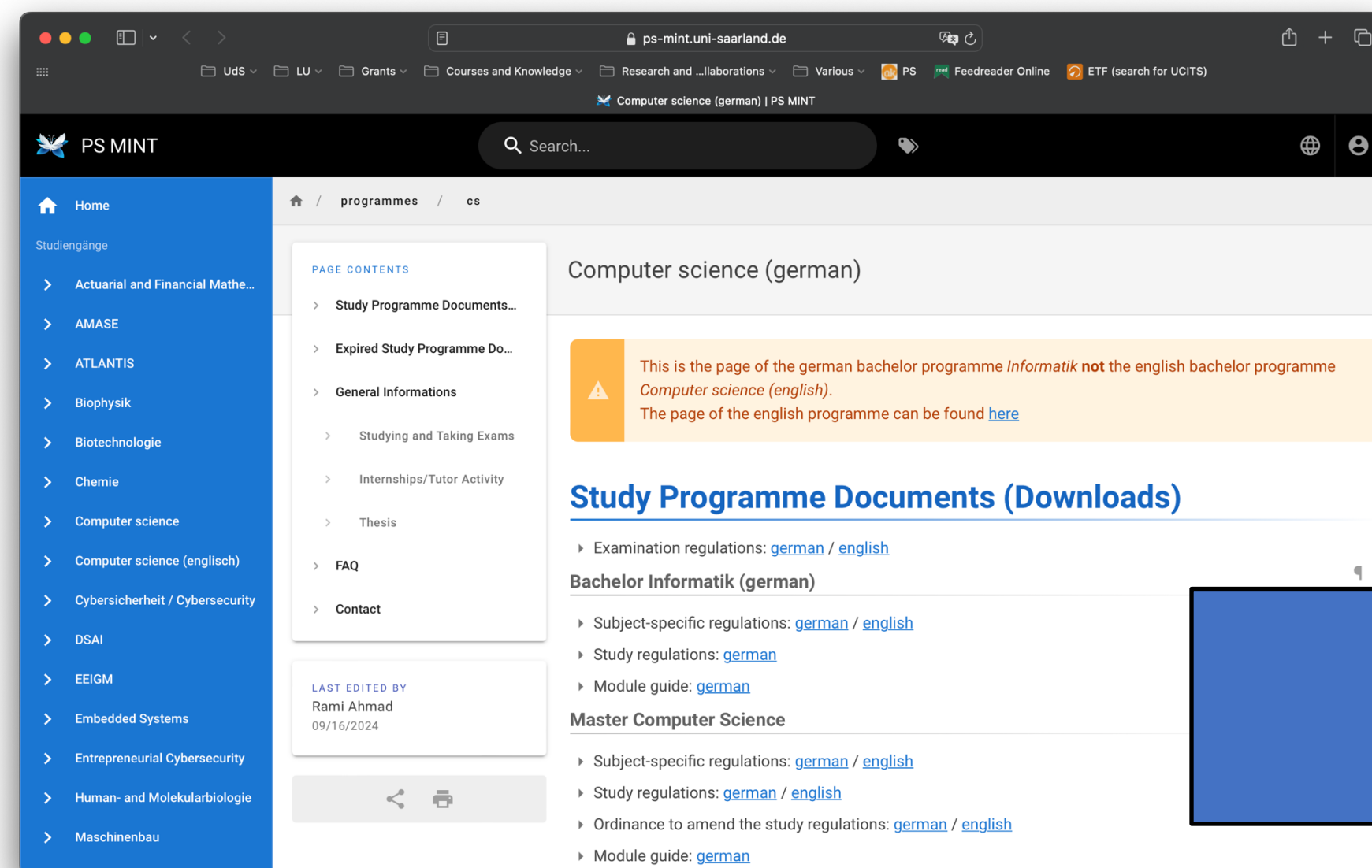
# Study Regulations 2015 for Master of Computer Science

*Read your study documents carefully!*

Examination regulations, subject-specific regulations and study regulations:

<https://www.ps-mint.uni-saarland.de/en/programmes/cs>

You should know your rights and duties as student!



## Study Regulations for the Master's Degree Programme in Computer Science at Saarland University

2 July 2015

Note: This translation is provided for information purposes only. In the event of any discrepancy between the translation and the original German version published in the Official Bulletin (*Dienstblatt der Hochschulen des Saarlandes*), the provisions of the latter shall take precedence.

Pursuant to Section 54 of the Saarland University Act of 23 June 2004 (Official Gazette of Saarland, p. 1782) as amended by the Act of 14 October 2014 (Official Gazette, p. 406) and pursuant to the Joint Examination Regulations for the Bachelor's and Master's Degree Programmes of Faculty 6 (Natural Science and Technology Faculty I – Mathematics and Computer Science) of 2 July 2015 (Official Bulletin No. 72, p. 616) and with the consent of the University Senate at Saarland University, Faculty 6 (Natural Science and Technology Faculty I – Mathematics and Computer Science) at Saarland University hereby issues the following Study Regulations for the Master's Degree Programme in Computer Science.

### Section 1 Scope

These study regulations, which govern the contents and structure of the Master's degree programme in Computer Science, are based on the Joint Examination Regulations for the Bachelor's and Master's degree programmes within the Faculty of Mathematics and Computer Science (Official Bulletin No. 72, p. 616) and the subject-specific annex pertaining to the Bachelor's and Master's degree programmes in Computer Science of 2 July 2015 (Official Bulletin No. 73, p. 642). The Faculty of Mathematics and Computer Science is responsible for organizing the teaching, study and examinations relating to these programmes.

### Section 2 Objectives of the degree programme and career relevance

The expanded, consecutive, research-focused Master's degree programme is to build on the knowledge acquired in the preceding Bachelor's degree programme and to prepare graduates for challenging national and international research and professional work in the field of computer science.

### Section 3 Start and duration of programme

The programme starts at the beginning of the winter or summer semester of the first year of study. The programme is organized such that the programme can be completed in four semesters (four periods of study).

## Study Regulations 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	Machine Learning	Computational Logic
Computer Graphics	Embedded Systems	Cryptography
Data Base Systems	Security	
Software Engineering	Digital Transmission, Signal Processing	
Image Processing an Computer Vision		
Human Computer Interaction	Verification	



YOUR STUDIES

## 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&root120231=342429%7C351915%7C352746&P.vx=kurz&noDBAction=y&init=y>

The screenshot shows the LSF course catalogue interface. At the top, there is a navigation bar with links for Home, Login, current semester (highlighted with a red circle), 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 tree of courses:

- **Vorlesungsverzeichnis**
  - **Mathematics and Computer Science**
    - **Computer Science**
      - **Courses on Computer Science**
        - **Basic Lectures**
        - **Core Lectures** (highlighted with a red circle)
        - **Advanced Lectures**
        - **Introductory seminars**
        - **Seminars**
        - **Freely chosen points (elective courses) (Soft Skills/Language/Lab)**

Two red arrows point from the text "Basic Lectures and Introductory Seminars can only be taken by bachelor students" to the "Basic Lectures" and "Introductory seminars" items in the tree.



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	Raumplan	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.

An examination that was awarded a fail grade may be **repeated twice**.

**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-Brünen

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:** please book an online or on-site appointment: <https://www.uni-saarland.de/en/departement/departement-of-computer-science/departement.html>

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

### Examination office: Bianca Fauß and Jacqueline Pennekamp

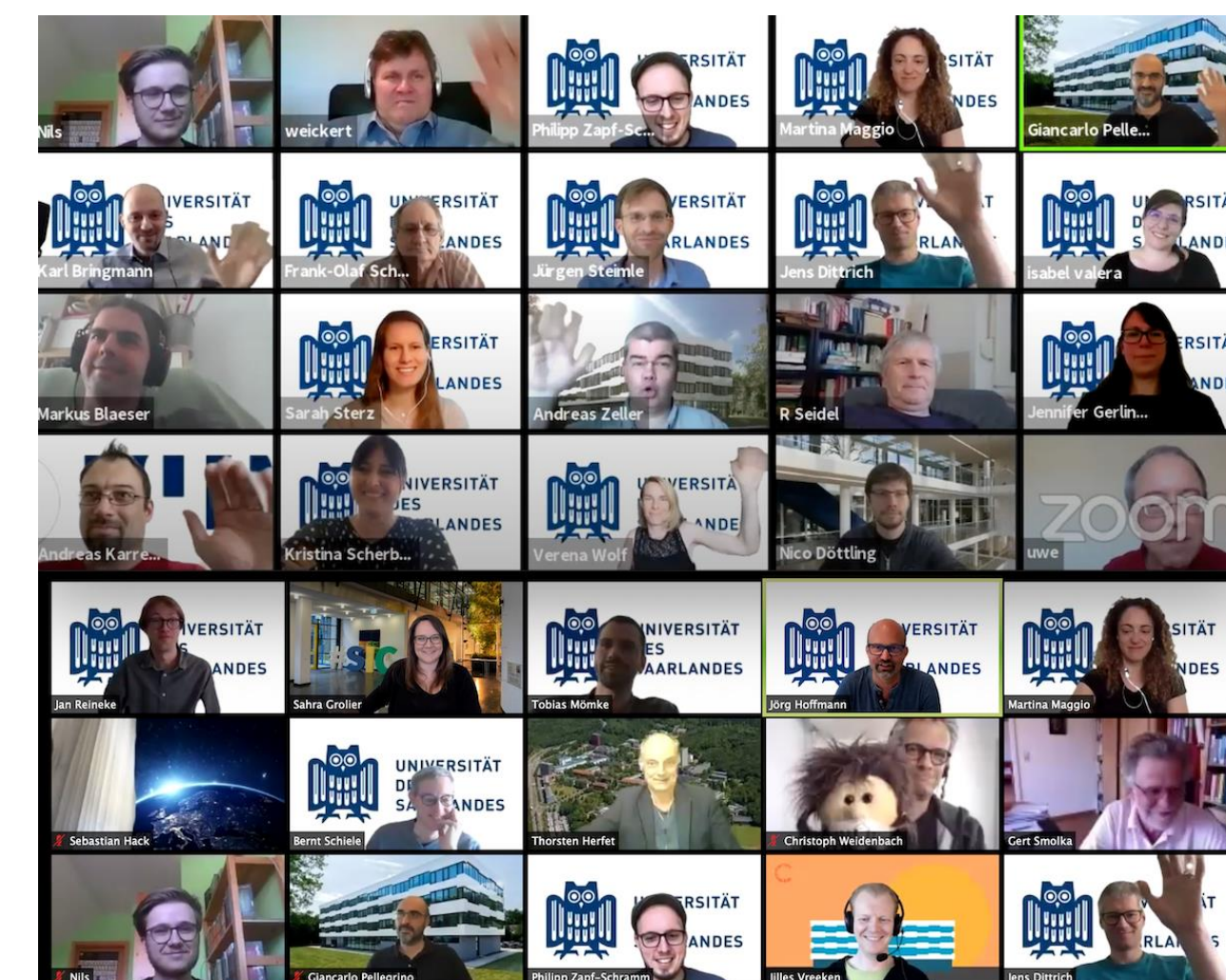
Administration and processing of your programme achievements:  
Transcript of record, registration master thesis, official certificates, recognition of external  
academic achievements, etc.

Building E1.3, room 202

**Office hours:** Mondays, Tuesdays and Thursdays, 9.30 -11.00 a.m. (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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Enjoy your studies!  
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