Saarland Informatics Campus
Welcome for Master Students in Computer Science
Prof. Martina Maggio, Vice Dean of Studies, 23.10.2023
Welcome at SIC

Click:
https://saarland-informatics-campus.de/en/
About us

• 4 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, 28 ERC Grants, 7 Leibniz Awards

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 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](#) 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 BSc and MSc Informatik/Computer Science

- In total: 354 bachelor students and 395 master students in Computer Science
- Students from around 80 different countries in the CS department
- 61 professors and co-opted professors
- As well as 45 junior research groups

https://saarland-informatics-campus.de/ueberuns-aboutus/
Study Regulations for Master of Computer Science - current version from 2015

Read your study documents carefully!
Examination regulations, subject-specific regulations and study regulations:


You have to know your rights and duties as student!
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
**Example Course List: All our core courses (offered at least every two years)**

<table>
<thead>
<tr>
<th>Algorithms and Data Structures</th>
<th>Data Networks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artificial Intelligence</td>
<td>Operating Systems</td>
</tr>
<tr>
<td>Automated Reasoning</td>
<td>Semantics</td>
</tr>
<tr>
<td>Compiler Construction</td>
<td>Complexity Theory</td>
</tr>
<tr>
<td>Computer Algebra</td>
<td>Optimization</td>
</tr>
<tr>
<td>Computer Graphics</td>
<td>Machine Learning</td>
</tr>
<tr>
<td>Embedded Systems</td>
<td>Computational Logic</td>
</tr>
<tr>
<td>Data Base Systems</td>
<td>Security</td>
</tr>
<tr>
<td>Software Engineering</td>
<td>Digital Transmission, Signal Processing</td>
</tr>
<tr>
<td>Image Processing an Computer Vision</td>
<td>Verification</td>
</tr>
<tr>
<td>Human Computer Interaction</td>
<td></td>
</tr>
</tbody>
</table>
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&noDBAction=y&init=y

Basic Lectures and Introductory Seminars can only be taken by bachelor students.
## Course list (Core lectures)

### How to choose a lecture – example: ICL

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

<table>
<thead>
<tr>
<th>Lecture No.</th>
<th>Lecture Description</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>122116</td>
<td>Artificial Intelligence - Hoffmann, Koehler</td>
<td>Lecture / Exercise/problem-solving class</td>
</tr>
<tr>
<td>123525</td>
<td>Cryptography - Dittrich</td>
<td>Lecture / Exercise/problem-solving class</td>
</tr>
<tr>
<td>123526</td>
<td>Introduction to Computational Logic - Smolka</td>
<td>Lecture / Exercise/problem-solving class</td>
</tr>
<tr>
<td>123531</td>
<td>Optimization - Jarvenpaa</td>
<td>Lecture / Exercise/problem-solving class</td>
</tr>
<tr>
<td>123532</td>
<td>Embedded Systems</td>
<td>Lecture / Exercise/problem-solving class</td>
</tr>
<tr>
<td>123537</td>
<td>Data Networks - Feldmann</td>
<td>Lecture / Exercise/problem-solving class</td>
</tr>
<tr>
<td>123678</td>
<td>Image Processing and Computer Vision - Weckert, Mitarbeiter des Lehrstuhls</td>
<td>Lecture / Exercise/problem-solving class</td>
</tr>
</tbody>
</table>

**Example!**
## Example master’s program Computer Science

<table>
<thead>
<tr>
<th>Sem.</th>
<th>Course</th>
<th>Course</th>
<th>Advanced course</th>
<th>Language course</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Core course</td>
<td>Core course</td>
<td>Advanced course</td>
<td>Language course</td>
</tr>
<tr>
<td>2</td>
<td>Core course</td>
<td>Core or advanced course</td>
<td>Seminar</td>
<td>Advanced course</td>
</tr>
<tr>
<td>3</td>
<td>Masterseminar 12 CP</td>
<td>Seminar</td>
<td>Advanced course</td>
<td>Advanced course</td>
</tr>
<tr>
<td>4</td>
<td>Thesis 30 CP</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Progress monitoring

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.

(in a regular semester a student should earn around 30 CP)
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 (i.e. three attempts in total).

For seminars: shortened registration/withdrawal period in LSF: only possible up to three weeks after getting the topic for presentation.

Seminar registration: https://seminars.cs.uni-saarland.de/
(limited number of participants)

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. (please book an online appointment via MS Teams): [https://www.uni-saarland.de/en/department/department-of-computer-science/department.html](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/](https://it.cs.uni-saarland.de/)
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