Saarland Informatics Campus

Welcome for Master Students in Computer Science

Prof. Jan Reineke, Dean of Studies, 13.10.2021
Welcome at SIC

Click:
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, 24 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: 424 bachelor students and
  422 master students in Computer Science
• Students from around 80 different countries in the CS department
• 54 professors and co-opted professors
• As well as 37 junior research groups
Winterterm 2021/2022

• On October 18, Saarland University is starting lectures for the winter semester 2021/22.

• Re-introducing face-to-face mode; courses on master’s level will (also) be available online. Exams will take place on site.

• You are only allowed to attend offline events in person, if you can either prove you are fully vaccinated, have received a negative COVID-19 test result (twice per week) or have recovered from an infection with COVID-19 (‘3G’ status)

• When entering a teaching room, you have to register via the Staysio App: https://staysio.de/#/.

• If it is not possible to maintain the minimum physical distance of 1.5 metres to each other, you are required to wear a medical face mask.

• Information about courses and tutorials is provided on the webpages of the lecturers and also the LSF.

You can also get vaccinated for free via a mobile vaccination team who will be on our Saarbrücken Campus from 11 to 22 October (Monday to Friday, 9am to 4pm)

Further Information:
https://saarland-informatics-campus.de/en/semesterinfo/
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!
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)

<table>
<thead>
<tr>
<th>Algorithms and Data Structures</th>
<th>Data Networks</th>
<th>Artificial Intelligence</th>
<th>Operating Systems</th>
<th>Semantics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automated Reasoning</td>
<td>Distributed Systems</td>
<td>Compiler Construction</td>
<td>Complexity Theory</td>
<td>Optimization</td>
</tr>
<tr>
<td>Embedded Systems</td>
<td>Cryptography</td>
<td>Information Retrieval and Data Mining</td>
<td>Data Base Systems</td>
<td></td>
</tr>
<tr>
<td>Software Engineering</td>
<td>Telecommunications</td>
<td>Image Processing an Computer Vision</td>
<td>Verification</td>
<td></td>
</tr>
<tr>
<td>Human Computer Interaction</td>
<td>Geometric Modelling</td>
<td>Computational Logic</td>
<td>Security</td>
<td></td>
</tr>
</tbody>
</table>
How to choose a lecture – example: core lecture

Faculty Mathematics and Computer Science

Courses on Computer Science

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

<table>
<thead>
<tr>
<th>Lecture No.</th>
<th>Lecture</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 - Dölling</td>
<td>Lecture / Exercise/problem-solving class</td>
</tr>
<tr>
<td>123526</td>
<td>Introduction to Computational Logic - Sölken</td>
<td>Lecture / Exercise/problem-solving class</td>
</tr>
<tr>
<td>123531</td>
<td>Optimization - Krennbauer</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 - Weisker, Mitarbeiter des Lehrstuhls</td>
<td>Lecture / Exercise/problem-solving class</td>
</tr>
</tbody>
</table>

Example:

Please follow the instructions given on the webpage and/or join the first lecture.
## Example master’s program Computer Science

### Course

<table>
<thead>
<tr>
<th>Sem.</th>
<th>Course</th>
<th>Core course</th>
<th>Core 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>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Core course</td>
<td>Core or advanced course</td>
<td>Seminar</td>
<td>Advanced course</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Masterseminar 12 CP</td>
<td>Seminar</td>
<td>Advanced course</td>
<td>Advanced course</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Thesis 30 CP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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. (online via MS Teams)
Emails to: studium@cs.uni-saarland.de

Examination office: Bianca Schaum
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. (further 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!

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@Saarland_Informatics_Campus

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Saarland Informatics Campus #SIC

Follow us on Twitter
@SIC_Saar
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saarland-informatics-campus.de