Saarland Informatics Campus

Welcome for Master Students in Computer Science

Prof. Martina Maggio, Vice Dean of Studies, 11.04.2024
Welcome at SIC

Click: https://saarland-informatics-campus.de/en/
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 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>
</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>
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<tr>
<td>Computer Algebra</td>
<td>Optimization</td>
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<tr>
<td>Computer Graphics</td>
<td>Cryptography</td>
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<tr>
<td>Computer Architecture</td>
<td>Data Base Systems</td>
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<tr>
<td>Information Retrieval and Data Mining</td>
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<tr>
<td>Software Engineering</td>
<td>Telecommunications</td>
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<tr>
<td>Image Processing and Computer Vision</td>
<td>Verification</td>
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<tr>
<td>Human Computer Interaction</td>
<td>Geometric Modelling</td>
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<tr>
<td>Computational Logic</td>
<td>Security</td>
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</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

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.
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>
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</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. (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!

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