Saarland Informatics Campus

Welcome for Master Students in Embedded Systems

Prof. Dr. Jan Reineke, October 23, 2023
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, 28 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
Study Regulations for Master of Embedded Systems

*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 programme documents**

- [Examination regulations](#)
- [Examination regulations (english)](#)
- [Subject-specific + study regulations](#)
- [Subject-specific + study regulations (english)](#)
YOUR STUDIES

Study Regulations 2016 for Master’s programme Embedded Systems

1. 27 - 31 graded credits in the category of core lectures in embedded systems

2. 27 - 31 graded credits in the categories of core lectures, advanced lectures, or seminars in embedded systems (here: at most 1 seminar!)

3. 7 graded credits in the category of seminars in embedded systems

4. At least 17 ungraded credits must be acquired by:
   - Further core, advanced courses, or seminars in embedded systems
   - 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 or business informatics)

5. 12 graded credits for the Master's seminar and 30 CP for the Master's thesis

Sum = 120 credits in total.
Course catalogue (LSF)

How to choose a lecture – example: core lecture

Faculty Mathematics and Computer Science          Courses on Embedded Systems          Master

https://www.lsf.uni-saarland.de/qisserver/rds?
state=wtree&search=1&trex=step&root120232=356732%7C363531%7C357901%7C363229&P.vx=kurz&noDBAction=y&init=y

Bachelor ES: Basic Lectures and Introductory Seminars can only be taken by bachelor students
Course list (Core lectures)

How to choose a lecture – example: Verification

Please follow the instructions given on the webpage and/or join the first lecture.
## Example master’s programme Embedded Systems

<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>
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<tr>
<td>2</td>
<td>Core course</td>
<td>Core or advanced course</td>
<td>Seminar</td>
<td>Advanced course</td>
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<tr>
<td>3</td>
<td>Masterseminar</td>
<td>Seminar</td>
<td>Advanced course</td>
<td>Advanced course</td>
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<tr>
<td></td>
<td>12 CP</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>4</td>
<td>Thesis</td>
<td>30 CP</td>
<td></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 also have 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/](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 (1/2)

Computer Science Students’ Representative Council
Students of different study programmes
E1.3, Raum 107
https://cs.fs.uni-saarland.de/en/

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

Emails to: studium@cs.uni-saarland.de
Contacts (2/2)

**Examination office:**  
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: contact person according to degree programme  
[https://www.ps-mint.uni-saarland.de/de/programmes/es](https://www.ps-mint.uni-saarland.de/de/programmes/es)

**SIC System Administration:** [https://it.cs.uni-saarland.de/](https://it.cs.uni-saarland.de/)
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