Welcome to Saarland Informatics Campus!

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At a Glance

- ~ 900 scientists at SIC
- 56 professors (29 dept)
- 31 junior research group leaders
- Currently 3 SFBs (collaborative research centers)
- 40 ERC Grants, 7 Leibniz awards, 6 Konrad Zuse Medals
- 9 ACM fellows, 2 IEEE fellows, 2 AAAI fellows
- 2.800 students in 24 programs from over 80 nations, ~ 400 PhD students

Study Plan Computer Science

1	Mathematics for Computer Scientists 1 (9 CP)	Programming 1 (9 CP)	Lecture Series on "Perspectives in Computer Science" (2 CP)	Language Course (6 CP)	26
2	Mathematics for Computer Scientists 2 (9 CP)	Programming 2 (9 CP)	System Architecture (9 CP)	Mandatory elective (e.g., Language course, 3 CP)	30
	offered during the break between summer and winter term: "Software Engineering Lab" (9 CP)				9
3	Mathematics for Computer Scientists 3 (9 CP)	Introduction to Theoretical Computer Science (9 CP)	Fundamentals of Data Structures and Algorithms (6 CP)	Introductory Seminars (5 CP)	29
4	Big Data Engineering (6 CP)	Concurrent Programming (6 CP)	Core Lecture (9 CP)	Seminar (7 CP)	28
5	Elements of ML (6 CP)	Core Lecture (9 CP)	Core / Advanced Lecture (9 CP)	Mandatory elective (e.g., Tutoring, 4 CP)	28
6	Core / Advanced Lecture (9 CP)	Bachelor's Seminar (9 CP)	Bachelor's Thesis (12 CP)		30

Core Courses

- Algorithms and Data Structures
- Data Networks
- Artificial Intelligence
- Operating Systems
- Semantics
- Automated Reasoning
- Distributed Systems
- Compiler Construction
- Complexity Theory
- Optimization
- Computer Algebra
- Computer Architecture Machine Learning
- Computer Graphics

- Embedded Systems
- Cryptography
- Information Retrieval and Data Mining
- Data Base Systems
- Software Engineering
- Telecommunications
- Image Processing an Computer Vision Verification
- Human Computer Interaction
- Geometric Modelling
- Computational Logic
- Security

Study Plan Cybersecurity

← Semester				CP →
1	Programming 1 (9 CP)	Mathematics for Computer Scientists 1 (9 CP)	Foundations of Cyber Security 1 (9 CP)	Mandatory Elective (e.g., Introduction to Python, 3 CP)	30
2	Programming 2 (9 CP)	Mathematics for Computer Scientists 2 (9 CP)	Foundations of Cyber Security 2 (6 CP)	Language Course (6 CP)	30
3	Cyber Security Lab (6 CP)	Introduction to Theoretical Computer Science (9 CP)	Fundamentals of Data Structures and Algorithms (6 CP)	Cyber Security Proseminar (5 CP)	26
4	Cryptography (9 CP)	System Architecture (9 CP)	Cyber Security Complementary Lecture (6 CP)	Statistics Lab (6 CP)	30
	"Software Engineering Lab" (9 CP) offered during the break between summer and winter term				9
5	Advanced Lecture Cyber Security (6 CP)	Elements of Machine Learning (6 CP)	Cyber Security Complementary Lecture (6 CP)	Cyber Security Seminar (7 CP)	25
6	Advanced Lecture Cyber Security (6 CP)	Bachelor's Thesis (12 CP)	Bachelor's Seminar (9 CP)	Mandatory Elective (e.g., language course, 3 CP)	30