

Universität Stuttgart

Faculty 5: Computer Science, Electrical Engineering
and Information Technology



**Info Session
for M.Sc. Program**

Computer Science

September 19, 2023

Speakers



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M.A.

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Department



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Student M.Sc. Computer
Science (3rd semester)

Agenda

The University of Stuttgart and the M.Sc. Computer Science – an Introduction

Support for International Students at the University of Stuttgart

From a Student's Point of View

Q&A

Why coming to the German Southwest?



STUTT GART

- High quality of academia and research
- Strong economic region with numerous global players and hidden champions (sme's)
- Close link to industry (one of the highest Industry investment in R&D in Europe)
- 11% of population of Baden-Württemberg is international
- High standard of living (cultural offers, outdoor activities, safety...)



➤ Find out more about [our region...](#)

**Why the University of Stuttgart
is an excellent choice!**

University of Stuttgart

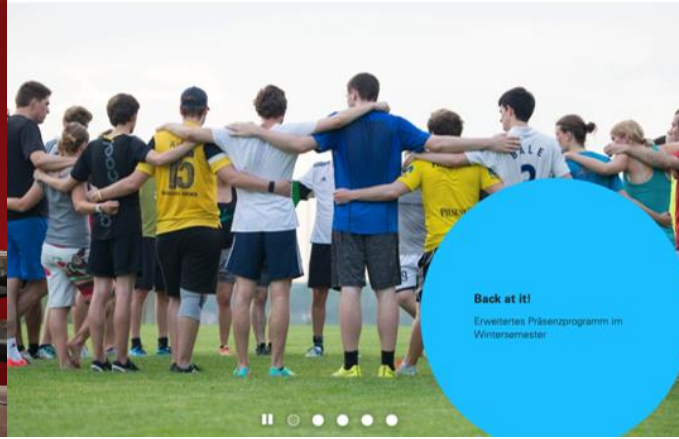
- The “*Stuttgart Way*“: Technology-oriented – Globally connected – Interdisciplinary – Innovative
- Around 21.000 students (5.300 internationals)
- 10 faculties
- More than 500 partner universities worldwide
- Alliance of German Universities of Technology (TU9)
- Cooperation with a large number of external research institutions & industry partners
- Awards & Rankings



Awards & Rankings

- Top 200 Universities Worldwide (THE Reputation Ranking)
- World-renowned disciplines: top 125 engineering, top 175 computer, top 175 life, top 300 humanities, top 400 natural sciences (THE Ranking)
- 4 study programs in top 150 universities worldwide (Shanghai Ranking -GRAS)
- Very good results in the CHE Master Ranking, U-Multirank and QS World University Ranking

Leisure activities and opportunities for students to get involved...



**Introduction to the
M.Sc.
Computer Science**

Structure M.Sc. Computer Science

| Term | Compulsory | | Breadth | | Core | | | Extended | | Sum | |
|------|--|---|---------------------------|---|----------------|---|----------------|----------|----------------------------|-----|----|
| 1 | Theoretical and Methodological Foundations (Profile) | 6 | Catalog Breadth (Profile) | 6 | Core (Profile) | 6 | Core (Profile) | 6 | Catalog Extended (Profile) | 6 | 30 |
| 2 | Seminar | 3 | Catalog Breadth (Profile) | 6 | Core (Profile) | 6 | Core (Profile) | 6 | Catalog Extended (Profile) | 6 | 30 |
| | Key Qualifications (SQ) | 3 | | | | | | | | | |
| 3 | Options: Elective Catalog, Research Project, Lab course(s) / Practical course(s), Studies Abroad | | | | | | | | | 30 | 30 |
| 4 | Master Thesis | | | | | | | | | 30 | 30 |

Legend

6 ECTS typically are 3L + 1E or 2L + 2E. 3 ECTS typically are 2L or 2HS

Profiles in M.Sc. Computer Science

- Autonomous Systems in Computer Science (AUT)
 - combines courses in machine learning, artificial intelligence, decision making and robotics with sensors & actuators, hardware & software systems as well as parallel and distributed computing resources
- Service Technology and Engineering (STE)
 - provides the scientific and technological foundations of services
 - trains people in the design and maintenance of service-oriented platforms and solutions
 - targets application domains such as mobility, communication, and product & production design.
- Visual Computing (VC)
 - covers the entire visual computing pipeline
 - various lectures in the field of video processing, computer graphics, visualization, human machine interaction, and optimization

Computer Science Department

- Founded in 1970, we now belong to the Faculty 5 of Computer Science, Electrical Engineering and Information Technology
- **30 Professors + 4 Junior Professors** work in **9 institutes** covering all research areas in the field of Computer Science
- We are a **partner in the Excellence Cluster of Simulation Technology**, in the **Graduate School advanced Manufacturing Engineering** and in several research networks of the university.
- **Cooperations** with non-university research institutions, neighboring universities as well as industrial cooperation characterize our profile.





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Vielen Dank! Thank you!



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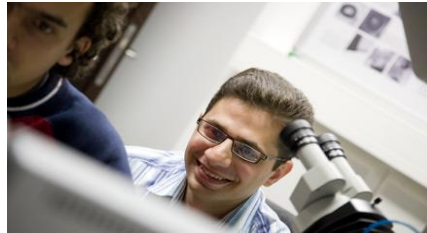
Challenges and opportunities of University Studies



High degree of self-reliance



Large range of electives



Early integration in research

Studies abroad



...and many more

**Support for
international students
at the University of
Stuttgart**

We are here to help you!

INTERNATIONAL OFFICE

- [Central point of contact for international students](#)

Offers a wide range of services and support for international students, e.g.:

Before arrival

- [Helpful information](#) such as Checklists, How to-Videos, Presentations, etc.
- [\(Online\) Pre-departure sessions](#)
- [Online Introductory Course “Get your studies off to a perfect start”](#) with tips & tricks for new international students

After arrival

- [Buddy Program “ready.study.stuttgart” \(arrival support\)](#)
- [Orientation Program](#)
- [Intercultural Mentoring Program](#)



INTERNATIONAL SERVICE POINT F05

- First point of contact for (prospective) international students interested in / enrolled at *Faculty 5: Computer Science, Electrical Engineering & Information Technology*
- Events & networking activities – in close cooperation with the International Office, Student representatives, etc.
- Stay informed! Important news on the [ISP-website](#) & [LinkedIn](#) (e.g. on events, German language courses, etc.) and mailings



Extensive support for international students at Faculty 5



Personal counseling & support before, during and after your studies by the International Service Point (ISP) of Faculty 5



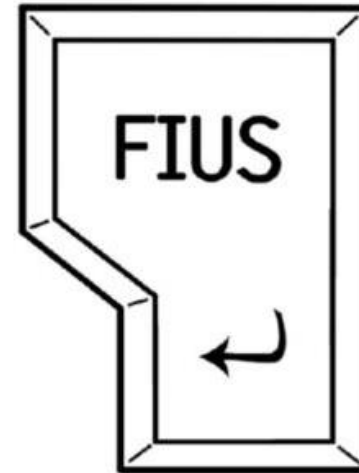
Guaranteed spots for study-related German language courses (DaF, German as foreign language) for enrolled international students (*for free!*)



Social activities such as semester opening, international days, career planning workshops, buddy/mentoring programs, company visits, welcome packages, and much more!

Computer Science Student Association FIUS

- **Association** of students studying at the Dept. of Computer Science at the Faculty 5.
- Tasks:
 - ✓ Representing student interests in university bodies, e.g. study commission, Faculty Council
 - ✓ Info-point for questions and support, e.g. providing exams and thesis examples of past terms; beginner's Java course, locker rental
 - ✓ Organization of events, e.g. freshmen weekend, games and barbecue evenings
 - ✓ **Support program for new international CS students**
- Great opportunity to meet other (German) students



- [Website student representatives of the department of computer science \(FIUS\)](#)

Upcoming events for M.Sc. Computer Science

Pre-Departure Session (organized by the university's International Office)

- February 2024 - for students starting their studies in April, 2024
- Information will be published on [IO's website](#) → [registration](#)

Guidance on Formalities (organized by the university's International Office)

- Info-session every two weeks, March/April 2024 → [Registration](#)

Orientation events for first-semester students, e.g. Living & Studying in Stuttgart for Newbies

- week before lecture start (April 8, 2024) → [more information](#)

Open Virtual Q&A Session (organized by International Service Point Faculty 5)

- March 13, 2024, 11:00am-12:00 → Meeting room:
<https://unistuttgart.webex.com/meet/meta.geisbuesch>
- For newly enrolled students of English-conducted Master's programs of Faculty 5

Introductory Lecture for M.Sc. CS (online)

- April 2024, *to be confirmed*

From a student's point of view



Monika from India
3rd semester



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Vielen Dank!

Thank you!



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