

**Universität Stuttgart**

Faculty 5: Computer Science, Electrical Engineering  
and Information Technology



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

**Computer Science**

March 27, 2024

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# Speakers



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Coordinator of the  
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(ISP) of Faculty 5



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Department Manager &  
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the Computer Science  
Department



**Dr. Stefanie Anstein**

Student Advisor for M.Sc.  
Computer Science



**Mayukh Mitra**

Student M.Sc. Computer  
Science

# **Agenda**

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

**Support for Our International Students**

**From a Student's Point of View: Mayukh Mitra**

**Q&A**

# Why should you come to the German Southwest?



**STUTTGART**

- High quality of academia and research
- Strong economic region with numerous global players and hidden champions (sme's)
- Close link to industry
- 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: Technologically oriented – Interdisciplinary – Innovative
- Alliance of German Universities of Technology (TU9)
- Around 21.000 students (5.300 internationals)
- 10 faculties
- More than 500 partner universities worldwide
- Cooperation with a large number of external research institutions & industry partners

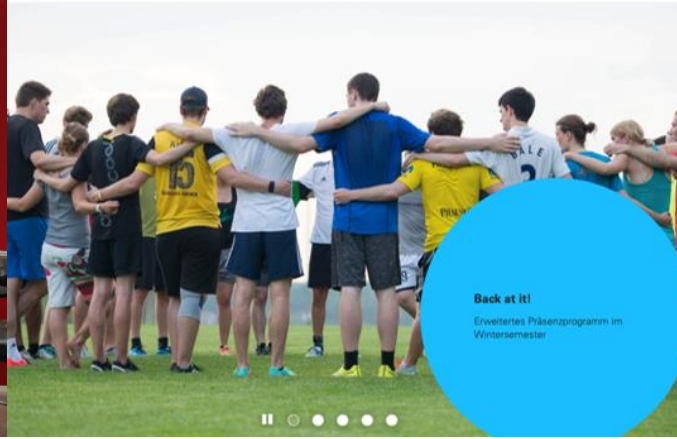


## Awards & Rankings

- 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.



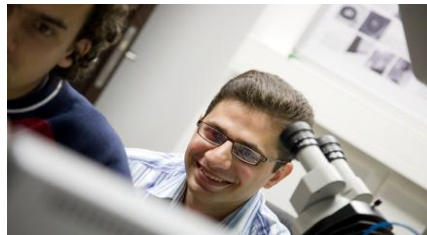
# Challenges and opportunities of University Studies



**High degree of self-reliance**



**Large range of electives**



**Early integration in research**

**Studies abroad**



**...and many more**



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**Vielen Dank! Thank you!**



**Dr. Katrin Schneider, Program Manager M.Sc. Computer Science**

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**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 [monthly mailing](#) for enrolled students



# 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



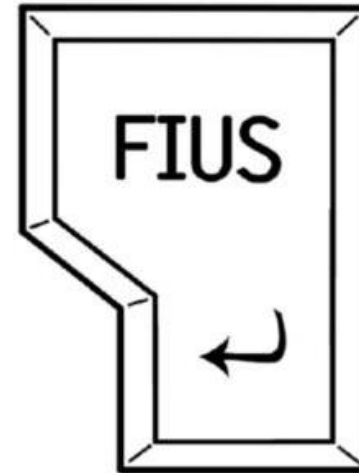
Guaranteed spots for study-related German language courses (DaF, German as foreign language) for enrolled international students (*for free!*)



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

## Introductory Lecture for M.Sc. Computer Science

- End of Sept/beginning of October 2024 – *to be confirmed*

## Orientation events (online) - organized by the university's International Office:

- **Pre-Departure Session & Get-Together**
- **Information Sessions “Guidance on Formalities“**
- **Studying & Living in Stuttgart for Newbies**
  - When? September *tbc* → dates will be announced during summer on the website below
  - Remember to register!
- **Information Session “Study Financing”**
  - When? Nov./Dec. *tbc*



**Information on these events and further pre-departure related support:**

<https://www.student.uni-stuttgart.de/en/startingout/international/orientation-days/>





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**Vielen Dank!**

**Thank you!**



**Meta Geisbüsch**

[Follow Meta](#)  
on LinkedIn

## **International Service Point (ISP) | Faculty 5**

E-Mail: [internationalstudents@f05.uni-stuttgart.de](mailto:internationalstudents@f05.uni-stuttgart.de)

Website: <https://www.f05.uni-stuttgart.de/en/faculty/international-students/>

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