



Universität Stuttgart

Faculty 5: Computer Science, Electrical Engineering
and Information Technology



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Info Session for M.Sc. Program

Computer Science

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Speakers



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(ISP) of Faculty 5



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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?



STUTT GART

- 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

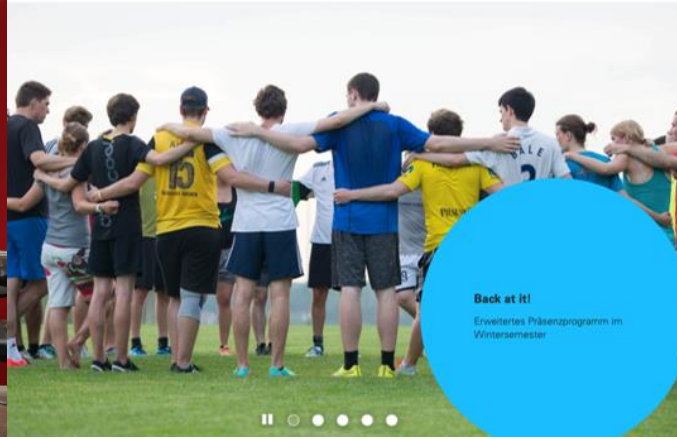


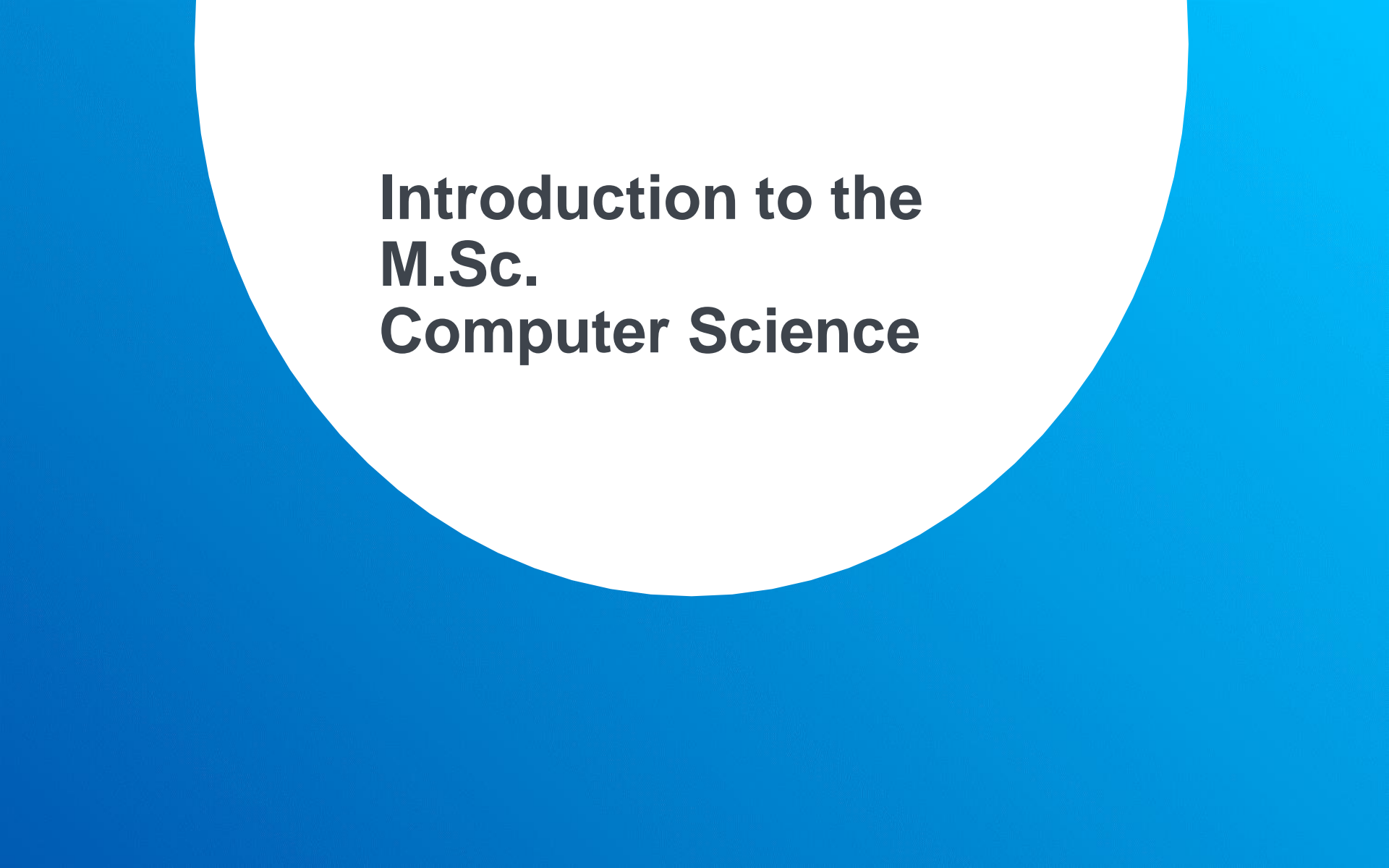
Awards & Rankings

- 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...



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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!



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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



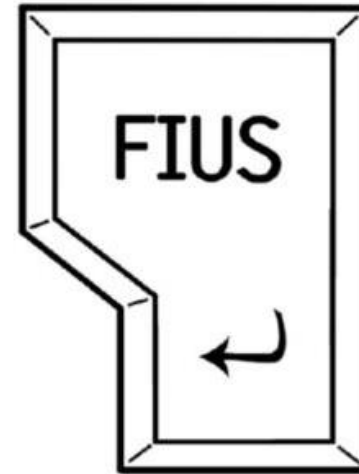
Guaranteed spots for study-related German language courses (DaF, German as foreign language) for enrolled international students (*for free!*)



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](#)
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