University of Stuttgart
Faculty 5: Computer Science, Electrical Engineering and Information Technology

Information session

M.Sc. Computational Linguistics

February 13, 2025

Speakers

Meta Geisbüsch
(host)

Coordinator International Service Point (ISP) Faculty 5

Prof. Dr. Sebastian Padó

Chair of Theoretical Computational Linguistics

Managing Director of the Institute for Natural Language Processing (IMS)

Dr. Stefanie Anstein

Program Manager for M.Sc. Computational Linguistics

Francesca Carlon

Student M.Sc. Computational Linguistics

Agenda

Welcome by Study Dean Prof. Sebastian Padó

The University of Stuttgart and the M.Sc. Computational Linguistics:
An Introduction

Support for Our International Students

From a Student's Point of View: Francesca Carlon

Q&A

Welcome
by
Prof. Dr. Sebastian Padó

Why should you come to the German Southwest?

STUTTGART

There are many reasons to come to Stuttgart!

- High quality of academia and research

- Vibrant, international city with high standard of living (secure), yet close to nature, perfect for study, leisure & sport!

- Head offices & manufacturing sites of global players (e.g. Bosch, Daimler, Porsche & IBM)

- Leading in Europe in expenditure on R&D

- Baden-Württemberg & Stuttgart one of the most innovative regions in Europe

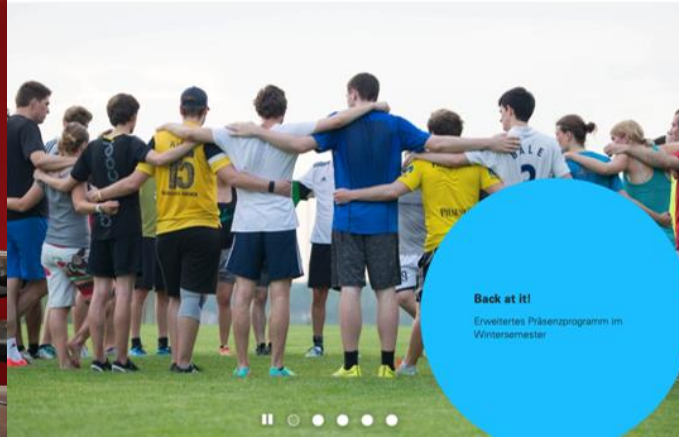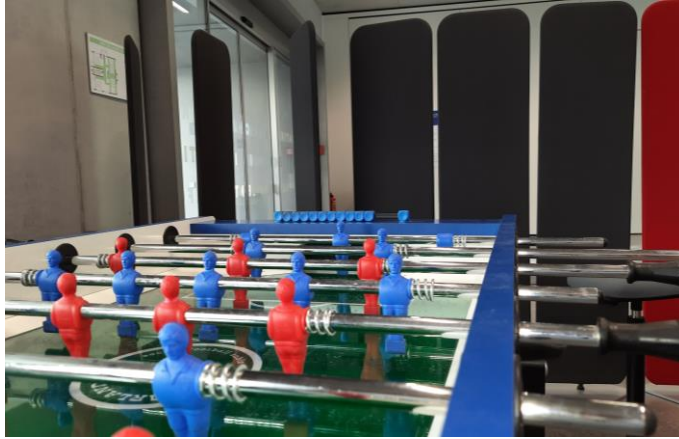# Why the University of Stuttgart is an excellent choice!

At a glance

- ~21.000 students at 10 faculties (~ 5.300 internationals)

- More than 500 partner universities worldwide

- Cooperation with a large number of external research institutions & industry partners

- Among the TOP 3 universities in Germany for third-party funding per professorship

Awards & Rankings

- One of the leading technical universities in Germany / worldwide (TU9 alliance): **2025 THE World University Ranking** by subject: **Engineering top 8%** & **Computer Science top 13%** worldwide!

- 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. Computational Linguistics

M.Sc. Computational Linguistics - Structure

recommendation for all students starting in winter term				
Semester	**Obligatory modules**	**Elective* modules**	**Other**	**ECTS Credit Points (CP)**
1 (WiSe)	**Methods in CL**** [8SWS*** 12CP] **Intro to DL for STP** [6SWS 9CP]	**Elective courses** worth ca. 9CP		30
2 (SuSe)	**CL Team Lab**° [4SWS 6CP]	**Elective courses** worth ca. 21CP	**Key competences**°° [2SWS 3CP]	30
3 (WiSe)	**CL Research Module**** [4SWS 9CP]	**Elective courses** worth ca. 21CP		30
4 (SuSe)	**Master's thesis** [30CP]			30
Color key:	IMS	IMS & Computer Science / Linguistics Departments	across UniS	

*) choose 1 of 3 subcatalogs from Electives/CompLing/ as primary catalog with min. 18 CP, the other 2 with min. 6 CP each

**) offered in winter semesters

***) 2 SWS/SH = 1,5h/week

°) offered in summer semesters

°°) also possible in semesters 3 or 4

M.Sc. Computational Linguistics - Areas of specialization

- Core Computational Linguistics

- Applied Natural Language Processing

- Speech Processing

Connection with industry

- R&D internship can count as 6 credits

- Master's thesis can be written in cooperation with industry

- Many job announcements are sent directly to the student mailing list

Institute for Natural Language Processing (IMS)

- Famous for research and industry projects

- Up-to-date equipment

- Embedded into large Computer Science department and connected to active Linguistics department

- Rather small (~50 colleagues and ~150 students) – Excellent student/lecturer ratio

→ https://www.ims.uni-stuttgart.de/en/

Challenges and opportunities during university studies

High degree of self-reliance

Studies abroad

Large range of electives

Early integration in research

…and many more

Support for our international students

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 on its <u>website</u>, e.g.

- <u>Overview: Step-by-step from acceptance letter to your first lecture</u>

- <u>Orientation and information offers for new international students</u> (e.g. online info sessions, guidance on formalities, pre-departure session, Welcome Day)

- Support programs for international students:
    - <u>Buddy Program "ready.study.stuttgart" (arrival support)</u>
    - <u>Intercultural Mentoring</u>
    - Peer Mentoring

FACULTY 5 - INTERNATIONAL SERVICE POINT

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 <u>ISP-website</u> & LinkedIn (e.g. on events, German language courses, etc.) and <u>monthly mailing</u> for Faculty 5 international 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 events, buddy/mentoring programs, welcome packages, and much more!

„Fachgruppe" / Student representatives Maschinelle Sprachverarbeitung / Computational Linguistics

- **Association** of all students studying B.Sc. NLP and M.Sc.Computational Linguistics at Faculty 5

- Tasks:
  - ✓ Representing student interests in both the study commission and the examination board;
  - ✓ Info-point for questions and problems, e.g. providing exams and thesis examples of past terms;
  - ✓ Organization of events: summer party & Christmas party, BBQ, pub crawls and Games Nights, etc.

- Great opportunity to meet other (German) students

- Website Student Representatives NLP & CL

- The student representatives of the department of computer science (FIUS) additionally provide support, such as a beginner's Java course, locker rental and a freshmen weekend

Fachgruppe
Maschinelle Sprachverarbeitung
Computational Linguistics

Upcoming events for students starting summer semester 2025

Introductory Lecture for M.Sc. Computational Linguistics	Join online: https://unistuttgart.webex.com/meet/stefanie.anstein	March 27, 2:30 pm CET
Orientation events - organized by the university's International Office: → *Registration will open next week:* https://www.student.uni-stuttgart.de/en/startingout/international/orientation-days/		
Pre-Departure Session	online	February 25, 3:30 pm CET
Formalities in a nutshell I: health insurance, enrollment, student ID	online	March 3, 2:00 pm
Formalities in a nutshell II: arrival, accommodation, public transport, radio tax	online	March 4, 2:00 pm CET
Formalities in a nutshell III: city registration, residence permit, bank account	online	March 6, 2:00 pm CET
FAQ - Formalities in a nutshell	online	March 18, 2:00 pm CET
Living in Stuttgart for Newbies (everyday-life in Germany, e.g. health care system, housing rules)	online	March 25, 3:30 pm CET
Studying in Stuttgart for Newbies (basics of academic life in Stuttgart, e.g. course registration)	online	March 27, 3:30 pm CET
Welcome Day at the university's International Office (IZ)	On site: IZ, Pfaffenwaldring 60, Campus Vaihingen	April 2, 11:00 am-3:00 pm

ISP | International Service Point

Vielen Dank!

Thank you!

International Service Point (ISP) | Faculty 5

E-Mail: internationalstudents@f05.uni-stuttgart.de
Website: https://www.f05.uni-stuttgart.de/en/faculty/international-students/

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Follow Meta
on LinkedIn

Laura Busch

Follow Laura
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From a student's point of view

Francesca from Italy