



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Computational Linguistics

University of Stuttgart • Stuttgart



Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none">English
Languages	The programme is entirely conducted in English (100%).
Full-time / part-time	<ul style="list-style-type: none">full-timepart-time (study alongside work)
Mode of study	Less than 50% online
Programme duration	4 semesters
Beginning	Winter and summer semester
Additional information on beginning, duration and mode of study	<p>The average duration is longer than four semesters, especially for students with non-CL (Computational Linguistics) backgrounds.</p> <p>Working students and students who are unable to study full time due to special conditions (e.g. childcare, care of relatives) have the option to study part time. The standard period of study can be extended up to a maximum of nine semesters.</p>
Application deadline	15 July for the following winter semester 15 January for the following summer semester
Tuition fees per semester in EUR	Varied
Additional information on tuition fees	<p>EU citizens do not pay tuition, whereas non-EU citizens pay a tuition of 1,500 EUR per semester.</p> <p>https://www.student.uni-stuttgart.de/en/organizing-studies/formalities/tuition-and-fees/index.html</p>
Combined Master's degree /	No

PhD programme

Joint degree / double degree programme No

Description/content

Dialogue systems, machine translation, search engines and much more – with your Master of Science degree in Computational Linguistics (CL), you can make your contribution to all these fascinating fields!

The programme is offered by the Institute for Natural Language Processing Stuttgart, which is located in Faculty 5: Computer Science, Electrical Engineering and Information Technology. It is intended for students from the fields of computational linguistics, computer science, general linguistics and related disciplines. Our programme provides an advanced education to students who wish to widen their knowledge of theories and applications relevant to the automatic processing of written and spoken language.

The programme starts with an intensive class that reviews the basics of computational linguistics. We offer three focus areas in the programme:

- (i) core computational linguistics,
- (ii) applied natural language processing and
- (iii) speech processing.

In a CL team laboratory in the second semester, students acquire practical skills for typical collaborative project situations. A CL research module in the third semester prepares students for writing their Master's theses.

In addition to the mentioned obligatory modules and the Master's thesis, the programme consists of a wide range of possible elective modules. These are offered by the Institute for Natural Language Processing and by the departments of Computer Science and Linguistics.

[FAQ regarding MSc Computational Linguistics and teaching at the IMS](#)

Course Details

Course organisation

Semester 1: Methods in Computational Linguistics, elective modules
Semester 2: CL team laboratory, elective modules
Semester 3: CL research seminar, elective modules
Semester 4: Master's thesis

[» PDF Download](#)

A Diploma supplement will be issued

Yes

International elements

- International guest lecturers
- Specialist literature in other languages
- Projects with partners in Germany and abroad

Description of other international elements

- Around 99% of the students in the programme have an **international background**.
- Our institutes collaborate with **numerous international (university) partners**. Guest lectures conducted by international professors and researchers are often integrated into the lectures.
- Furthermore, enrolled students have the possibility to go abroad with programmes such as **ERASMUS+** (especially in the third and fourth semesters, as there are no compulsory modules).

Integrated internships	There are no obligatory internships, but 6 ECTS credit points can be acquired for a voluntary internship.
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Course-specific, integrated German language courses	No
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Course-specific, integrated English language courses	No
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Online learning

Pace of course	Mixed (e.g. fixed exam dates and duration, study content can be studied at any time)
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Phase(s) of attendance in Germany (applies to the entire programme)	Yes, compulsory
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Types of online learning elements	<ul style="list-style-type: none"> • Access to databases with study material • Chats (with lecturers and other students) • Discussion forums and / or groups • Flipped Classroom • Online sessions • Online study material provided by institution • Online tutorials • Video learning (Pre-recorded videos, Vlogs, Video-Podcasts)
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Costs / Funding

Tuition fees per semester in EUR	Varied
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Additional information on tuition fees	<p>EU citizens do not pay tuition, whereas non-EU citizens pay a tuition of 1,500 EUR per semester.</p> <p>https://www.student.uni-stuttgart.de/en/organizing-studies/formalities/tuition-and-fees/index.html</p>
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Semester contribution	Approx. 200 EUR per semester
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Costs of living	Living expenses amount to about 940 EUR per month. You will have to demonstrate that you have sufficient finances to cover your living expenses for 12 months. EU citizens may apply for state-guaranteed loans during the time of enrolment. For more information, see the links on our websites.
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Funding opportunities within the university	Yes
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Description of the above-mentioned funding	Please check our website on financial aid and scholarships: https://www.uni-stuttgart.de/en/study/living-in-stuttgart/finances/index.html .
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Requirements / Registration

Academic admission requirements	A Bachelor's degree in computational linguistics, natural language processing, computer science, linguistics or a related field is required.
Language requirements	<p>Proof of sufficient English skills (minimum C1 CEFR) must be submitted before the application deadline.</p> <p>Accepted forms of proof are:</p> <ul style="list-style-type: none">• recognised certificates, e.g. TOEFL iBT 95 points, IELTS (academic) min. band score 7, etc.• German "Abitur" certificate stating the achieved language level• Medium of instruction (If at least six semesters of the undergraduate studies were entirely conducted in English, it is sufficient to provide a confirmation from the university.)
Technical equipment and programmes	<p>C@mpus organisational platform: https://campus.uni-stuttgart.de/</p> <p>ILIAS platform contents: https://ilias3.uni-stuttgart.de</p>
Application deadline	<p>15 July for the following winter semester</p> <p>15 January for the following summer semester</p>
Submit application to	<p>Please follow the application procedure stated on the university's Admissions Office website.</p> <p>We look forward to receiving your application!</p> <p>Best regards,</p> <p>Your Faculty 5 team</p>

Services

Possibility of finding part-time employment	<p>The region is home to numerous companies and offers students many opportunities to get a student job or internship.</p> <p>Please be aware that it may be challenging to finance your studies solely by working. Non-EU citizens are by law allowed to work for a maximum of 120 days per year. Only students who are employed by the university in one of the institutes or departments ("Studentische/Wissenschaftliche Hilfskräfte") are exempt from this regulation, but other restrictions may apply.</p> <p>For more detailed information, please consult our websites: International Students: Financing Your Studies and Working During Your Studies.</p>
Accommodation	Both the campus in Stuttgart-Vaihingen and the campus in the centre of Stuttgart have on-site halls of residence. Dorm rooms (ranging from 240 to 350 EUR per month) are furnished. Some are equipped with a sink, and all have access to kitchen and sanitary facilities, telephone and Internet.

From the campus in Stuttgart-Vaihingen, the city of Stuttgart can be reached by suburban railway within ten minutes.

Career advisory service

- Company contact fairs, organised twice a year by the faculty
- Job offers (mailing), provided by the Computational Linguistics student representatives

Furthermore, the Faculty 5 International Service Point (ISP) is happy to assist you with career-related queries.

Support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Tutors
- Accompanying programme
- Cultural and linguistic preparation
- Pick-up service
- Specialist counselling
- Visa matters
- Help with finding accommodation
- Support with registration procedures

General services and support for international students and doctoral candidates

Faculty 5 offers extensive support for international students in the fields of Computer Science, Electrical Engineering, and Information Technology:

- **Personal counselling & support** before, during, and after your studies by the [Faculty 5 International Service Point \(ISP\)](#)
- Guaranteed spots in study-related **German language courses** (DaF, German as foreign language) for enrolled international students (**free of charge**)
- **Social activities** such as semester opening gatherings, international days, career planning workshops, cultural events, welcome packages, and much more!



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Francesca Carlon
MA

As a student with a background in linguistics, the programme provides me with the knowledge and skills required to effectively integrate my expertise with the discipline of computer science. There are many opportunities to engage and network with people from diverse backgrounds and areas of expertise. Furthermore, the IMS community at the University of Stuttgart provides a welcoming environment to foster mutual exchange, connections, and support among its members.



The Computational Linguistics Master's programme at the University of Stuttgart

What is special about this programme? Students of the English-language Master's programme at the University of Stuttgart explain why they chose Stuttgart.

» more:

https://www.youtube.com/watch?v=_V2FVUBVhg4

University of Stuttgart

Intelligent systems for a sustainable society

The University of Stuttgart is one of the leading technically oriented universities in Germany with global significance. Located centrally in an economically strong region with vast cultural integration, the university sees itself as a hub of university-based, extramural and industrial research. Furthermore, it takes a role as a leader in research-based teaching, focused on quality and holism. The university is dedicated to researching and strengthening the interfaces between technology, society and culture in an interdisciplinary manner, defined as the "Stuttgart Way". This means the integration of engineering, natural sciences, humanities and social sciences based on the fundamentals of cutting-edge research at a disciplinary level.

Excellent research and teaching

The University of Stuttgart implements innovative concepts in research and teaching in order to provide knowledge and strategies for a meaningful and sustainable development. It focuses on basic research that is both knowledge-oriented and application-related. To facilitate this research, the university is actively part of regional, national and international research networks.

The university is committed to the principle of unity between research and teaching. Students acquire knowledge, expertise and the power of judgement, in accordance with the guidelines of scientific research and awareness. The university fosters fascination for the sciences, supporting its students and junior researchers at all stages of their careers. It promotes independent thinking and provides an environment for responsible action. In doing so, it educates individuals into exceptional experts who think in an integrative and global manner and act responsibly in the sciences, economics and society.

A powerful region

Founded in 1829, at the beginning of the Industrial Age, the University of Stuttgart continues to prepare the way for innovation within an economically and scientifically powerful region and contributes to the economic success and prosperity of our society. This process combines the requirements of a social and cultural change, which allows an early and extensive input of social interests in research and design as well as teaching and further education.

Open-mindedness

The University of Stuttgart stands for open-mindedness, individuality and community spirit. It brings together students that are eager to learn, highly motivated employees, outstanding teachers, and excellent researchers as well as visionary thinkers and inventors. By means of its culture of integration, the university creates and conveys knowledge for shaping the future of our society.



University location

The University of Stuttgart is nestled in one of Europe's most vibrant industrial regions. This fosters many forms of interdisciplinary collaboration – for instance, in numerous Collaborative Research Centres (also known as CRC or sometimes CRC/TRR) and in application-oriented research assignments. The University of Stuttgart sets up a close relationship and a successful transfer of knowledge and technology between its research institutions and business enterprises in the region and beyond. This very practical orientation benefits research and teaching. At the same time, economic players profit from rapid access to new scientific knowledge and contact to experts in their specialised fields. There are numerous possibilities of collaboration for businesses. Furthermore, the university also maintains a close relationship with non-university research institutions such as the Max Planck Society, the Fraunhofer Society, the German Aerospace Center and the German Literature Archive Marbach. Thus, the optimal prerequisites for cutting-edge research at the highest level are all to be found in Stuttgart.

Contact

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🌐 Course website: <https://www.uni-stuttgart.de/en/study/study-programs/Computational-Linguistics-M.Sc-00001/>

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Disclaimer

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