

PROGRAM DESCRIPTION

Semester 1 – 3	
Seminars in core Computational Linguistics	40 CP
Seminars in Computational Linguistics and related areas	50 CP
Semester 4	
Final oral examination	10 CP
Master Thesis	20 CP

CP: Credit Points

Students can choose from a wide range of courses in theoretical and applied computational linguistics as well as from neighboring disciplines, such as theoretical linguistics, psychology, or computer science.

Those entering the program with a degree in linguistics or computer science have to enrich their background with additional courses in the areas missing in their first degree.

Many courses offered at our department include dedicated lab sessions, supporting both foundational overview courses as well as cutting-edge research seminars with individual projects.

HIGHLIGHTS

- ISCL is an innovative combination of linguistics and computer science.
- Tübingen is one of the leading centers of linguistics and computational linguistics in Europe.
- The program offers the broad and solid basis of knowledge needed to engage in research at the Ph.D. level as well as the skills needed to succeed in the expanding language technology industry.
- ISCL is a small, focused program, with direct access to professors, advisors, and an active community of peers.

GEFÖRDERT VOM



Bundesministerium
für Bildung
und Forschung

ISCL @ TÜBINGEN

International Studies in Computational Linguistics (ISCL) is a degree program at the interface of linguistics and computer science. A broad range of courses allows students to explore both foundational topics in computational linguistics as well as application-driven research issues. Small groups and committed teachers support our students in following their interests, which may include, e.g., grammar formalisms for computational linguistics, computational semantics, computer-assisted language learning, information retrieval, or machine learning. We accept entrants with a first degree in computational linguistics, linguistics or computer-science background. The ISCL M.A. degree qualifies graduates to pursue advanced industrial jobs in language technology or to enter into Ph.D. programs.

The University of Tübingen

Innovative. Interdisciplinary. International. Since 1477. These have been the University of Tübingen's guiding principles in both research and teaching ever since it was founded. The University is one of Germany's oldest and most respected, and offers excellent conditions for a course of study with an individual focus. Tübingen not only provides an optimal environment for learning and teaching, it also offers a wide range of other activities via the University Sport Center, the Language Learning Center, the interdisciplinary Studium Generale forum and a modern University Library. The University's motto speaks for itself: *attempo – I dare!*

The town of Tübingen

Tübingen doesn't have a University, Tübingen is a University: young, creative, open, innovative. The beautiful, historic old town and its picturesque location on the Neckar River enhance the high quality of life and provide excellent opportunities for outdoor activities.

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EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN



Study
in Tübingen

INTERNATIONAL STUDIES IN COMPUTATIONAL LINGUISTICS (ISCL)

Master of Arts

FACULTY OF HUMANITIES
Department of Linguistics



PROFILE

As one of the leading computational linguistics programs in Europe, the ISCL M.A. program combines the current themes in research with hands-on training in the skills needed to succeed in cutting-edge language technology companies.

The Department of Linguistics (www.sfs.uni-tuebingen.de) offering the degree houses four professorships, covering the full range from theoretical foundations in linguistics and methods to computational linguistic approaches and applications. Prof. Harald Baayen and Prof. Gerhard Jäger focus on general and quantitative linguistics, while Prof. Erhard Hinrichs and Prof. Detmar Meurers cover computational linguistics from both applied and theoretical perspectives. The department is embedded in a rich interdisciplinary environment at the University of Tübingen, with additional courses being offered by professors of psychology, computer science as well as by researchers in a wide range of research projects, such as those housed in the collaborative research center SFB 833.

The ISCL program offers a great learning environment: teaching in small groups, tutorials to accompany many courses, and excellent on-site lab facilities. The department's good staff-student ratio makes sure you get intensive individual guidance when you need it.

The program attracts many foreign students as well as international staff, resulting in a vibrant international community. All courses offered for the ISCL program are taught in English. Other courses outside the department can be taken in German.

Given the teaching staff and wide range of computational linguistic research projects in Tübingen, the topics of the courses offered reflect both the breadth and depth of this quickly developing field. For many of the ISCL students, the projects also offer the opportunity to work as a research assistant during their studies and thereby gain direct, first-hand knowledge of how research questions are defined, the methods needed to explore them, and how to prepare presentations and publications.

PERSPECTIVES



A degree in computational linguistics offers a variety of perspectives. Research units in large companies as well as small start-ups are offering positions. Examples for possible areas include: Search engine development and information retrieval, dialog systems for telecommunication services, opinion mining and sentiment analysis, software development for automatic translation or for assisting human translators, intelligent language tutoring systems, lexicography and dictionary development, speech technology such as voice synthesizers and automatic speech recognition.

The ISCL M.A. degree also offers the opportunity to embark on a PhD and pursue an academic career. For ISCL students, a research assistant position in one of the computational linguistic projects often provides the first stepping stone in this path as well as opportunities to interact with researchers at the University of Tübingen and other research groups worldwide.

Start of the program: Winter semester
(summer semester also possible)

Duration: Typically 2 years

Credits: 120 ECTS credit points

Studying abroad: Optional, advice given
by the department's Erasmus coordinator

Language of Instruction: English
(optional courses outside department in German)

ENTRY REQUIREMENTS

Applicants have to demonstrate that they meet the academic prerequisites for being admitted to the M.A. program. This usually includes a B.A. degree in either computational linguistics, linguistics, or computer science. Students may be required to take extra courses providing the skills they lack from their bachelor's program, e.g., those with a B.A. in linguistics take programming classes offered at our department.

Since all ISCL courses are offered in English, applicants must have either taken English during the last two years at school in Germany or they must have successfully passed the TOEFL test with a minimum score of 550 (paper-based) or 213 (computer-based), or IELTS with a minimum score of 6.0.

HOW TO APPLY

International students apply to the university by July 15, using the online application form at <https://movein-uni-tuebingen.moveonnet.eu>

Applications are evaluated based on the affinity and quality of the first degree.

The deadline for arriving and enrolling with the registrar's office in Tübingen is September 30, and the program starts the very next day.

We advise applicants to apply and arrive in Tübingen in good time. In addition to the academic reasons, early application is also advisable for practical reasons, such as applying for housing in student dormitories, which requires student status.

If you are unsure about the requirements and how to prove that you meet them, do contact our advisors in advance via e-mail: info@study-iscl.de.

Further information on our degree programs and up-to-date links to the university's application site can be found at www.sfs.uni-tuebingen.de/iscl www.study-iscl.de

Deadline for Application: July 15

Link: <https://movein-uni-tuebingen.moveonnet.eu>

Registrar's office: Studentensekretariat
Wilhelmstrasse 11 · 72074 Tübingen