



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Master's degree



## Computational Neuroscience

University of Tübingen • Tübingen



## Overview

Degree	Master of Science (MSc)
In cooperation with	Werner Reichardt Centre for Integrative Neuroscience, Hertie Institute for Clinical Brain Research, Bernstein Centre for Computational Neuroscience, Centre for Mental Health, Centre for Neurosensory Systems, Natural & Medical Sciences Institute, Max Planck Institute for Biological Cybernetics, Max Planck Institute for Intelligent Systems, <a href="#">International Max Planck Research School for the Mechanisms of Mental Function and Dysfunction</a>
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	The courses are completely taught in English. The language of communication in the labs is predominantly English.
Full-time / part-time	<ul style="list-style-type: none"><li>full-time</li></ul>
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	The application deadline is <b>31 March</b> for the following winter semester.
Tuition fees per semester in EUR	Varied
Additional information on tuition fees	The tuition fees of 1,500 EUR per semester apply only to international students from outside the European Union.
Combined Master's degree / PhD programme	Yes
Joint degree / double degree programme	No

<b>Description/content</b>	Courses include lectures on neural data analysis and models of neural coding and computation, physical and physiological bases of neural recordings and brain imaging, computational motor control and computational vision, rehabilitation robotics and brain computer interfaces, systems neuroscience and neurophysiology, basic mechanisms of learning and memory, mathematics, statistics, programming, machine learning for neuroscience, theoretical neuroscience and behaviour and cognition. The essay rotation, the laboratory rotation and the Master's thesis can be done in labs chosen by students.
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## Course Details

<b>Course organisation</b>	The Master's course lasts four semesters. The first two semesters are devoted to theoretical training/course work (lectures, seminars, tutorials, journal clubs) with an examination period at the end of each semester. The third and fourth semesters are set aside for the seven-week essay rotation, the ten-week lab rotation and the six-month Master's thesis. Ideally, the Master's thesis will lead directly to PhD studies.
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<b>A Diploma supplement will be issued</b>	Yes
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<b>Integrated internships</b>	Two internships (lab rotations) of ten weeks each have to be completed in the third semester. The first laboratory rotation can be an exploration and review project, i.e. an essay rotation.
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<b>Special promotion / funding of the programme</b>	<ul style="list-style-type: none"> <li>• Other (e.g. state level)</li> </ul>
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<b>Course-specific, integrated German language courses</b>	No
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<b>Course-specific, integrated English language courses</b>	No
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## Costs / Funding

<b>Tuition fees per semester in EUR</b>	Varied
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<b>Additional information on tuition fees</b>	The tuition fees of 1,500 EUR per semester apply only to international students from outside the European Union.
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<b>Semester contribution</b>	Enrolment fees at the University of Tübingen are currently about 160 EUR per semester. This includes use of local public transport free of charge from Monday to Friday (in the evenings), on weekends and on public holidays. In addition, students may purchase a semester ticket for unlimited use of public transport in the city of Tübingen and the surrounding area (currently about 110 EUR).
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<b>Funding opportunities within the university</b>	No
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# Requirements / Registration

<b>Academic admission requirements</b>	This MSc programme is aimed at students with a first degree in physics, mathematics, computer science, bioinformatics, engineering or a related field who have a strong interest in biomedical and neural science and technical applications. Profound knowledge in maths (linear algebra, analysis), statistics, elementary probability theory, and programming skills in at least one language are compulsory.
<b>Language requirements</b>	Applicants must provide proof of their English language skills (level B2/C1 CEFR)
<b>Application deadline</b>	The application deadline is <b>31 March</b> for the following winter semester.
<b>Submit application to</b>	<a href="#">Online application link of the University of Tübingen</a>

# Services

<b>Possibility of finding part-time employment</b>	Students may find jobs as junior research assistants in the research groups associated with the Graduate Training Centre.
<b>Accommodation</b>	<p>Accommodation is available through the Student Services organisation ("Studierendenwerk") or on the private market. Rooms in student accommodation cost approx. 200 to 400 EUR per month. As Tübingen is a very attractive place to live, private accommodation is more expensive and can take some effort to find. To make sure you find a suitable place to live, you should start looking as early as possible. We recommend you apply for student accommodation through the "Studierendenwerk" at the same time that you apply for admission to the Master's programme and send in a copy of your notification of admission as soon as you receive it. (Your application won't be processed until the "Studierendenwerk" has received proof of your admission.) Please see: <a href="#">overview of the halls of residence</a> and <a href="#">FAQs</a>.</p> <p>For private accommodation, it is best to check the <a href="#">local newspaper</a> or websites like "<a href="#">WG gesucht</a>".</p> <p>Reservations for a room for international students in the student halls of residence can be made by the Graduate Training Centre of Neuroscience upon request.</p>
<b>Support for international students and doctoral candidates</b>	<ul style="list-style-type: none"><li>• Welcome event</li><li>• Buddy programme</li><li>• Visa matters</li><li>• Pick-up service</li><li>• Specialist counselling</li></ul>
<b>General services and support for international students and doctoral candidates</b>	<p>The personnel of the Graduate Training Centre of Neuroscience and the "On-Boarding for Degree-Seeking Students" service at the University of Tübingen offer comprehensive support and consulting.</p> <p>The services include a help desk, an advisory programme named "How to Study at the University of Tübingen", and a wide range of social activities offered by student groups.</p> <p>For further information, please refer to: <a href="#">On-Boarding for Degree-Seeking Students</a>.</p>



## Study in Tübingen – Neuroscience MSc

Do you have a first degree in biology, biochemistry, biotechnology, biomedical sciences, medicine or a related field? Are you strongly interested in cutting-edge research in neuroscience and neural diseases? Then one of our three Master's programmes in neurosciences may just be the right choice for you! Get your Master's degree at a University of Excellence in Germany!

» more:

<https://youtu.be/5YkOwNXwoac>

# University of Tübingen

Innovative, interdisciplinary, international: These three words summarise what makes the University of Tübingen special. Excellent research and teaching are Tübingen's answer to the challenges of the future in a globalised world. We maintain exchanges with partners around the globe. Networks and cooperation across faculty and subject boundaries are the pillars of our successful strategy. This is reflected in our good position in international rankings. In addition, we are one of the eleven German universities distinguished with the title of "excellent."

The University of Tübingen has been a place of top-level research and excellent teaching for more than 500 years. Some 28,160 students from Germany and around the world are enrolled here in our more than 200 study programmes, including numerous international programmes taught entirely in English (for further information, please see: [Facts and Figures](#))

The University of Tübingen is a member of the European University Alliance "CIVIS – A European Civic University" (<https://civis.eu/en>), offering a wide range of special exchange opportunities for students.



## 📍 University location

Tübingen

- is located in south-western Germany, about 40 kilometres south of Stuttgart.
- has some 90,000 inhabitants. The town's many students and its numerous young families make Tübingen Germany's youngest city

by average age.

- is one of the most coveted places to study in Germany – both because of the excellent conditions for students and researchers, and the unique charm of the town.
- boasts a renowned historic centre with many cafés, restaurants, and shops, and outstanding cultural activities.
- is a very safe place to be, with excellent public transport.
- is well known for its eco-friendly attitudes.
- is surrounded by beautiful countryside. The Black Forest and the Swabian Jura hills are not far away and provide excellent opportunities for climbing, canoeing, hiking, biking – and skiing in winter.

## Contact

### University of Tübingen

Graduate Training Centre of Neuroscience

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🌐 Course website: <https://www.neuroschool-tuebingen.de/master/neural-inf-process/>

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# International Programmes in Germany - Database

[www.daad.de/international-programmes](http://www.daad.de/international-programmes)  
[www.daad.de/sommerkurse](http://www.daad.de/sommerkurse)

## Editor

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## GATE-Germany

Consortium for International Higher Education Marketing  
[www.gate-germany.de](http://www.gate-germany.de)

## Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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