



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Bachelor's degree



International Computer Science BSc

OTH Regensburg • Regensburg



Overview

Degree	Bachelor of Science
Teaching language	<ul style="list-style-type: none">English
Languages	All core modules are delivered in English. The foreign language module is delivered in either German or Spanish, depending on the language track selected.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	7 semesters
Beginning	Winter semester
Additional information on beginning, duration and mode of study	Introductory course on "Studying and Living in Regensburg" starting in September (voluntary but recommended)
Application deadline	1 May to 15 July for the following winter semester Applications submitted outside of this period cannot be considered.
Tuition fees per semester in EUR	Varied
Additional information on tuition fees	The service fee of 500 EUR applies only to non-EU students.
Joint degree / double degree programme	No
Description/content	Computer science is the driving force behind many innovations. It permeates all areas of life, and it will continue to do so for the foreseeable future. Our BSc International Computer Science programme is aimed at students who are interested in a

concrete education covering the broad field of application-oriented computer science with a particular focus on the development of software engineering in a global context.

The programme is run in English and qualifies students for a spectrum of career opportunities within the global IT market.

It is completed over seven semesters and is characterised by a high degree of practical relevance. Many modules offer practical exercises through exciting "hands on" projects in our modern laboratories.

Our Bachelor's degree programme teaches the foundation in the various computer science areas. Problem solving in different programming languages is taught as well as global software solutions. Additionally, you will learn the mindset of computer science by developing algorithms, learning how to build user-friendly systems and how to protect them from attacks.

German or Spanish as a foreign language complements the international flair of the curriculum nicely and can be practically implemented during the fifth semester industrial placement. This is a fantastic opportunity at a well-known company or an exciting start-up in Germany or even abroad. Here you can apply all your theoretical knowledge, gain valuable professional experience and also make crucial contacts for your future career.

Why study International Computer Science at OTH Regensburg:

- **Largest computer science department at a university of applied sciences in Bavaria:**We offer a broad spectrum of application-oriented subject areas and elective modules with a range of opportunities for specialisation.
- **Practical orientation:** We combine a theoretical education with a high degree of practical relevance through an industrial placement.
- **Ideal conditions for studying:**An excellent supervision ratio between lecturers and students as well as excellent equipment in a new building guarantee optimal study.
- **Top rankings in the CHE ranking for our computer science programmes:**TOP ratings in all areas: overall study environment, support by lecturers, graduation in a reasonable time, international orientation
- **Language competence – German:**As a student without knowledge of German, you will learn to level B1 to help qualify and transit to the national job market smoothly.
- **Language competence – international:**Students with a domestic degree acquire additional knowledge of Spanish.
- **Continuing consecutive Master's programme** in computer science
- **Studying in Regensburg:**Vibrant student life, a common campus for all higher education institutions, excellent quality of life in a world heritage city with over 30,000 students

Course Details

Course organisation

Our BSc International Computer Science programme comprises seven semesters (3.5 years), six theoretical semesters and one practical industrial placement semester. It is divided into three study sections:

- First study section (first and second semesters)
- Second study section (third to fifth semester)
- Third study section (sixth and seventh semester)

In the first study section, the fundamentals are taught. Students receive an insight into the requirements of the degree programme.

The second study section expands on the fundamentals, it teaches special subject knowledge and imparts practice-oriented skills. These are put into practice and particularly deepened in the fifth study semester, the industrial placement semester.

In the third study section, students widen their knowledge through a selection of elective and advanced modules. There is also a focus on the Bachelor's thesis, in preparation for the seventh and final semester.

After graduating, you will be both qualified and experienced enough to make a smooth transition to one of the many professional computer science opportunities within the global IT market.

International Elements

- Integrated language training
- Global Software Engineering
- Software for the Global Market
- Scientific Seminar
- Variety of other international modules in English (see curriculum)
- Students from different countries and cultures

Language choice

The choice of language depends on the applicant's level of German language skills at the time of application:

- Students who provide evidence of German language proficiency at level B1 of the Common European Framework of Reference for Languages (CEFR) will be assigned to Language Track B and take the compulsory Spanish language modules during the first four semesters.
- Students who do not provide this proof will be assigned to Language Track A and take the corresponding compulsory German language modules during the first four semesters.

Study objective

Our goal is to educate and support students to become computer science experts with practical experience gained from both within our labs and during their industrial placement.

With a degree in International Computer Science, you will be able to:

- effectively apply and develop the acquired theoretical and practical competence in a wide range of areas and industries
- adapt to the frequently changing requirements of the market and technology, develop new solutions and independently design lifelong learning processes
- successfully work in an international environment
- confidently take-on responsibility in a team.

You can find a detailed overview of the curriculum here: [Curriculum BSc ICS](#).

International elements	<ul style="list-style-type: none"> • Projects with partners in Germany and abroad • International guest lecturers • Language training provided • International comparisons and thematic reference to the international context
Integrated internships	An industrial placement of 18 weeks is completed in the fifth semester.
Course-specific, integrated German language courses	Yes
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	500 EUR
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Additional information on tuition fees	The service fee of 500 EUR applies only to non-EU students.
Semester contribution	168 EUR registration fee per semester Your bus ticket for the semester and other student benefits are included in this price.
Costs of living	Students should reckon with approximately 700 to 800 EUR per month for living costs and expenses in Regensburg. A private room with shared kitchen and bathroom in a house or flat costs between 260-350 EUR per month. Whereas, an apartment with your own private kitchenette and bathroom costs between 330-500 EUR per month. General living costs for food, bills, health insurance (non-EU students) and socialising should then be factored in on top of room costs.
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	As a full-time student, there is the possibility to apply for financial aid twice a year from our International Office. There are other possibilities open to full-time international students too, for example, the Askar-Carl-Forster-grant (a one-off grant to help with book costs) or a "Deutschlandstipendium". Specifics can be found on the OTH International Office homepage: International (oth-regensburg.de)

Requirements / Registration

Academic admission requirements	OTH Regensburg welcomes both national and international applications. In order to apply, the following documents are necessary: <ul style="list-style-type: none"> • General university entrance qualification • If your qualification was achieved outside of Germany, please include the uni-assist evaluation report VPD uni-assist • If your native language is not English, please provide a language certificate (see below) <p>For further information and support, please use the links below: OTH International students before studies BSc International Computer Science</p>
Language requirements	Applicants whose native language is not English are required to provide evidence of sufficient English proficiency in spoken and written language, using the certificates recognised by OTH Regensburg. At least level B1 should be demonstrated under the Common European Framework of Reference for Languages. However, level B2 is strongly recommended to keep up with the tempo of the course. Accepted certificates of English language proficiency are as follows: <ul style="list-style-type: none"> • IELTS certificate • TOEFL certificate

- Cambridge Certificate, level B1
- TELC, level B1
- Graduation certificate from a public or state-recognised high school in Germany

Application deadline

1 May to 15 July for the following winter semester

Applications submitted outside of this period cannot be considered.

Submit application to

Your first step should be to register with Hochschulstart: <https://www.hochschulstart.de>

After registering with Hochschulstart, you can then apply through the OTH Regensburg application portal: hisinone-studium.oth-regensburg.de

Services

Possibility of finding part-time employment

Students are well supported in finding a part-time job. There are two main channels that you can go through:

- the OTH Job exchange [OTH Job Exchange](#) or
- the Studentwerk (Student Union) [Studentenwerk](#)

Accommodation

The International Office provides very useful information regarding living in Regensburg and finding accommodation:

[International students - living in Regensburg](#)

Students are responsible for finding their own accommodation but there are plenty of sources to help you:

- The Student's Union page is a great place to start: <https://www.stwno.de/en/housing>
- There is also advice from the International Office, which helps provide an overview of accommodation possibilities for students within Regensburg: [International Office – accommodation advice](#)
- There are also estate agent portals such as Immowelt or Immobilienscout24.
- You can also use an estate agent to find a suitable apartment, although this can be an expensive option.

Career advisory service

The Career Service offers all types of students general advice regarding job applications, placements, jobs and scholarships. Students can also get personal support with job application forms.

Additionally, there are regular opportunities to attend career and job-related seminars, workshops and presentations.

Finally, the OTH Regensburg Job Exchange provides students with direct access to internships, final year projects or jobs. It is a great source of information.

Click here for more information: [Career's Service](#)

Support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Tutors
- Specialist counselling
- Cultural and linguistic preparation



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Helena Gschrey
Master's student in the
Faculty of Computer
Science and Mathematics

The diverse lecture programme ideally prepares students for challenges in IT and business. As the programme belongs to the Faculty of Computer Science and Mathematics, we really benefit from high quality technical lectures.



Image film | OTH Regensburg

Official image film of Ostbayerische Technische Hochschule Regensburg (OTH Regensburg)

» more:
<https://www.youtube.com/watch?v=EKLIXV50okY>

OTH Regensburg



OTH Regensburg library

© OTH Regensburg / Barbara Uhl

Ostbayerische Technische Hochschule Regensburg (OTH Regensburg) offers its students the best possible start for a successful professional career. With around 11,000 students, it is one of the largest technical universities of applied sciences in Bavaria.

Over 40 practice-oriented Bachelor's and Master's degree programmes in engineering, business studies, design, health and social services are characterised by their high level of quality in both teaching and research.

The guiding themes of OTH Regensburg are Energy & Mobility, Information & Communication, Life Sciences & Ethics, Production &

Systems, Building & Infrastructure, Sensors & Analytics. Sensor Technology is an interdisciplinary subject.

OTH Regensburg works closely with numerous business enterprises to offer a wide range of dual study programmes. Cooperation with industry in the region also plays a major role in teaching and research.

More than 170 partnerships with other universities of applied sciences guarantee OTH Regensburg a good starting position when it comes to international competition.

Five further courses are also based at the Centre for Continuing Education and Knowledge Management. The link between scientific theory and industrial practice is forged by the Institute of Applied Research and Partnership with Industry (IAFW), with competence centres on themes such as renewable energy, sensor technology, mechatronics, and bioengineering.

Digitalisation is becoming increasingly important for both studying and teaching. The Faculty of Computer Science and Mathematics is working to integrate virtual and hybrid teaching concepts into our programmes and building on positive experiences from during the Corona pandemic.

However, we also pursue other innovative teaching concepts to help students acquire new skills. For example, the OTH Regensburg Award for Innovation and Quality in Teaching has been awarded twice (2020 and 2022) to lecturers in the Faculty of Computer Science and Mathematics.

Modern facilities, an award-winning library and 120 laboratories are all key factors in providing an effective environment to learn, thrive and succeed in your studies at OTH Regensburg.



University location

Regensburg – an excellent decision

When deciding to study in Regensburg, you make an excellent choice in many respects. You decide on a city full of history, a UNESCO world heritage site with 2,000 years of history. Nevertheless, Regensburg not only shows its history but also allows you to be actively involved in history, which you can see, feel, and enjoy.

When deciding to study in Regensburg, you will stay in one of the most dynamic and innovative research and business areas in Germany. Global high-tech players like BMW, Continental Automotive, OSRAM, and Infineon Technologies as well as many of our world famous German SME (small and medium-sized enterprises) open opportunities to already get in contact with Germany's high-tech industry during your studies.

When deciding on Regensburg, you will enjoy a young and vital city. More than 30,000 students from different regions and countries make it easy to be part of a big and open-minded community.

When deciding on Regensburg, you decide on excellent conditions for studying and an excellent university of applied sciences, where you can easily profit from Germany's high-end education system and the close co-operation between science and industry.

Decide on Regensburg – an excellent starting point for your scientific and professional career.

Text written by Dieter Daminger (Councillor for Economic, Financial, and Research Affairs for the City of Regensburg), from "Regensburg – an excellent decision"

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🌐 Course website: <https://www.oth-regensburg.de/en/study/course-overview/detailview/study-international-computer-science-bachelor>

📘 <https://www.facebook.com/oth.regensburg.de/>

🐦 https://twitter.com/OTH_Regensburg

🌐 <https://de.linkedin.com/school/fachhochschule-regensburg/>

📷 https://www.instagram.com/oth_regensburg/

📺 <https://www.youtube.com/user/HSRegensburg>

Last update 24.06.2024 13:46:49

International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor

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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".

The publication is funded by the German Federal Ministry of Education and Research and by contributions of the participating German institutions of higher education.



Federal Ministry
of Education
and Research