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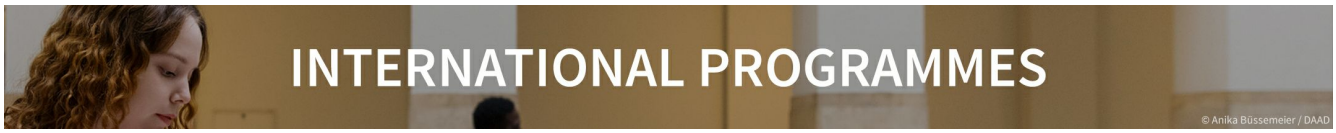
German Academic Exchange Service



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Master's degree

Hydrogen Technology

Rosenheim Technical University of Applied Sciences • Burghausen





Overview

Degree	Master's degree
Teaching language	• English
Languages	English
Programme duration	3 semesters
Beginning	Winter and summer semester
Application deadline	15 July for the following winter semester 15 December for the following summer semester
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	With the threat of climate change and raw material supply limits being reached, the pressure on industry to change its energy and materials base has increased. Developing new ideas and implementing them in day-to-day operations has become a key competence for companies to succeed in their target markets. This results in the need for well-trained and highly qualified professionals with a solid technological background in the new technologies. The Master's programme in Hydrogen Technology provides students with an application-oriented education within the megatrend of hydrogen. The aim is to deepen and specialise knowledge in the field of production, storage, transport and application of hydrogen and all related areas. After graduation, students will be able to occupy responsible positions as technical experts or project managers. The study programme offers modules for the acquisition of in-depth technological as well as application-oriented and competence-based knowledge. The theoretical basics are supplemented by project work in the field of hydrogen technology and current challenges of applied research and development projects.

	The Burghausen campus is located within the ChemDelta Bavaria, and it combines a strong scientific education with close contacts to companies. The companies within the ChemDelta Bavaria are leaders in the development of hydrogen technologies and play a key role in shaping the transformation of the chemical industry towards a sustainable value chain. **Online info sessions:** Learn more about the programme and join our online info sessions! Register here:www.th-rosenheim.de/info-sessions.

Course Details

Course organisation	The degree programme consists of three semesters. The modules can be selected from both subject-specific and application- and competence-oriented courses. The modules are supplemented by exercises, laboratory work and seminar lectures. To support an application-oriented education, a project work dealing with current challenges of research and development in hydrogen technology is part of the study programme. Part-time studies are possible on request for applicants who are working in parallel. For part-time studies, the programme duration is six semesters instead of three.
A Diploma supplement will be issued	Yes
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	85 EUR student union fee per semester
Costs of living	Each student needs about**992 EUR per month**to cover living expenses, student accommodation, health insurance and other related costs in Rosenheim. We recommend calculating approx. 11,904 EUR per year in total. **For international students from non-EU countries:** Proof of financial resources / blocked account: With a blocked account, you can provide evidence that you have adequate financial resources during the visa application process. The presumed annual requirement that must be paid into the blocked account when applying for a visa amounts to 11,904 EUR. Please see the information from the Federal Foreign Office: www.auswaertiges-amt.de/en/visa-service/visabestimmungen-node/sperrkonto-seite.
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	Admission to the Master's degree programme requires a Bachelor's degree in the natural sciences or engineering field, such as Chemical Engineering, Chemistry, Process Automation Systems, Environmental Technology, Mechanical Engineering, Process Engineering, Energy Technology, Physics, Materials Science, Materials Engineering or an equivalent qualification obtained in Germany or abroad. **Important:** International applicants who have acquired their first degree at a **non-German institution** need a **"Vorprüfungsdokumentation" (VPD) / preliminary review documentation** from uni-assist for their application. Uni-assist will review the Bachelor's / first degree certificate in advance and will issue a VPD. Prospective students can apply for a VPD at uni-assist here: https://www.uni-assist.de/en/. It takes approximately four to six weeks until you will receive your result. Please take this into account when planning your application. More detailed information on the admission requirements is available at www.th-rosenheim.de/information-sheets.
Language requirements	In order to apply for the programme, you will need a language level of **English B2** according to the CEFR. The following **English language tests** are recognised: • Internet-based TOEFL with 72 or more points • TOEIC with 785 or more points • IELTS with a band score of 6.0 or higher • Cambridge CEFR B2 First (FCE) with Grade C (at least 160 points) or higher • Cambridge CEFR C1 Advanced (CAE) with level B2 (at least 160 points) or higher • TELC Certificate English B2 or higher • Pearson PTE Academic with 60 or more points • At least six years of school-based English language instruction at a secondary school, as evidenced by a German-language university entrance qualification or an equivalent, recognised university entrance qualification from a non-German school • Completed English-language Bachelor's or Master's degree programme • Completed English language and literature studies in Germany and abroad • A grade of at least "good" in the module "Technical English" or a comparable English language module from a previous German-language degree programme Applicants whose native language is English are exempt from demonstrating sufficient English language skills.
Application deadline	15 July for the following winter semester 15 December for the following summer semester
Submit application to	Application is possible via our **online application portal.**

Services

Possibility of finding part-time employment	A limited number of student jobs are available at TH Rosenheim (e.g. for lab work, research projects or other support functions). Students can find part-time jobs at regional companies. Basic knowledge of the German language significantly improves your chances of getting a student job.

	Online job market at TH Rosenheim: You will find job postings on the internal online job market at TH Rosenheim. **Bavaria-wide job exchange:** You will also find interesting job offers at: https://jobboerse.th-rosenheim.de/index.php/en. **More helpful tips:** Our website also provides practical advice about working in Bavaria, Germany: https://www.th-rosenheim.de/en/international/incomings/general-information/working-in-bavaria.
Accommodation	Information regarding accommodation in Burghausen is available athttps://www.campus-burghausen.de/wohnheime-und-vermittlung/.
Career advisory service	**Applying for jobs and starting your career:** The Career Centre provides students and graduates with information and advice on applying for jobs, career planning and starting out in the world of work. **Workshops for international students, e.g.:** • What's important to stand out from the crowd? • Written applications and interviewing • Individual CV check & counselling International students who need assistance with writing applications have the chance to arrange individual appointments in English and German.
Support for international students and doctoral candidates	• Welcome event • Tutors
Supervisor-student ratio	Good professor-student ratio, small groups

Take a tour of Campus Burghausen!

The Burghausen campus of Rosenheim Technical University of Applied Science is located next door to international corporations in the chemical industry and offers optimal study conditions for the intensive combination of theory and practice. Focused on chemical technology and economics, the Bachelor's and Master's degree programmes enable career prospects far beyond the region.

» more:
https://www.youtube.com/watch?v=ROQf1dtNQCA&list=PLT8o9t6885ffDbIxeUDTQ1mQTA9pCdQK-&index=8

Rosenheim Technical University of Applied Sciences

Burghausen campus

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Rosenheim Technical University of Applied Sciences (TH Rosenheim): To study at Rosenheim Technical University of Applied Sciences (TH Rosenheim) is to study in one of Germany’s most beautiful and economically attractive regions. With its high-quality and wide-ranging

selection of degree programmes, excellent studying conditions, close links with industry and research, and a strong practical connection, our university offers a promising outlook – for studying, leisure time and careers. To help international students feel at home, the university offers a variety of services, such as German language courses and tutors assisting with everyday university life.

Five USPs for studying at TH Rosenheim:

- No tuition fees for regular Bachelor's and Master's degree programmes
- Practice-oriented education with more than 100 laboratories
- A welcoming atmosphere with close contact between lecturers and students
- German language courses and career workshops for free
- Mountains on the horizon and leisure activities at every turn

University location

Studying in Burghausen

The Burghausen campus is situated in the heart of Burghausen, in the immediate vicinity of the large industrial enterprises in the Burghausen region. Students, professors and lecturers have plenty of space for intensive collaboration in teaching and research, including labs, compact plant facilities, the technical centre and the Audimax of the Burghausen campus. Burghausen is one of the region's most dynamic cities, situated between Munich and Linz as well as between Passau and Salzburg. Each year, up to a quarter of a million people visit the city on the Salzach river.

With more than 13,000 commuters, Burghausen is of special economic importance to the region as a location for industry in ChemDelta Bavaria. Burghausen – with the world's longest castle and its beautiful old town – is an important centre for people from the surrounding areas in Bavaria and Austria.

Contact

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