



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Bachelor's degree



## BSc in Applied Mathematics

Technical University of Applied Sciences Würzburg-Schweinfurt (THWS) • Schweinfurt



## Overview

Degree	Bachelor of Science in Applied Mathematics
Course location	Schweinfurt
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	All courses are held in English.
Mode of study	Fully on-site with voluntary online elements
Programme duration	7 semesters
Beginning	Winter semester
Application deadline	1 April to 15 June for the following winter semester
Tuition fees per semester in EUR	None
Joint degree / double degree programme	No
Description/content	Graduates of the Bachelor's degree programme in Applied Mathematics have a sound understanding of core mathematical subjects as well as hands-on programming skills. Additionally, they gain insight into one of two possible areas of specialisation: business or engineering. Having the chance of spending a semester at one of our partner universities and of completing an internship in renowned companies, the profile of the degree programme offers outstanding career perspectives, e.g. in industry or engineering firms, with telecommunication and transport companies, with energy providers, or in the banking and insurance business.

## Course Details

Course organisation	Semesters One and Two: Basic subjects (e.g. Calculus, Linear Algebra, Computer Science,
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Economics or Physics)

Semesters Three and Four: Advanced subjects (e.g. Differential Equations, Probability Theory and Statistics, Data Science, Business Processes or Electrical Engineering)

Semester Five: Beginning of specialisation (e.g. Optimisation, Stochastic Processes, elective courses)

Semester Six: Internship with internship seminar

Semester Seven: Bachelor's thesis with Bachelor's seminar, elective courses

Graduates of the programme are awarded the degree of Bachelor of Science (BSc).

<b>A Diploma supplement will be issued</b>	Yes
<b>International elements</b>	<ul style="list-style-type: none"><li>• Specialist literature in other languages</li><li>• Language training provided</li><li>• Training in intercultural skills</li><li>• Projects with partners in Germany and abroad</li><li>• International comparisons and thematic reference to the international context</li><li>• Content-related regional focus</li></ul>
<b>Integrated internships</b>	An internship is to be completed during the sixth semester.
<b>Course-specific, integrated German language courses</b>	No
<b>Course-specific, integrated English language courses</b>	Yes

## Costs / Funding

<b>Tuition fees per semester in EUR</b>	None
<b>Semester contribution</b>	114 EUR per semester, including a semester ticket for free public transport in the city of Schweinfurt
<b>Costs of living</b>	600 to 800 EUR
<b>Funding opportunities within the university</b>	No

## Requirements / Registration

<b>Academic admission requirements</b>	Secondary education diploma (A level or equivalent)  Every qualification must be checked individually, depending on the educational background of
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each student.

<b>Language requirements</b>	<ul style="list-style-type: none"><li>• Evidence of knowledge of English at level B2, e.g. valid TOEFL iBT® test result of at least 83 points (Internet-based), IELTS 6.0, etc. <a href="https://www.thws.de/en/thws-international/ways-to-thws/incoming-full-time-students/application/">Language entrance requirements: Technical University of Applied Sciences Würzburg-Schweinfurt (thws.de)</a></li><li>• To ensure linguistic flexibility when communicating with other students and living in Germany, German language skills at level A2 are required. This must be proven by a corresponding certificate within 12 months after the start of the degree programme.</li></ul>
<b>Application deadline</b>	1 April to 15 June for the following winter semester
<b>Submit application to</b>	Applications have to be submitted online via our application portal.  Additionally, we require a pre-evaluation of your university entrance qualification from uni-assist (VPD), APS or ZAST/ZAB. Please check our homepage for further information: <a href="https://international.thws.de/en/thws-international/ways-to-thws/incoming-full-time-students/application/">https://international.thws.de/en/thws-international/ways-to-thws/incoming-full-time-students/application/</a> .

## Services

<b>Possibility of finding part-time employment</b>	<p>In order to finance your living expenses during your studies, you can look for a student job. However, please note that your focus should always be on your studies.</p> <p><b>Students from non-EU countries</b> may work 120 full days or 240 half days per year. If you work as a student assistant at a university or a company, the amount of days may be higher.</p> <p><b>Students from EU countries:</b> There are no restrictions.</p>
<b>Accommodation</b>	Several halls of residence are located in Schweinfurt within short distance to the campuses. These halls of residence offer facilities such as furnished rooms, Internet connections, and common areas. Further information: <a href="https://international.thws.de/en/thws-international/ways-to-thws/formalities-and-finances/accommodation/">https://international.thws.de/en/thws-international/ways-to-thws/formalities-and-finances/accommodation/</a>
<b>Career advisory service</b>	<p>The International Career Service at THWS offers events and information for students in English, for example on transitioning into professional life.</p> <p>In addition, we offer plenty of information about the following topics:</p> <ul style="list-style-type: none"><li>• applications</li><li>• job interviews</li><li>• links to online job portals</li></ul> <p><a href="https://international.thws.de/en/thws-international/ways-to-thws/international-career-service/">https://international.thws.de/en/thws-international/ways-to-thws/international-career-service/</a></p>
<b>Support for international students and doctoral candidates</b>	<ul style="list-style-type: none"><li>• Welcome event</li><li>• Tutors</li><li>• Accompanying programme</li><li>• Specialist counselling</li><li>• Cultural and linguistic preparation</li></ul>



## Applied Mathematics at THWS

Bachelor's degree programme in  
Applied Mathematics with a focus on  
Business or Engineering

Starting in winter semester 2024/2025  
on 1 October, THWS offers a  
Bachelor's degree programme in  
Applied Mathematics fully taught in  
English!

» more:

[https://www.youtube.com/watch?  
v=4BwwBH55UW0&list=PLR\\_aQBKLS  
kvPXhH5-00vLTrsgwEOV\\_jFb](https://www.youtube.com/watch?v=4BwwBH55UW0&list=PLR_aQBKLSkvPXhH5-00vLTrsgwEOV_jFb)

# — Technical University of Applied Sciences — Würzburg-Schweinfurt (THWS)



Campus I in Schweinfurt

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### About THWS

The Technical University of Applied Sciences Würzburg-Schweinfurt (THWS) was established in 1971, with campuses in two locations in Würzburg and Schweinfurt. Today, the THWS is one of the largest universities of applied sciences in Bavaria (southern Germany). As a public university, we guarantee an excellent academic education recognised throughout the world.

### Course offerings

With its 10 departments and more than 40 undergraduate and postgraduate degrees, as well as six research institutes, the THWS offers a broad, practice- and future-oriented course programme. Within the THWS i-Campus concept, Bachelor's programmes that are conducted in English add to the wide range of German programmes. Courses take place in modern lecture rooms and laboratories equipped with innovative technology and state-of-the-art appliances.

### Low student-to-teacher ratio

Studying at THWS is characterised by small study groups and a low student-to-teacher ratio. Through a great share of seminar papers, students learn to work independently. Additionally, project work promotes the students' teamwork abilities.

### Education with a special focus on application and practice

Almost 200 professors with solid professional experience from industry and business provide scientific education with special relevance to application and practice. The university collaborates closely with regional and transregional businesses. Students benefit from this close collaboration by being able to do internships and having the possibility to write their Bachelor's theses in one of these companies. Moreover, they have the chance to build a network for their future career.

### International focus

THWS excels due to its international orientation. For more than 30 years, the university has welcomed students from over 80 countries. Worldwide, THWS is associated with more than 230 universities.



## University location

### Located in Bavaria

The university's location in Schweinfurt is situated in one of the most beautiful regions of Germany. Franconia, in the northern part of the federal state Bavaria, offers high recreational value as a region of cultural and culinary delight. Due to its favourable geographic location, Schweinfurt is a perfect starting point to discover Germany and Europe. The international airports of Frankfurt am Main and Munich are within easy reach.

### City of Schweinfurt

Schweinfurt, with a population of 57,000, is well known for its metal industry. Apart from accommodation at favourable prices and a reasonable cost of living, the town offers students an attractive environment with high recreational value. Thanks to the wide range of industry operating in the area and cooperation between our university and industrial partners, students can find good opportunities for practical semesters and theses. Moreover, the region offers excellent job prospects.

## Contact

### Technical University of Applied Sciences Würzburg-Schweinfurt (THWS)

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97421 Schweinfurt

Tel. +49 93135116500

✉ [degreeseeker@thws.de](mailto:degreeseeker@thws.de)

🌐 Course website: <https://fang.thws.de/en/mathematics-and-physics/bachelor-applied-mathematics/>

 <https://www.linkedin.com/groups/8554638/>

 <https://www.instagram.com/international.thws>

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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)

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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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