



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



Table of Contents

Bachelor's degree	2
Autonomous Vehicle Engineering • Technische Hochschule Ingolstadt • Ingolstadt	2

Bachelor's degree



Autonomous Vehicle Engineering

Technische Hochschule Ingolstadt • Ingolstadt



Overview

Degree	Bachelor of Engineering in Autonomous Vehicle Engineering
Teaching language	<ul style="list-style-type: none">English
Languages	The compulsory classes and most electives are held in English. Some electives are given in German. Participants can choose to write their Bachelor's theses in either language.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	7 semesters
Beginning	Winter semester
Application deadline	<p>1. uni-assist: from as soon as possible until 30 May the latest for the winter semester</p> <p>If you obtained your higher secondary school certificate outside of Germany, uni-assist has to verify your eligibility to study in Germany and to convert school grades to the German grading system. You will have to submit all required documents to uni-assist online. The process takes four to six weeks.</p> <p>2. PRIMUSS – THI application portal from 2 May until 15 July for the winter semester</p> <p>You will have to apply online at the PRIMUSS university application portal. In case of admission, you will have to send all required documents additionally by post later on.</p> <p>Please check the THI website to get up-to-date information regarding the application periods.</p>
Tuition fees per semester in EUR	500 EUR
Additional information on tuition fees	<p>This is a service fee payable by all students from third countries (with a citizenship outside the EU and the European Economic Area).</p> <p>With this fee, we want to significantly expand our services for international students.</p> <p>No service fees are charged for citizens of an EU member state and/or the European Economic Area or for students who have obtained their university entrance qualification in the German education</p>

system.

Joint degree / double degree programme	No
Description/content	<p>The Bachelor's programme in Autonomous Vehicle Engineering deals with interaction of different technologies in order to qualify engineers for the development of automated mobility systems by teaching the scientific and engineering basics and methods. Students acquire skills in fields that are characteristic for automated mobility systems:</p> <ul style="list-style-type: none">• Sense: Sensor technology, sensor systems and sensor data fusion for detection of the environment and data acquisition• Think: Processing information obtained via sensors to create a driving strategy using software and intelligent algorithms• Act: Safe implementation of the driving strategy with the aid of forces offered by power train, steering and braking systems and utilised by actuators <p>The concepts of these phases are taught in a substantiated way. Laboratory internships and practical phases promote methodological competence. Group projects and seminars strengthen social and personal competence. Later, graduates with a broad interest in interdisciplinary trends in digitalised mobility will find many meaningful fields of activity.</p>
Current information	Technische Hochschule Ingolstadt does not cooperate with recruitment agencies. Applicants will have to apply on their own. Apart from the uni-assist fee, there is no application fee.

Course Details

Course organisation	<p>First section:</p> <ul style="list-style-type: none">• Semester one and two: Basic theories, methods and skills of engineering, mathematics/statistics and technical/practical computer science <p>Second section:</p> <ul style="list-style-type: none">• Theory part – semester three and four: imparting of subject-specific basics and skills in processing information for the purpose of driving a vehicle• Internship part – semester five• Theoretical part – semester six and seven: This part of the curriculum imparts in-depth specialist theories and concepts of automated and networked driving. Students develop the ability to analyse a complex task from practice/research and to work on it with the help of scientific sources. The results are to be presented in written and oral form to show that the tasks can be presented in a structured way and defended in content.
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none">• International guest lecturers• Language training provided• Projects with partners in Germany and abroad
Integrated internships	An internship is mandatory in the second section (semester five).

Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	500 EUR
Additional information on tuition fees	<p>This is a service fee payable by all students from third countries (with a citizenship outside the EU and the European Economic Area).</p> <p>With this fee, we want to significantly expand our services for international students.</p> <p>No service fees are charged for citizens of an EU member state and/or the European Economic Area or for students who have obtained their university entrance qualification in the German education system.</p>
Semester contribution	All students will have to pay a student services fee of 67 EUR per semester.
Costs of living	Student organisations estimate that costs of living are approx. 950 EUR or more per month, depending on individual needs and expectations. Mandatory health insurance in Germany will cost a student around 110 EUR per month.
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	<p>There are different scholarships available to enrolled students, such as the Deutschlandstipendium. All students will have to look and apply for specific scholarships themselves! Most scholarship programmes are based on performance (grades, voluntary work, etc.). The economic situation of applicants is usually not taken into consideration. A certain level of German language skills (at least B2) is required for many scholarships.</p> <p>The International Office also offers scholarships. Enrolled international students will be notified of the call once a year via the communication channels of the university.</p>

Requirements / Registration

Academic admission requirements	<p>Admission requirements are an admission to university (secondary school certificate) and sufficient knowledge of the English language. In an aptitude assessment procedure, the applicant must also prove that he or she fulfils special requirements that are expected to result in a successful progress.</p> <p>The aptitude is determined by an evaluation of certificates based on the following criteria: average mark of the secondary school certificate and subject-specific individual grades. The marks listed in the secondary school certificate in the subject mathematics and two subjects from the natural sciences including computer science graded best are used as subject-specific individual marks. The grades are converted into points and a total point score is calculated as a weighted average of the above criteria. If the total points value is above the expected limit, suitability is considered to be established and admission is given.</p>
---------------------------------	---

Language requirements	<ul style="list-style-type: none"> • English: B2 • You may start with little or no German language proficiency.
Application deadline	<p>1. uni-assist: from as soon as possible until 30 May the latest for the winter semester</p> <p>If you obtained your higher secondary school certificate outside of Germany, uni-assist has to verify your eligibility to study in Germany and to convert school grades to the German grading system. You will have to submit all required documents to uni-assist online. The process takes four to six weeks.</p> <p>2. PRIMUSS – THI application portal from 2 May until 15 July for the winter semester</p> <p>You will have to apply online at the PRIMUSS university application portal. In case of admission, you will have to send all required documents additionally by post later on.</p> <p>Please check the THI website to get up-to-date information regarding the application periods.</p>
Submit application to	<ol style="list-style-type: none"> 1. Submit your application via uni-assist to get your VPD document. 2. PRIMUSS: THI application portal for online application submission <p>More information on applications can be found here.</p>

Services

Possibility of finding part-time employment	<p>In addition to open internship positions on the university platform, students should consider research and teaching assistant positions at THI.</p> <p>Furthermore, the International Office offers workshops in English to prepare international students who seek internship opportunities.</p>
Accommodation	<p>Technische Hochschule Ingolstadt does not run any student residence halls / dorms. You will have to start looking for accommodation on your own as soon as possible. Between 500 and 700 EUR per month should be budgeted for accommodation.</p> <p>The FAQs will help you in finding accommodation in Ingolstadt or Neuburg.</p>
Career advisory service	<p>Workshops to prepare for the German job market</p> <p>For most jobs German is still a necessary key qualification and prerequisite. Even the best degree will hardly help you later if you do not speak German well. We will not only provide you with the best possible support in your studies, but we will also offer a variety of German courses to help you learn German quickly and well.</p>
Support for international students and doctoral candidates	<ul style="list-style-type: none"> • Specialist counselling • Buddy programme

General services and support for international students and doctoral candidates

- Online info session for admitted degree-seekers
- support with residence permit
- German courses at the N.I.C.E. language centre (Network & International Culture Exchange)
- service point and individual appointments



THI Image Film

Student life at THI

» more:

<https://youtu.be/aWCHe9TgL2g>

Technische Hochschule Ingolstadt



THI campus

© THI

Technische Hochschule Ingolstadt is an institution that specialises in business and technology and is characterised by innovative study concepts and modern facilities. We are currently training close to 7,000 students in more than 70 study programmes in engineering, computer science, business, life sciences and sustainability.

Our students will graduate as sought-after specialists and managers. An extremely dynamic and successful region with a distinctly strong economic structure provides for excellent framework conditions. The relatively small student body guarantees individual guidance, a familial atmosphere, and close cooperation between students and professors.

One of the core features of studying at our university is its orientation towards practical application. Internships and projects as well as a continuous cooperation with regional companies are basic components of every study programme.

The Ingolstadt campus was completed in 1999, and a new tract of buildings opened in 2014. In 2021, the Neuburg campus opened its doors with its Faculty of Sustainable Infrastructure.

Modern equipment and facilities create an atmosphere that adds to students' success and enjoyment. Technische Hochschule Ingolstadt is proud of its commitment to offer the highest possible level of quality in research and education. It is possible to explore Technische

Hochschule Ingolstadt by visiting [the interactive 360° THI campus tour](#).



University location

The campus is only a short walk from Ingolstadt's appealing old city. The view from the lecture halls is of a castle and other medieval buildings. Ingolstadt lies in the centre of Bavaria, one of the most prosperous German federal states, and it is only an hour by car from the metropolitan areas of Munich and Nuremberg. The opportunities to take part in leisure activities in the area – which is close to the Alps as well as to the beautiful Altmühl valley – are unlimited. With the headquarters of Audi (the international automotive company) and a large number of innovative corporations in the city, Ingolstadt is proud to be one of the strongest economic regions in Germany. Opportunities to participate in sports activities are provided by the university as well as by various amateur and competitive sports clubs. Bavarian charm and the Bavarian way of life – including summer evenings in beer gardens and the diverse cultural events on offer – make daily life in Ingolstadt particularly attractive for students.


Contact

Technische Hochschule Ingolstadt

Faculty of Electrical Engineering and Information Technology

Prof Dr Martin Ebert

PO box: 21 04 54
Esplanade 10
85019 Ingolstadt

 bewerbung@thi.de

 Course website: <https://www.thi.de/en/electrical-engineering-and-information-technology/degree-programmes/autonomous-vehicle-engineering-beng/>

 https://twitter.com/th_ingolstadt

 https://www.instagram.com/thingolstadt_official/

Last update 19.04.2024 09:39:53

International Programmes in Germany - Database

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

Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.
German Academic Exchange Service
Section K23 – Information on Studying in Germany
Kennedyallee 50
D-53175 Bonn
www.daad.de

GATE-Germany

Consortium for International Higher Education Marketing
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".

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