



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Master's degree



## High Integrity Systems (HIS)

Frankfurt University of Applied Sciences • Frankfurt am Main

### Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	English (100%)
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	15 October for summer semester, 15 April for winter semester
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>First year</p> <ul style="list-style-type: none"><li>Winter semester: Safety-Critical Computer Systems, Advanced Formal Modelling, Introductory Data Analysis, Elective Subjects I: Advanced Real-Time Systems or Machine Learning, Implementation of DBMS, Elective Subjects II: Pattern-Oriented Software Architecture or Quantum Information Science.</li><li>Summer semester: Mathematics Update, Advanced IT-Security, Data Mining, Electives III: Advanced Distributed Systems or Advanced Testing Methods, Electives IV: Human Machine Interface Design or Smart Sensor Network Systems, Electives V: System Theory and Modelling or Transaction Management or Learning from Data</li></ul> <p>Second year</p> <p>Formal Specification and Verification, HIS project, Electives VI: Multivariate Data Analysis or Simulation Methods or Artificial Intelligence, Electives VII: Standards and Certification or Current Topics in High Integrity Systems or Internet of Things, Electives VIII: Selected Subjects in Current Web Engineering or Mobile Systems and Applications or Cloud Computing</p> <ul style="list-style-type: none"><li>Master's thesis</li></ul>

## Course Details

Course organisation	The programme duration is four semesters, with 18 weeks per semester of lectures, seminars, labs in semesters one to three. The fourth semester is dedicated to the Master's thesis (applied research work).
A Diploma supplement will be issued	Yes
Course-specific, integrated German language courses	Yes
Course-specific, integrated English language courses	No

## Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	390 EUR
Costs of living	About 800-1,000 EUR/month
Funding opportunities within the university	No

## Requirements / Registration

Academic admission requirements	Bachelor's degree in computer science according to European standards or equivalent
Language requirements	Proof of sufficient command of English (e.g., IELTS 6, TOEFL iBT 79 or equivalent) Graduates of English-taught programmes are exempt.
Application deadline	15 October for summer semester, 15 April for winter semester
Submit application to	Frankfurt University of Applied Sciences c/o uni-assist e.V. 11507 Berlin Germany

## Services

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**Possibility of finding part-time employment**

International students are allowed to work for 120 full days a year.

**Accommodation**

Accommodation is offered by state-run as well as privately run residence halls. The university website provides useful addresses.

**Support for international students and doctoral candidates**

- Tutors
- Specialist counselling

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# Frankfurt University of Applied Sciences

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Frankfurt University of Applied Sciences offers practice-oriented study programmes of a high academic standard, opening the way to a broad range of attractive professions. Our international orientation smooths the way to the global job market: we not only offer a wide range of language courses and language learning levels, but also maintain partnerships with about 100 universities worldwide. Our students graduate with an accredited Bachelor's or Master's degree, in conformity with international standards.



## University location

With just 700,000 inhabitants, Frankfurt am Main calls itself a "small metropolis". As one of the main financial, trade and logistics centres in Europe, the city is the hub of a flourishing region in the heart of Germany, the Rhine-Main area. It has a strong multinational and multicultural character and attracts businesspeople, students, and tourists alike.

It is a city of striking contrasts – historical and modern, commerce and culture, dynamism and tranquillity. Pubs and restaurants, museums and parks, an opera house and many theatres provide a rich social and cultural life.

Frankfurt has an excellent public transport system, extending to the whole urban region and even to the beautiful landscape of the nearby Taunus Hills. A large number of fascinating natural and cultural heritage sites are well worth visiting.

## Contact

**Frankfurt University of Applied Sciences**

Faculty 2: Computer Science and Engineering

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🌐 Course website: <https://www.frankfurt-university.de/en/studies/master-programs/high-integrity-systems-msc/for-prospective-students/>

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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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