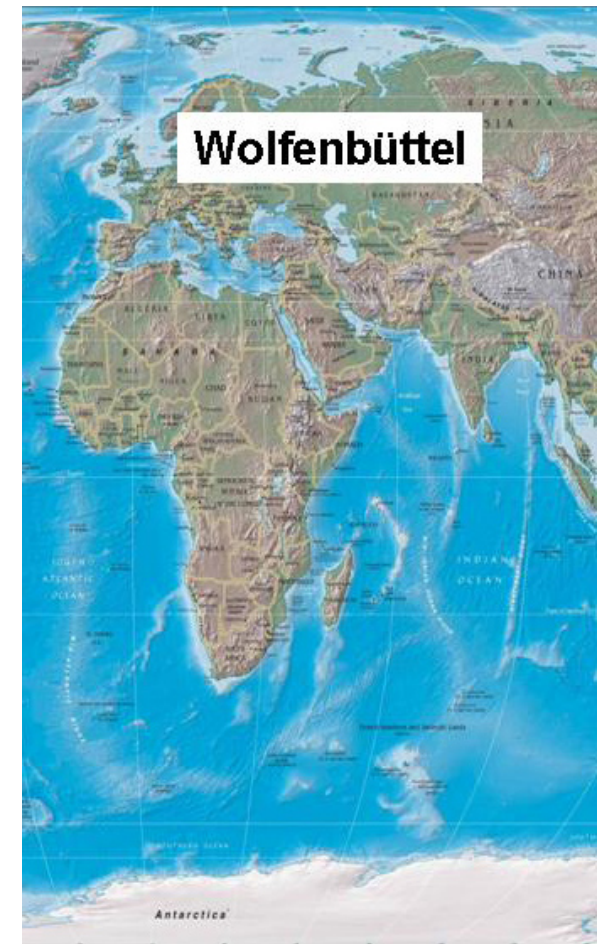


Your stay at  
**Ostfalia, University of Applied  
Sciences**  
Wolfenbuettel, Germany



**Wolfenbuettel**

The main campus of Ostfalia is in Wolfenbuettel. Its 55,000 inhabitants like having one of the largest renaissance palaces in Europe and a well-preserved historic city center.



Wolfenbuettel is surrounded by the cities of Braunschweig, Wolfsburg and Salzgitter. All of them are important industrial and research sites. The international airport in state capital Hanover can be reached in less than one hour. Going to German capital Berlin or to the important harbor for sea-going ships in Hamburg will last two hours by car or train. South of Wolfenbuettel the Harz mountains offer fantastic opportunities of spare time activities.



**In brief**

Your computer science options at Ostfalia:

- Undergraduates Systems Engineering
- Graduates Information Engineering
- Graduates Systems & Computer Engineering

Free selection based on learning agreement – please discuss your schedule in advance, because program may vary; Internship at Ostfalia or company

Terms:

- Spring: March to June
- Autumn: September to January

Costs:

- Airfare (depending)
- Housing approximately 300 Euros per month\*
- Meals approximately 300 Euros per month
- Health insurance 70 Euros per month
- Administrative fees 170 Euros per term

If there is a cooperation agreement between the two universities, tuition must only be paid at home university. No additional tuition needs to be paid at Ostfalia then.

\* A deposit may be requested.

For details about your stay at Ostfalia university please contact your international relations office or:

Prof. R. Gerndt  
Ostfalia University of Applied Sciences  
Department of Computer Science  
Am Exer 2 (office address), room 84  
E-Mail [r.gerndt@ostfalia.de](mailto:r.gerndt@ostfalia.de)

**Web** [www.ostfalia.de/i](http://www.ostfalia.de/i)

## Ostfalia University Computer Science

Ostfalia university was founded in 1971. Twelve faculties at four campuses offer a wide range of studies: Automotive technology, civil engineering, computer science, electrical engineering, health, law, logistics, mechanical engineering, social works, supply engineering and tourism. Currently, about 12.000 students from 73 nations study at Ostfalia.



The department of computer science (CS) in Wolfenbuettel offers bachelor programs in computer science, business informatics and digital technologies and a master program in computer science. Students may specialize in several subjects including information engineering, systems engineering and multimedia design.

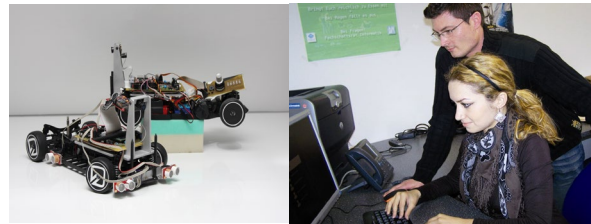
Ostfalia CS is involved in a number of robotics activities, e.g. the RoboCup robotic soccer. It has good relations to automotive, insurance, industrial automation and bio-engineering companies.

Impressum:  
Ostfalia, Fußballroboter, Studentenfoto 2: © Klaus Dammann, 2010; Modellautos: © Detlef Justen, 2010; Studentenfoto 1: © Carola Rieger, 2010; Schloss, Schiffe, Eisenbahn: © Reinhard Gerndt, 2010; Weltkugel: www.mygeo.info

## For Undergraduates

The department of computer sciences offers several classes concerning specification and design for automotive, aerospace and robotic technology systems for foreign and local students. The classes are suited for intermediate to advanced level undergraduate CS-students. Students attending the system engineering program should have a good understanding of at least one programming language - preferably JAVA - and the CS basics.

Students with good performance may extend their stay by a half-year internship at a German company.



Spring term:

- computer architectures
- operating systems and computer networks
- automata theory
- mixed reality
- principles of compiler design
- computer graphics

Autumn term:

- signals and systems
- process computing
- automata theory
- system on chip

For each class you can get 5 ECTS (European Credit Transfer System). Program may vary.

## For Graduates

The computer science faculty offers a two years CS master program. You can choose classes in Information Engineering (IE), Systems & Computer Engineering (CSE) and Software engineering (SE).

Class language is German.

The following classes are offered (but not all in each term):

3 Schwerpunkte		
Software Engineering	Information Engineering	Systems & Computer Engineering
User Interfaces für Mobile Systeme	Statistische Methoden	Robuste Systeme
Entwicklung großer Anwendungssysteme	Datenbanktechnologien	Robotik
SE-Projekt (Master)	Heuristische Suche	Verteilte Echtzeitsysteme
Architekturen moderner Informationssysteme	Angewandte Kryptografie	Innovative Rechnersysteme
Modellgetriebene Software-Entwicklung	Big Data	Location based Assistance
Scaled Agile and Continous Delivery	Maschinelles Lernen	Simulation und Verifikation
Effiziente Algorithmen	Fortgeschrittene Themen der IT-Security	Autonomous Systems
Wissenschaftliches Rechnen	Stream Processing	Automotive Systems
Fortgeschrittene Themen der IT-Security	Gesprächs- und Verhandlungsführung / -techniken	Gesprächs- und Verhandlungsführung / -techniken
Gesprächs- und Verhandlungsführung / -techniken	Insgesamt müssen 16 Module bestanden werden (ggf. auch überfachliche). Bis zu 2 Schwerpunkte können nach Antrag auf dem Zeugnis ausgewiesen werden, wenn jeweils mindestens sieben zugeordnete Module bestanden wurden.	

For each class you can get 5 ECTS.

For all our visiting students (Undergraduates and Graduates) we offer in addition in spring and autumn terms:

- German language for Computer Science
- Project depending on research interest
- electives

All content details you can find on our homepage:  
[www.ostfalia.de/en/i](http://www.ostfalia.de/en/i)