

The right place to study



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BACHELOR AND MASTER IN COMPUTATIONAL VISUALISTICS

What does Computational Visualistics involve?

How to create and edit images with the computer so that they can be understood and used by people.

Who studies Computational Visualistics?

Anyone with an interest in graphics and animation in information technology.

What do computational visualists do?

They design, simplify and enhance the collaboration between people and computers.

What is special about Computational Visualistics at Magdeburg?

The combination of Computer Science, Humanities and Engineering; the focal areas such as Medical Technology or Construction and Design.

Find out more

Bachelor's degree: www.inf.ovgu.de/b-cv

Master's degree: www.inf.ovgu.de/m-cv

BACHELOR AND MASTER IN COMPUTER SYSTEMS IN ENGINEERING

What does Computer Systems in Engineering involve?

How Computer Science can enable innovations in technical applications.

Who studies Computer Systems in Engineering?

Anyone who wants to understand how technical products come into being through the combination of hardware and software.

What do computer systems engineers do?

Develop new and improved products and processes in collaboration with engineers.

What is special about Computer Systems in Engineering at Magdeburg?

A Computer Science program that is tailored to engineering applications and permits a free choice of subjects from Mechanical Engineering, Electrical Engineering or Process Engineering.

Find out more

Bachelor's degree: www.inf.ovgu.de/b-ingif

Master's degree: www.inf.ovgu.de/m-ingif

BACHELOR AND MASTER IN BUSINESS INFORMATICS

What does Business Informatics involve?

How companies and administrations can be better organised and made more successful with the help of information technology.

Who studies Business Informatics?

Anyone with an interest in the combination of Computer Science and Business Administration.

What do business information scientists do?

Help organisations to work successfully, for example as consultants, systems administrators or process designers.

What is special about Business Informatics at Magdeburg?

The practical emphasis with plenty of laboratories and the world's largest SAP University Competence Centre.

Find out more

Bachelor's degree: www.inf.ovgu.de/b-wif

Master's degree: www.inf.ovgu.de/m-wif

MASTER IN DATA & KNOWLEDGE ENGINEERING

What does Data & Knowledge Engineering involve?

How useful knowledge can be retrieved from large quantities of data.

Who studies Data & Knowledge Engineering?

Anyone looking for an international program where they learn to understand data and make it understandable for others.

What do data & knowledge engineers do?

Data scientists make forecasts and recommendations, for example in medical research or Marketing.

What is special about Data & Knowledge Engineering at Magdeburg?

The close cooperation with companies and research facilities who possess large quantities of data containing valuable knowledge.

Find out more

www.inf.ovgu.de/m-dke

MASTER IN DIGITAL ENGINEERING

What does Digital Engineering involve?

How industry will continue to develop through new possibilities offered by Computer Science.

Who studies Digital Engineering?

Anyone wanting to expand the knowledge gained on their Bachelor program with a combination of engineering and computer science.

What do digital engineers do?

Drive forward digitalisation in industry, for example through automation and optimisation of production processes.

What is special about Digital Engineering at Magdeburg?

A high proportion of project work in interdisciplinary teams.

Find out more

www.inf.ovgu.de/m-de

STUDY INFORMATION AT A GLANCE

Your central point of contact for any questions on studying and the University of Magdeburg is the Campus Service Center: www.servicecenter.ovgu.de

OVGU on Tour

We attend all of the important educational fairs and will advise you on your choice of program: www.uni-magdeburg.de/ovguontour.html

Find out more about Otto von Guericke University

www.ovgu.de

Find out more about the Department of Computer Science

www.inf.ovgu.de

Visit us on Facebook

www.facebook.com/informatik-magdeburg

Contact our students directly

www.faraфин.de

Or simply visit us for the Campus Days or on Future Day. All dates can be found on www.ovgu.de/studium.

Computer Science Department



The research and teaching focus of the University of Magdeburg lies in Engineering, the Natural Sciences, Economics and Business and Medicine. In addition, Humanities provide the university, which was founded in 1993, with an essential complement for meeting the challenges of the modern knowledge society.

Over 14,400 students, of which over 2,200 come from international backgrounds, are enrolled in the nine departments in more than 80 different programs. This dynamic and cosmopolitan university offers state-of-the-art facilities, excellent supervision for students and a practical, hands-on education. The key areas of research and transfer at the university are interdisciplinary in nature and are effectively reinforced by nearby external research institutes.

KEY AREAS OF RESEARCH

- Dynamic Systems
- Neurosciences

KEY AREAS OF RESEARCH TRANSFER

- Automotive
- Digital engineering
- Renewable energies
- Medical technology
- Fluid bed technology

OTTO VON GUERICKE (1602-1686)

The University of Magdeburg takes its name from the founder of experimental physics and vacuum technology, Otto von Guericke. He lived from 1602 to 1686 and is possibly the city's most famous son. His interest in scientific principles and methods, as well as his commitment to the common good, are a model for and guiding principle of the university community.

SIX REASONS TO STUDY WITH US

Flexible programs

Our programs offer a large amount of freedom when it comes to choice of subjects: the number of mandatory modules on the Bachelor programs is small and our Master programs offer students an extraordinarily large amount of freedom to tailor their programs.

Diverse opportunities

There are over 120 elective modules available to our students and they can use state-of-the-art laboratories round the clock for research projects, learning groups, app and game development.

Practical semester in the Bachelor programs

The last semester in the Bachelor program is devoted exclusively to practical projects: our students go abroad, work in a company or research institution, or they prepare their own start-ups.

High marks in the university rankings

Our department always receives high marks in the CHE University Rankings. It has remained in the top group in the "general study conditions" category for many years.

Central campus university

Almost every university facility and department can be reached in just a few minutes on foot. The campus is located in the heart of the city, so that studying, living, shopping and nightlife are at most just a few tram stops apart.

Magdeburg – a city worth living in

In a national comparison of cities, Magdeburg has one of the greenest cityscapes, the most dynamic economic development and lowest living costs for students.



OUR MOTTO: PRACTICAL. PERSONAL. INTERDISCIPLINARY.

Practical

Our programs offer a comprehensive set of courses in key and methodological skills. A high number of workrooms and an integrated practical semester on all Bachelor programs underline the practical orientation.

Personal

There is close contact between students and teachers. Throughout their program, the subject advisers, mentoring programme and Department Student Council are all there to offer help to our students. We keep in contact with our graduates through our alumni program.

Interdisciplinary

In all programs our students expand their horizons in other subject areas too, such as the Humanities, Engineering or Medicine, preparing themselves in the process for work in modern, attractive careers.

Studying in the Department of Computer Science was just right for me, because it considerably strengthened my own skills. It helped me to develop self-confidence and to become a determined woman.

Tabea Menhorn, Bachelor in Computational Visualistics

I was amazed how easy it was to talk to all of the professors and staff. Every door was always open.

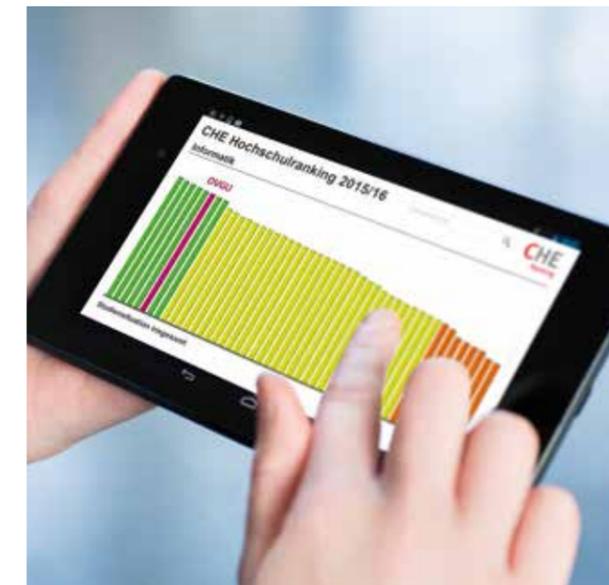
René Meyer, Bachelor in Computer Science

The department offers Bachelor and Master programs in Computational Visualistics, Computer Science, Computer Systems in Engineering and Business Informatics. The Bachelor programs comprise six semesters of study and one practical semester, and the Master programs last for three semesters. They lead to Bachelor of Science (BSc) and Master of Science (MSc) degrees respectively.

We also offer two four semester-long Master programs in Data & Knowledge Engineering and Digital Engineering. These have an international orientation with classes in both German and English.

Students can commence the program in either the summer or winter semester. All programs are accredited, and there are no admission restrictions.

Studying Computer Science at Magdeburg: At the top of the rankings for many years



What does Computer Science involve?

How computers can be of use – from the smartphone to cloud computing.

Who studies Computer Science?

Anyone who wants to familiarise themselves with the diverse subject of information technology and its possible applications.

What do computer scientists do?

Help other people to do their jobs and achieve their objectives with the help of information technology.

What is special about Computer Science at Magdeburg?

That you can choose more than half of the subjects you study yourself, and can specialise in a particular direction.

Find out more

Bachelor's degree: www.inf.ovgu.de/b-inf

Master's degree: www.inf.ovgu.de/m-inf

SPECIALIST TRACKS IN THE BACHELOR IN COMPUTER SCIENCE PROGRAM

As part of your program in Computer Science you can choose to specialise in a particular study track.

Computer Games study track

On this track you learn how computer games are developed, and you can swap know-how and knowledge with like-minded people in the "Acagamics e.V." society.

Forensic Design@Computer Science study track

On this track students learn how to analyse traces from real and digital crime scenes with computer-supported methods and modern sensor technology.

Learning Systems/Biocomputing study track

On this track students teach computers how to learn like human beings and intelligently adapt to their environments.

Web Founder study track

Web founder students develop promising business ideas for the internet and during their studies begin preparing to establish their future start-ups.

Find out more

www.inf.ovgu.de/inf-profile