

The right place to study



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BACHELOR'S AND MASTER'S PROGRAMS IN COMPUTATIONAL VISUALISTICS

What is Computational Visualistics concerned with?
How to generate and process images with a computer so that they can be understood and used by people.

Who studies Computational Visualistics?
Anyone who is interested in graphics and animations in information technology.

What do Computational Visualistics graduates do?
Shape, simplify and improve the cooperation between people and computers.

What is special about Computational Visualistics at Magdeburg?
The combination of computer science, humanities and technology; the focal areas such as medical technology or construction and design.

Find out more
Bachelor's program: www.inf.ovgu.de/b-cv
Master's program: www.inf.ovgu.de/m-cv

BACHELOR'S AND MASTER'S PROGRAMS IN COMPUTER SYSTEMS IN ENGINEERING

What is Computer Systems in Engineering concerned with?
How information 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 in Engineering graduates do?
Develop new and improved products and processes together with engineers.

What is special about Computer Systems in Engineering at Magdeburg?
A computer science degree that is tailored to engineering applications and allows a free choice of mechanical engineering, electrical engineering or process engineering subjects.

Find out more
Bachelor's program: www.inf.ovgu.de/b-inginf
Master's program: www.inf.ovgu.de/m-inginf

BACHELOR'S AND MASTER'S PROGRAMS IN BUSINESS INFORMATICS

What is Business Informatics concerned with?
How companies and administrations can be better organized and more successful with the help of information technology.

Who studies Business Informatics?
Anyone who is interested in the combination of computer science and business management.

What do Business Informatics graduates do?
Help organizations 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 Center.

Find out more
Bachelor's program: www.inf.ovgu.de/b-wif
Master's program: www.inf.ovgu.de/m-wif

MASTER'S PROGRAM IN DATA AND KNOWLEDGE ENGINEERING

What is Data and Knowledge Engineering concerned with?
How useful knowledge is retrieved from large quantities of data.

Who studies Data and Knowledge Engineering?
Anyone wanting to learn how to understand data and make it intelligible to others in an international degree course.

What do data and knowledge engineers do?
Data scientists make forecasts and recommendations, for example in medical research or marketing.

What is special about Data and Knowledge Engineering at Magdeburg?
The close cooperation with companies and research institutions that possess large quantities of data containing valuable information.

Find out more
www.inf.ovgu.de/m-dke

MASTER OF DIGITAL ENGINEERING

What is Digital Engineering concerned with?
How industry will develop through the new opportunities presented by computer science.

Who studies Digital Engineering?
Anyone wishing to extend the knowledge obtained during their Bachelor's degree with a combination of technology and computer science.

What do Digital Engineers do?
Advance the digitalization of industry, for example through automation and optimization of production processes.

What is special about Digital Engineering at Magdeburg?
An extraordinarily high proportion of project work in interdisciplinary teams.

Find out more
www.inf.ovgu.de/m-de

STUDENT INFORMATION AT A GLANCE

The central point of contact for all questions about our programs and about the University of Magdeburg is the International Office: www.ovgu.de/international

Find out more about Otto von Guericke University
www.ovgu.de

Find out more about the Faculty of Computer Science
www.inf.ovgu.de

Visit us on Facebook
www.facebook.com/informatik-magdeburg

Contact our students directly
The "Faculty Student Council in the Faculty of Computer Science" (FaRaFIN for short) is the elected representative body of students in the Faculty of Computer Science (FIN) at the university. www.farafin.de/ueber-uns/mitglieder

FACULTY OF COMPUTER SCIENCE



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In terms of research and teaching, Otto von Guericke University Magdeburg (OVGU) focuses on engineering and the natural sciences, economics and business, plus medicine. In each case mathematics reliably provides the essential foundations. The university, which was established in 1993, also believes that the humanities provide an essential complement for meeting the challenges of today's knowledge based society.

Around 14,000 students, including over 3,000 international students, are enrolled in over 100 programs across the nine faculties. As a dynamic and cosmopolitan university, OVGU offers state-of-the-art facilities, excellent student support and a practical, hands-on education. The university's main areas of research and knowledge transfer are interdisciplinary in nature and strengthened by the neighboring non-university research institutes.

KEY RESEARCH AREAS

- Dynamic Systems and Biosystems Technology
- Neurosciences

KEY KNOWLEDGE TRANSFER AREAS

- Automotive
- Digital Engineering
- Renewable Energies
- Medical Technology
- Fluidized Bed Technology

OTTO VON GUERICKE (1602-1686)

The University of Magdeburg owes its name to the founder of experimental physics and vacuum technology, Otto von Guericke. He lived from 1602 to 1686 and, along with Emperor Otto I and the Baroque composer, Georg Philipp Telemann, is among the most famous personalities to originate from the state capital of Saxony-Anhalt. His interest in scientific connection and methods, and his commitment to the common good are examples that the university community strives to follow.

SIX GOOD REASONS TO STUDY WITH US



Flexible study

Our programs offer plenty of freedom in terms of subject selection: the number of mandatory modules in the Bachelor's programs is small and our Master's programs offer students a lot of flexibility to tailor their courses to their interests.

A multitude of opportunities

Our students can choose from more than 120 elective modules and use 24 state-of-the-art laboratories for research projects, learning groups, and app or game development which are available to them around the clock.

Practical semester during the Bachelor's degree

The last semester of a Bachelor's degree is solely dedicated to practical experience: our students go abroad, work in a company or research institution, or lay the groundwork for their own start-ups.

Good grades in university rankings

Over the last few years, our faculty has achieved top positions in German university rankings because we place our focus on teaching, our technical facilities are excellent.

www.inf.ovgu.de/Fakultät/Rankings.html

Central campus university

Almost all university institutes and faculties can be reached on foot in just a few minutes. The campus is located at the heart of the city, so that places of study, residences, shopping and nightlife are at the most just a few tram stops apart.

Magdeburg - a great place to live

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



Studying in the Faculty 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's degree in Computational Visualistics

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

René Meye, Bachelor's degree in Computer Science

OUR MOTTO: PRACTICAL. PERSONAL. INTERDISCIPLINARY.

Practical

Our degrees offer a wide spectrum of key and methodological skills. A large number of workrooms and the inclusion of a practical semester as part of every bachelor's course underline the practical nature of our programs.

Personal

At OVGU there is close contact between the students and teachers. Throughout their course work, subject advisers, mentoring programs and the Faculty Student Council are all there to offer help to our students. And we maintain contact with our graduates through our alumni program.

Interdisciplinary

On every course, our students expand their horizons in other subject areas too, such as the humanities, engineering or medicine, and in this way prepare themselves for working in modern, attractive professions.

The faculty offers Bachelor's and Master's programs in the following subjects: Computer Science, Computational Visualistics, Computer Systems in Engineering, and Business Informatics. The Bachelor's programs comprise six semesters of study and a practical placement semester, and the Master's programs last for three semesters. They lead to the degrees of Bachelor of Science (B.Sc.) and Master of Science (M.Sc.), respectively.

We also offer four-semester Master's programs in Data and Knowledge Engineering as well as Digital Engineering. These have an international orientation and classes are taught in both German and English.

It is possible to commence the faculty's programs in both summer and winter semesters. All programs are accredited, and there are no admission restrictions.

All bachelor's courses can also be studied as dual study courses.



What is Computer Science concerned with?

How the computer can be of use - from the smart phone to cloud computing.

Who studies Computer Science?

Anyone interested in learning about the diversity of information technology and its possible applications.

What do computer scientists do?

They help other people to complete their tasks and achieve their goals with the help of information technology.

What is special about Computer Science at Magdeburg?

The opportunity to freely choose more than half of your courses and specialize in a particular area.

Find out more

Bachelor's program: www.inf.ovgu.de/b-inf
 Master's program: www.inf.ovgu.de/m-inf

SPECIFIC TRACKS ON THE BACHELOR OF COMPUTER SCIENCE DEGREE

As part of your degree in computer science you can specialize in a specific track.

Computer Games track

Here you can learn how computer games are developed, and you can exchange knowledge and experience with like-minded students in the "Acagamics e.V." club.

Forensic Design@Computer Science track

This track deals with analyzing traces from real and digital crime scenes with the help of IT-supported methods and modern sensor technology.

Learning Systems/Biocomputing track

Here you can teach your computer to learn like a human being and adapt intelligently to its environment.

Web Founder track

Web founder students develop promising business ideas for the Internet and prepare to set up their own companies during their studies.

Find out more

www.inf.ovgu.de/inf-profile