Otto von Guericke University Magdeburg









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www.mdcc.de

EDITORIAL



Welcome to the University of Magdeburg. High-achieving, dynamic, ambitious, international and with research-led teaching, Otto von Guericke University (OVGU) is one of Germany's newer universities. Our research and teaching focuses are engineering and the natural sciences, economics and business, and medicine. With these course offerings complemented by forward-looking humanities subjects, in its 25 years of

existence, the university has acquired an excellent reputation, both at home and abroad. Over 14,000 students are enrolled in more than 80 programmes, some of which are quite unique. The 200-plus professors see themselves as dedicated communicators of knowledge and trailblazers in empowering students to be able to attain successful careers. Every year the university produces around 2,700 highly qualified graduates.



Credits

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Represented by the President,
Prof. Dr.-Ing. Jens Strac

Prof. Dr.-lng. Jens Strackeljan Tel.: +49 (0)391 6701 Email: rektor@ovgu.de www.ovgu.de Edited by: Marie Krebs, Conrad Engelhardt Production: DATEs Medien Verlag GmbH, Karolin Gillert

CAPITAL CITY



Magdeburg is the capital of Saxony-Anhalt. The state is located in eastern Germany. The city is 150 km from Berlin, a good 230 km from Dresden and almost 300 km from Hamburg.

city is easy to get around and not too big. Magdeburg is a comfortable, affordable, and safe place to live. The cost of studying is low, and crime rates are also low in comparison with other metropolitan areas.

Magdeburg has many faces. It is a city on the move – dynamic, personal, multicultural

and full of contrasts.

Everywhere, the changes that have taken place over its two thousand years of history

years of history have left their unmistakable mark. The architecture of this 240,000-strong city is characterised by medieval castle buildings, enchant-



With a quarter of a million residents, Magdeburg has a reasonable size perfect for enabling students fully concentrate on their studies A Great History It is not as obvious from today's modern city, but Magdeburg is one of the oldest towns in Germany. As long ago as the 9th century, there was a mighty Statue of Emperor Otto

ing villas from the era of industrial expansion in the late 19th century. Modern buildings have largely replaced the destruction brought by the Second World War. Magdeburg is also a green city with plenty to do such as picnicking in the park, taking a stroll by the river or enjoying a night out.

Sometimes I see deer, foxes and rabbits running around in the wild area near the Wissenschaftshafen (Science Port).



as the town was still known at the time, was a centre of power in medieval Europe and made a name for itself with its free trade and progressive legal system. In the 16th century, it was the first major city to proclaim its support for the reformatory beliefs of Martin Luther and defended the new religious movement against the forces of the Holy Roman Emperor. During this religious war, the city was completely struction was organised by the

border fortress on

the banks of the Elbe. Later, the

first German Emperor, Otto 1th,

chose Magdeburg as his pre-

ferred residence. Magadoburg,

Otto von Guericke, to whom the

university owes its name.

OTTO VON GUERICKE UNIVERSITY



International, student-friendly and strong in research, the University of Magdeburg has an excellent reputation across the world. Traditionally, our main areas of focus are engineering and the natural sciences, along with medicine. The university and its courses in Mathematics and Computer Science regularly reach the higher echelons of renowned

ranking lists. Many of the courses of study offered in

This is an institution with a great international orientation, well-structured, distinguished courses and opportunities.

science and the humanities are also unique within Germany. Due to the bilingual availability of certain programmes, they are also highly attractive internationally. Alongside the varied range of courses on offer, the appeal of the university is thanks to its outstanding infrastructure and excellent staff-student ratio. The

campuses stand out because of their compact size and proximity to the city centre. The cafeterias offer a variety of options including multiple healthy choices. The university library is a central

hub for all students. The state-of-the-art building provides free access to an outstanding catalogue of research literature. Today, one





in six students comes from another country. This makes the campus international and student life colourful. Influences from more than 100 countries enrich the theoretical and practical education of young women and men at the university.

ternational stude

ic air pressure alone was holding together – two halves of a copper sphere created by Guericke.
Otto von Guericke pumped out all of the air.

and electrostatics, and conduct-

ed experiments on air pressure,

vacuums and electricity. In 1654 he fascinated the world with

his hemisphere experiment at

the Imperial Diet in Regensburg. Sixteen horses could not break apart something that atmospher-

ADMISSION REQUIREMENTS



In order to study at the University of Magdeburg you will need a certificate providing evidence of the level of education you have attained so far and which entitles you to study in Germany. To commence studying for a Master's degree, you must already have obtained a first academic degree. The recognition of qualifications varies according to the country of origin. For many courses, additional subject

requirements apply, or there may be a limit to the number of admissions. Furthermore, for some courses, practical experience is required before you can begin your studies. Whether or not an applicant may be admitted will only be decided after his or her application documents have been examined.

Preparatory College

Not every secondary school diploma obtained abroad is enough to entitle its holder to study in Germany. Foreign applicants without a recognised diploma who wish to study at the University of Magdeburg may apply to the state preparatory college or one of the private preparatory colleges in Magde-



dienkolleg der Wirtschaft (European Preparatory College for Economics)). In order to ensure that applicants are able to successfully participate in the courses, they must complete an entrance examination in German and, when applicable, Mathematics. Applicants to MDWI's preparatory college may commence their course without any prior knowledge of the German language.

structure. Alejandro Gonzales, Colombia,

Mechanical Engineering

Magdeburg has got an excellent tram system and a very nice infra-

LANGUAGE SKILLS



Language of instruction – German

The majority of courses at the University of Magdeburg are taught in German. This means that rule applicant must have passed one of the following examinations:

» Deutsche Sprachprüfung für den Hochschulzugang ausländischer Studienbewerber (German language



- » Test DaF (all four parts at least to level 4)
- » Deutsches Sprachdiplom der Kultusministerkonferenz (German language diploma of the Standing Conference of the Ministers of Education and Cultural Affairs of the Federal States), level 2
- » "Prüfungsteil Deutsch" (German Examination) as part of the entrance examination at preparatory college
- » Goethe Certificate C 2: 'Großes Deutsches Sprachdiplom' (Major German Language Diploma), from 01.01.2012
- » telc German C1 University
- » Applicants who have not passed any of the above-mentioned examinations must prove their





language skills with a level B1 certificate. After passing the intensive course at the University of Magdeburg, you may then commence your studies.

Language of instruction — English

Many international Master's degree programmes and one Bachelor's degree programmes are offered in English. For this you must provide evidence of adequate mastery of the English language, as a rule at level B2 or C1 of the Common European Framework of Reference for Languages. Native speakers from Great Britain, Ireland, Canada, USA, Australia and New Zealand are exempt from this rule, as well as holders of certain English-language secondary school diplomas and Bachelor's degrees. The following certificates are recognised:

- » TOEFL Test
- » IELTS
- » CAE (Certificate of Advanced English)
- » GMAT/GRE for courses offered by the Faculty of Economics and Management

http://www.ovgu.de/International/

Studium+Incoming/

Everyone is very familiar with everyone else and even teachers talk to us like we're friends.

Anna Todorova from Ukraina, European Studies

STUDY AT OVGU



An excellent study environment

The University of Magdeburg is a campus university. We have nine faculties and a multitude of renowned research partners. However, we still prioritize offering individual support and advice to each student. The professors know their students personally. The focus of research and



teaching is on engineering and the natural sciences as well as medicine and economics. The range of subjects is complemented by innovative courses in economics and business and forward-looking humanities subjects. Students learn in modern, well-equipped lecture halls, while research and experimentation takes place in our brand new laboratories and workshops. Students have the choice of over 80 courses. Many of which are interdisciplinary. Subjects range from computational visualistics, medical technology and mechanical engineering to mathematical engineering. The number of English-language programmes and programmes with an international orientation is constantly growing, and some are unique in the whole of Germany. The Bachelor's and Master's programmes in technical subjects enjoy an excellent reputa-



tion worldwide and are especially in demand. The University of Magdeburg has an above average number of over 16 percent of foreign students and around 11 percent foreign lecturers – a sign of the increasing internationalisation of the university.

I chose Magdeburg because it was one of the few cities offering a bilingual Bachelor's degree.





foreign students gives the University of Magdeburg an international profile. The Bachelor's and Master's courses in technical subjects, which enjoy an excellent reputation worldwide, are in high demand. To secure your place at the University of Magdeburg, you will need to meet certain

www.ovgu.de/Internationale_ Studieninteressierte/Studienprogramm+im+Überblick.html

ACADEMIC RESEARCH



Otto von Guericke University is a dynamic, strong research institution with a worldwide reputation, and we see ourselves as a pioneer of technological developments and a pacesetter beyond regional borders. Our research activities are characterised by scientific curiosity and

engineering expertise combined with social responsibility and global thinking. The key areas of research focus are currently the neurosciences and complex dynamic systems. Medical technology, fluidised bed technology, biosystems technology, automotive, digital engineering





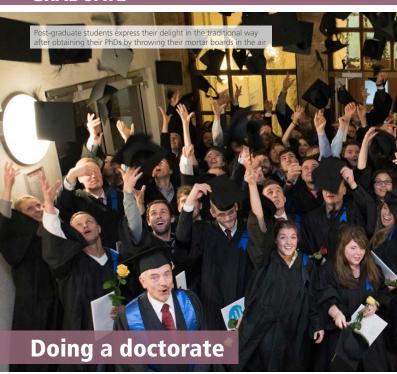
the main areas of research transfer. Through this process, the university cooperates in many projects with renowned external research institutions and companies. www.ovgu.de/en/Research.html

We don't just test, we create science. Vlady Buriakovskyi from Ukraine, Digital Engineering

has an outstanding reputation worldwide. German engineers are known for inspiring new technologies and technical solutions which result in a higher quality of life, a better environment, and an increased level of prosperity. In Magdeburg, this fascination with technology has driven engineering research for over half a century. In this context. Otto von Guericke University sees itself as a think tank for technology that offers convincingly high standards of technical expertise. The education and training in engineering is innovation-driven. Our industrial partners include small and medium-sized local companies as well as global players in the automobile industry, mechanical engineering and renewable

energy fields.

GRADUATE



After completing a Master's degree, young scientists are free to commence their doctoral studies. Interesting projects are waiting to be explored in every institute of the university and the other research institutions in Magdeburg. Developing new methods, inventing new technologies and answering new

questions – interesting topics for students' first independent research work are easy to find. Last but not least, the four external research institutions in Magdeburg also offer the opportunity to work on interdisciplinary problems. Engineering and the natural sciences provide the foundations for the Max Planck





Institute for Dynamics of Complex Technical Systems, the Fraunhofer Institute for Factory Operation and Automation, the Leibniz Institute for Neurobiology and the Helmholtz Centre for Environmental Research. The Graduate Academy is an important point of contact for all PhD students and their supervisors. www.grs.ovgu.de

The professor gave me a lot of support during my PhD.



Magdeburg International PhD Students

This initiative was set up by PhD students for PhD students. It is committed to facilitating the social and academic



integration of young scientists. Excursions, cultural and sporting events and contact with regional enterprises are organised on a regular basis.

www.mins.ovau.de

ARRIVAL



When you first arrive in a unknown, big city, there will be a lot of things that are new an unfamiliar. At this point, that students from IKUS Intercultural Students get involved and assist new arrivals as they take their first steps in Magdeburg. They provide important help with orientation in the first few.

weeks of the semester. During your entire stay they are a useful point of contact in all situations. In the same way, the buddies from the Department of International Affairs (RIA) provide personal help and support if you encounter





any difficulties in your everyday life or studies. This makes registering with the city, taking out health insurance or looking for somewhere to live much easier and means that new students can concentrate fully on getting settled in Magdeburg.





the campus and everyday life as a student, help them to learn German or deal with any complicated administrative issues. Often new friendships are made during these few days that continue after students leave the university. www.ovgu.de/Internationale_Studieninteressierte/Organisation+des+Aufenthalts.html

LIVING



In Germany, the cost of living is often quite high. In many university towns, accommodations for students are becoming more expensive than ever and harder to find. However, in Magdeburg there are still numerous opportunities for students to find a cheap place to stay – whether

in the student union residence hall, in a studio apartment, in your own flat, or in a

ing a few minutes away from everything that is happening is the best.



student flatshare. No matter which part of the city your new home is located – the journey to the university, city centre or the Elbe by tram, bus or bike is always a short one.

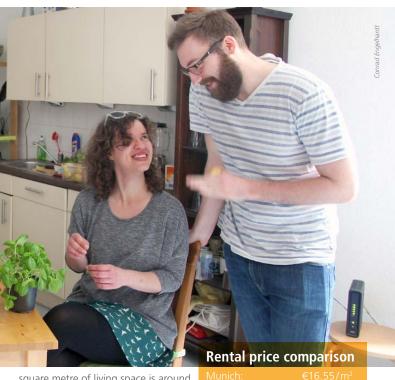
Residence halls

The state-run student union has almost 1,500 spaces in their Magdeburg residence halls. They are very popular among foreign students due to their central location and economical value. Rooms of 20-25 m2 cost € 220-240, including all associated costs.

www.studentenwerk-magdeburg.de

Own studio apartment

One or two-room studio apartments are ideal for young people who want to live alone. The restored old buildings in the city have charm and offer you the chance to live "at the heart of things". The price per



square metre of living space is around € 6 plus the costs for electricity and heating. That is only half as much as in major German cities such as Berlin or Munich.

www.immobilienscout24.de

Room in a flatshare

Those who prefer to live with a "substitute family" can apply directly with the occupants for one of the numerous free rooms in a flat-share. In the kitchen – the heart of almost every flatshare – there is always someone to talk or cook with. This often leads to a feeling of belonging that can only have a positive influence on your studies. www.wg-gesucht.de

 Munich:
 €16.55/m²

 Frankfurt am Main:
 €13.37/m²

 Cologne:
 €11.50/m²

 Berlin:
 €11.42/m²

 Hamburg:
 €11.37/m²

 Maddeburg:
 €6.07/m²

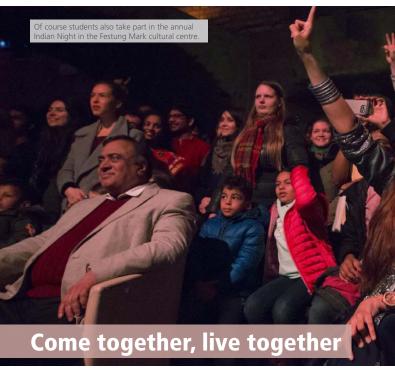
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COMMUNITY

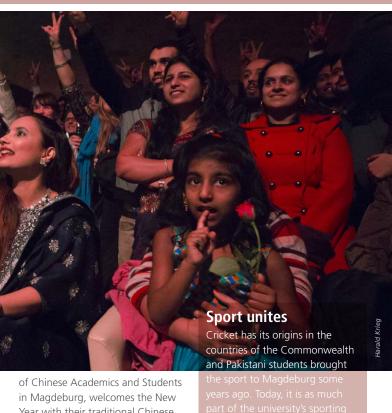


The foreign students at Otto von Guericke University come from over 100 nations from every continent. The majority are Indian, Chinese, Ukrainian and Pakistani. They have set up their own communities on campus, and play, pray, celebrate and cook traditional meals from their home countries together. The events organised by the student

associations on national holidays are great introductions to other cultures and bring a strongly cosmopolitan flavour to Magdeburg. For example, the Magdeburg Indians e.V., with its 1000 active members, holds one of the largest national festivals in the city with its annual Indian Night, where the Indian culture is celebrated with their guests. The Association







of Chinese Academics and Students in Magdeburg, welcomes the New Year with their traditional Chinese New Year celebration. During the Country Nights event, the Pakistani students amaze with their traditional food and dancing. Together with their Indian colleagues, they have also brought their national sport, cricket, to Magdeburg.

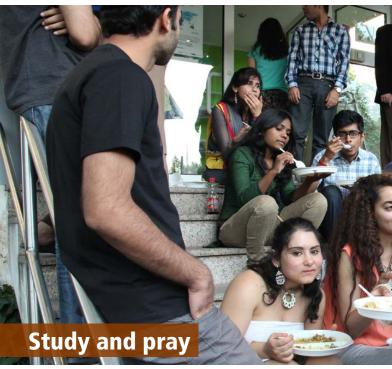
I have many Indian and international friends. It's almost like being at home.



the sport to Magdeburg some years ago. Today, it is as much part of the university's sporting life as football, rowing and triathlon. Cricket at the university is played as part of the Otto Cricket League and is especially popular with students from India, Pakistan and Bangladesh. American Football and Baseball also have their fans in Magdeburg. Students can also join the flag football team, the Magdeburg Virgin Guards.

Adnan batting

RELIGIONS



The majority of Magdeburg residents have no religious affiliation, yet practically every world religion is represented in the city. The congregations are open to foreign students. The university encourages tolerant religious worship.

Protestant Student Community (ESG)

As well as students from Germany, the ESG also has active

Gökay Gönen from Turkey, Electrical Engineering &

Information Technology

It's a custom for us to meet up after praying together. I have many unforgettable memories.

members from Syria, India, Pakistan, Bangladesh and Cameroon. Services are held in German as well as bible study groups organised by students and held in their own languages. In addition, the ESG offers advice, for example, in the event of financial problems.

http://esg-magdeburg.de

Islamic Community

Dr. Moawia Al-Hamid is not only the Imam and first Chairman of the Islamic Society, but also a lecturer at the University of Magdeburg. The community centre is located close to the campus. Hundreds of worshippers regularly attend Friday prayers at the mosque. www.isgema.de

Jewish Synagogue Association

The Jewish community is awaiting the construction of its new syna-



gogue. The 500 members, including many students, are very active. The youth club meets monthly. www.sg-md.org

Russian Orthodox Community of All Saints

The community led by archpriest Boris Ustimenko has 300 members. The majority are late emigrants of ethnic German origin from Russia.

Students are welcome.

Buddhist Centre Arya Tara

On Sundays, the centre invites worshippers to participate in devotions, and, on Wednesdays, there is meditation with the monks from the Ganden Tashi Choeling Monastery School. www.tashi-choeling.de/magdeburg.html

denominations. The members of the university are committed to diversity and tolerance and reject any type of discrimination. Diversity of opinion, mutual respect and enlightened thinking are very important to us. We are committed to complete political and legal equality between men and women. All members of the university have the freedom to

practice their religion.

The Muslim community of Magdeburg at Friday prayers

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CULTURE & SPORT



As the capital of a federal state, Magdeburg offers a correspondingly broad range of cultural activities. The theatre is at the heart of it all, with its own ensembles for ballet, musical theatre, plays and concerts. It enjoys a good reputation worldwide. In the home town of the Baroque composer George Philipp Telemann, the Magdeburg Philharmonic Orchestra is also especially famous. It regularly puts on large symphony concerts and special performances with important soloists and guest conductors. Magdeburg is also a city of puppetry and has a municipal puppet theatre, which also puts on productions for adults





that are well worth seeing.
The varied cabaret scene in the city is also worth a mention. The superstars of rock and pop music may only visit the city occasionally, but the calendar of events is still full to bursting. The pinnacle of which is

the various open air concerts that take place in the city's parks, with tens of thousands of visitors.

The people here are really welcoming, friendly, helpful and kind — a land of opportunities for me.



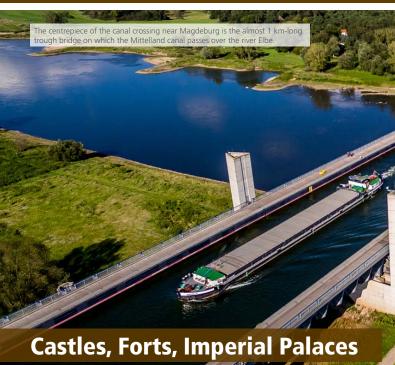
activities available to try! Sports are the perfect balance from the



In Matthias Musche, OVGU students have a representative on the team of SC Magdeburg.

mental effort of studying and are tailored to the interests of men and women, both hobbyists and professionals. The city of Magdeburg has two big sports clubs. The handball players from SC Magdeburg play successfully at both national and international levels. The home games of the professional footballers from 1. FC Magdeburg are regularly played in front of over 20,000 loyal fans.

COUNTRYSIDE



Of all the German states, the federal state of Saxony-Anhalt is among the richest in terms of monuments. The region between the Harz Mountains and the Elbe is a "heartland of

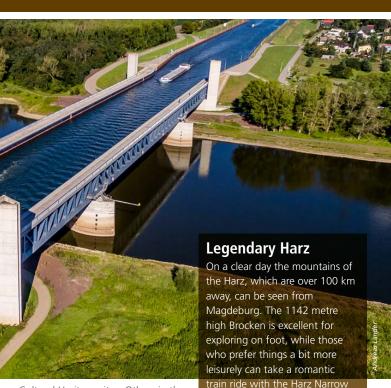
Nebra Sky Dis

German history" where countless historical locations can be discovered. For example, the 3600 year-old bronze "Nebra Sky Disc", is the world's oldest depiction

of the cosmos and is a unique historical artifact of human history. Just an hour away from Magdeburg is Wittenberg, where in 1517 the Augustinian monk, Martin Luther.

nailed his 95 theses to the door of the castle church, initiating the Reformation in the process. Today the Luther memorials in Eisleben and Wittenberg are important UNESCO World





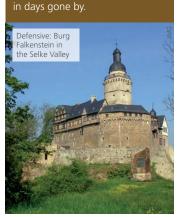
Cultural Heritage sites. Others in the area include the Dessau Bauhaus, the old town of Quedlinburg with its collegiate church and castle, and the Garden Kingdom of Dessau-Wörlitz. There are splendid churches and castles, forbidding fortresses and over 1000 year-old royal palaces to be discovered on day trips around the

state capital of Magdeburg.

In Magdeburg.

Magdeburg by cycling in the nearbycity. So green and peaceful!

Gowtham Chandranna from India, Electrical Engineering and Information Technology



Gauge Railway. The trains, which

are pulled by billowing steam

locomotives, travel right to the

summit! A magnificent experi-

ence indeed! The Harz is also

Defensive fortresses, ancient

mines and medieval half-tim-

bered towns bear witness to life

a legendary cultural landscape.

BUSINESS OPTIONS



After the successful completion of a university degree, the German labour market also welcomes international graduates. Students should attempt to obtain references in their own occupational fields during their studies and polish their German language skills to improve their prospects in the labour market after graduation. From helping students



craft a solid curriculum vitae to making local industry contacts, the Careers Service of the University of Magdeburg provides support to international students for their future career. Coaching sessions and individual consultations take place on a regular basis, and are targeted at the specific requirements of companies around Magdeburg. These are constantly changing in response to the needs of the labour force with local companies also seeking to attract a growing number of international applicants. Above all, there are a large range of potential employers With 5,000

for graduates in technical subjects such as Computer Science, Electrical With

with 5,000 employees in Magdeburg, Enercon builds the largest wind turbines in the world



Engineering and Mechanical Engineering in and around Magdeburg.
These include FAM, IFA Rotorion and IBM, some of which have additional sites in Germany and abroad.
Such companies offer students the opportunity to develop a career after graduation while working in multinational teams with experts on pioneering

projects.

The university also provides a lot of student jobs, which is great for field skills and a practical approach.



the financial industry, specifically for e-trading systems, market data and risk management. The employees of the company are on average 30 years of age and come from 14 different countries Eleven languages are spoken in their offices. The management team focuses on team work and an international workforce – key assets for the world of tomorrow

www.guinsol.de

is lean software solutions for

The Denkfabrik (Think Tank) in the

Wissenschaftshafen (Science Port)

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STUDENT & MICRO LIVING



4 TYPES OF 1-ROOM-APARTMENTS

- » Just 1 minute to the university
- » Tram station in front of the building
- » City center with bars, cafés, shopping facilities and many more around the corner
- » 10 minutes to the rail station
- » 10 minutes away from the popular and trendy neighbourhood
- » For just additional 15,- € per month also furnished available
- » incl. operating and heating costs and Wi-Fi
- » new kitchenette incl. fridge and modern bathroom







