



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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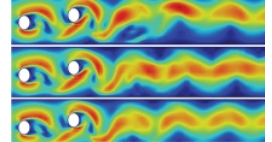
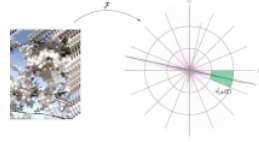
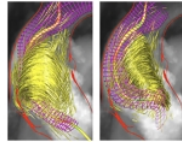
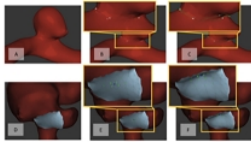
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# Master's degree



## Visual Computing

Otto von Guericke University Magdeburg • Magdeburg



## Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	The entire programme is in English.
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	31 May
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	The Master's in Visual Computing at Otto von Guericke University Magdeburg provides a world class education in visual computing with a particular emphasis on visualisation, computer graphics, and computer vision. With state-of-the-art facilities, a broad and research-oriented curriculum, and a small number of students, the programme provides an excellent preparation for a career in visual computing in both industry and academia.

## Course Details

Course organisation	The programme consists of four semesters of in-class teaching and project work. The first semester lays the groundwork by ensuring that students have the required breadth and depth for the remainder of the programme. For this, they take foundational courses in areas of visual computing to which they have not yet been exposed. In the second semester, students deepen their knowledge of visual computing by taking more specialised courses, for example, on flow visualisation, medical
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imaging, augmented and virtual reality, flow simulation, or object recognition. This is continued in the third semester and complemented by a research-oriented project, typically carried out in small groups, where students demonstrate their ability to creatively apply the tools of visual computing to solve open-ended problems. In the fourth semester, the focus is on the research for the Master's thesis.

A sample study plan can be found below.

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A Diploma supplement will be issued	No
Integrated internships	None
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

## Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	Currently, the semester fee is 155.20 EUR. It covers services offered by the "Studentenwerk" (student union) and the student representatives. Enrolled students receive a semester ticket for free use of public transport, student discounts in the campus cafeteria, etc.
Costs of living	A minimum of 861 EUR per month must be budgeted for accommodation, cost of living, health insurance, books, and miscellaneous expenses. In comparison with many other towns and cities, the rental prices in Magdeburg are still relatively low. There are no tuition fees for the majority of programmes, and the semester fee already includes the cost of bus and tram travel within Magdeburg. The following link provides a fair picture of the cost of living in Magdeburg: <a href="#">Finance</a> .
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	The university provides a limited number of excellence scholarships. Eligible candidates are students in advanced semesters who clearly show above-average results. Scholarships cannot be provided for new students.

## Requirements / Registration

Academic admission requirements	<ul style="list-style-type: none"> <li>• Average grade of 2.5</li> <li>• GRE test score</li> <li>• Letter of recommendation</li> <li>• Motivation letter</li> </ul>
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(A GRE test score is not mandatory, but a score based on the GRE test results, the letter of recommendation and the motivation letter will be used to determine admission.)

Language requirements	English language certificate (C1 or equivalent)
Application deadline	31 May
Submit application to	<a href="https://my.uni-assist.de">https://my.uni-assist.de</a> (Please search for "Master Visual Computing")

## Services

Possibility of finding part-time employment	It is possible to find a part-time job as a research or student assistant at one of the faculties or in the university administration (maximum: 80 hours per month). Other opportunities are student jobs at different companies, restaurants, and shops. Information on how to find a job can be found on our website: <a href="#">Career Service</a> .
Accommodation	<p>The "Studentenwerk" (student union) in Magdeburg manages the on-campus halls of residence (mostly one- to four-room apartments). Currently, the monthly rent ranges from 200 to 370 EUR per room (approx. 12 to 35 square meters), depending on the size and furnishing. Rooms in the halls of residence are limited in number. The accommodation application can be found on the website of the Studentenwerk.</p> <p>The Studentenwerk assists all new students in finding adequate accommodation, either on or off campus. Private accommodation is available on the Magdeburg accommodation market. However, fully furnished units are in somewhat short supply.</p>
Support for international students and doctoral candidates	<ul style="list-style-type: none"><li>• Buddy programme</li></ul>
Supervisor-student ratio	The ratio is approximately 35 students per professor and five students per doctoral candidate (who are involved in the supervision).

— Otto von Guericke University Magdeburg —



Otto-von-Guericke-Universität Magdeburg

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Otto von Guericke University Magdeburg (OVGU) was founded in 1993 and is one of Germany's youngest universities. It was formed by a merger of the existing technical university, the teacher training college, and the medical school. The university now comprises nine faculties and about 14,000 students and is becoming increasingly more important as a centre for education and research. It plays an important role in the regional capital of Magdeburg, which is developing into a centre for business, scholarship, and culture. The university is a member of many organisations and committees. It is named after Otto von Guericke (1602-1686), Magdeburg's famous citizen, whose pioneering research into the vacuum brought him renown well beyond Germany's borders. The university aspires to teach and research in the tradition of this great scientist, philosopher, and engineer and to continue with his humanist work.

At the Otto von Guericke University Magdeburg, students can choose from more than 90 degree courses in various areas of study and specialisation. In addition to these, a range of postgraduate courses are offered. There are also many possibilities to combine different subjects across faculties. The conditions for students are ideal, with modern laboratories, experimental workshops, and clinics equipped with high-performance computers and an excellent staff-student ratio. The offer of a sound, thorough education, combining a high level of theoretical expertise with practical experience, makes Magdeburg an attractive choice.

In recent years, research at the university has gone through a decisive change, from applied research to innovative, fundamental research. Among the many areas represented, the neurosciences, immunology, non-linear systems, new materials, processes and products, computational visualistics, social transformation, communication, and culture deserve a special mention. The university hopes to make a significant contribution to economic and social development in Magdeburg and the surrounding area through its research. Equally, disciplines such as humanities, economics, and management, which have been established more recently at the university, have already made their mark on our research profile. Special emphasis is placed on close cooperation between teaching staff and students.

Magdeburg also attracts students because it offers accommodation with either a single bed or twin beds in its halls of residence.

[Take a virtual trip through our international campus!](#)



## University location

As the capital of the federal state of Saxony-Anhalt, Magdeburg is the seat of the state parliament and administration. The town is more than 1,200 years old and has about 234,000 inhabitants. Its excellent location on the River Elbe and its proximity to Berlin, Hanover, and Leipzig have proven to be a significant asset to the city. In the 19th century, the town developed into an important industrial and trade centre. Nowadays, another quite distinctive feature of Magdeburg is its considerable research and innovation potential at the university, the Max Planck and Fraunhofer research institutes, and the university of applied sciences, which are all located in close proximity to each other. Magdeburg offers an extensive park and garden landscape, a rich cultural and sports life, and an ideal atmosphere for being a student. Please visit the website: [www.magdeburg.de](http://www.magdeburg.de).

# Contact

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🌐 Course website: <https://www.ovgu.de/mscvisualcomputing.html>

📘 <http://www.facebook.com/OVGU.Magdeburg>

🐦 <http://www.twitter.com/OVGUpresse>

🌐 <https://www.linkedin.com/school/otto-von-guericke-university-magdeburg/>

📷 [http://www.instagram.com/uni\\_magdeburg](http://www.instagram.com/uni_magdeburg)

📺 <https://www.youtube.com/channel/UCX7sej01ntgujN3NilAUkUw>

Last update 06.05.2024 04:23:16

# 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".

The publication is funded by the German Federal Ministry of Education and Research and by contributions of the participating German institutions of higher education.



Federal Ministry  
of Education  
and Research