



Scholarship program of the German State of North Rhine-Westphalia for students from the Palestinian territories

Call 2010

Scholarships at institutions of higher education in North Rhine-Westphalia

(current version, as of 14 December, 2009)

Please choose the scholarship place(s) you seek to apply for;
fill in the corresponding identification number (#) from the following list into the
application form that you can download from

<http://www.uni-duesseldorf.de/home/Internationales/Information/NRW-Nahost-Foerderprogramme/Palastina/Englisch/2010/2010-Palastina-Ausschreibung>

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Disciplines (multiple entries possible)

| | |
|---|--|
| Computer / Information Sciences / Robotics | <ul style="list-style-type: none"> • DO 2 • FH DO 1 • FZJ 2 • FH MS 1, FH MS 2 • PB 1 |
| Biology / Pharmacy / Life Sciences/ Environmental Science | <ul style="list-style-type: none"> • BC 1 • BRS 2 • MS 7 |
| Humanities / Media Studies / Education / Archaeology / Religious Studies | <ul style="list-style-type: none"> • BI 2, BI 3 • BC 3, BC 5 • DO 1 • DS 1, DS 2, DS 3 • MS 1, MS 2 |
| Social and Political Sciences | <ul style="list-style-type: none"> • BC 4 • DE 1 • WU 1 |
| Design / Architecture / Spatial Planning and Urban Design | <ul style="list-style-type: none"> • FH BI 1 • DO 3 |
| Law | <ul style="list-style-type: none"> • BC 4 • KL 1 |
| Physics / Geophysics / Nanotechnology | <ul style="list-style-type: none"> • BI 1 • FZJ 1, FZJ 3 • BRS 1 • MS 3, MS 4, MS 5, MS 6, MS 8, MS 9 |
| Chemistry / Chemical Engineering | <ul style="list-style-type: none"> • BC 2 • BRS 1 • MS 6, MS 8 |
| Mechanical Engineering / Process Engineering / Civil Engineering | <ul style="list-style-type: none"> • AC 1 • FH BI 1 • PB 2, PB 3 |



| | |
|------------------------|--|
| Electrical Engineering | <ul style="list-style-type: none">• AC 1• BRS1• FZJ 2• FH MS 3• PB 1, PB 3 |
| Mathematics | <ul style="list-style-type: none">• FZJ 2 |

Contact and further information

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Rheinisch-Westfaelische Technische Hochschule Aachen (AC)

RWTH Aachen University is the largest university of technology in Germany and one of the most renowned technical universities in Europe, with around 29,000 students, more than the half of which in engineering. Every year numerous international students and scientists come to the RWTH Aachen to benefit from the internationally recognized high level of courses and the excellent work facilities at the RWTH. More than 5,000 international students are currently enrolled at both undergraduate level and graduate and PhD level. The proximity of Aachen to the Netherlands, Belgium and Luxembourg and the subsequent exposure to a variety of cultural heritages has placed RWTH Aachen in a unique position with regard to the reflection and promotion of international aspects and intensive interaction with other universities.

www.rwth-aachen.de

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AC 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (B = Bachelor; M = Master) |
|---|---|------------------|-------------------------------------|--|
| KEmikro | Prof. Dr. W. K. Schomburg | 1 | Mechanical and Electric Engineering | M; P |
| Time frame: | April to July, 2010 (with a stay of 12 weeks) | | | |
| Institute's focal research areas | <p>At KEmikro a fabrication process for micro structures by ultrasonic hot embossing has been developed. This way, micro structures and micro systems (MEMS) from polymers can be produced with much less effort than before.</p> <p>The objective of the student is to search for fabrication parameters for micro structures from different polymers.</p> | | | |

Universitaet Bielefeld (BI)

Bielefeld - the "university of short ways" and of "interdisciplinary intertwinement"! Whereas elsewhere the departments and institutes are spread all over the city, Bielefeld has its entire university in one building. This way, students may even utilize their lecture breaks and peek into other classes or lectures. In the library, the sections of related departments, e.g., physics and chemistry, are found right next to each other. Due to the compactness of the building, it could be equipped with a computer network, even traversing department boundaries, e.g., mathematics and physics, at an early stage. Nowhere else is interdisciplinarity practiced in this way; there's even a special-purpose Center for Interdisciplinary Research, "ZiF". In particular, the use of expensive equipment such as transmission electron microscopes is shared between the biology and physics departments, the math department's visualization lab is open to people of other disciplines, as well. Physicists and chemists closely collaborate in some laboratories. There is a joint study program called "Natural Sciences and Information Technology" in cooperation with the Technical Faculty. Young scientists come to Bielefeld from all parts of the globe to participate in our research activities. There exist close contacts with the research centers DESY at Hamburg and CERN (elementary particle physics) at Geneva as well as with BESSY (molecular and surface physics) at Berlin and ESRF at Grenoble, among others. There are a multitude of cooperations with research institutions and universities, domestic and foreign.

The Institute for Science and Technology Studies (IWT) is concerned with investigating the institutional and epistemic forms of science and technology, their patterns of change, and the accompanying ethical challenges and social consequences. The IWT is the only interdisciplinary centre in science and technology studies at a German university. It is well connected with leading international institutions in science and technology studies. The IWT was initially founded as a research institute. Over the years, researchers at IWT have taken on an increasing number of teaching duties in various departments at Bielefeld University. Thanks to the funding of Research Training Groups by the German Research Foundation (DFG), the IWT has also become an important location for postgraduate and postdoctoral training.

www.uni-bielefeld.de

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BI 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|------------------|----------------------------|---|
| Bielefeld Institute for Biophysics and Nanosciene (BINAS) | Prof. Dr. Armin Goelzhaeuser | 2 | Physics, Chemistry | M |
| Time frame: | Open | | | |
| Institute's focal research areas | Supramolecular Systems, Nanomembranes Surface Analysis, Chemical Nanolithography, Nanowires, Self-Assembled Monolayers | | | |

BI 2

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|--|--|-------------------------|-----------------------------------|--|
| Institute for Science and Technology Studies (IWT) | Prof. Dr. Michael Huber | 3 | Sociology, Philosophy, History | M |
| Time frame: | From June to December, 2010 | | | |
| Institute's focal research areas | <ul style="list-style-type: none"> • Science and Technology Studies; Philosophy of Science, History of Science, Public Understanding of Science; • History, Philosophy and Social Studies of Science | | | |

#BI 3

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (B = Bachelor; M = Master) |
|--|--|-------------------------|-----------------------------------|---|
| Institute for Science and Technology Studies (IWT) | Prof. Dr. Martin Carrier | 1 | Sociology, Philosophy, History | M |
| Time frame: | From June to December, 2010 | | | |
| Institute's focal research areas | <ul style="list-style-type: none"> • Science and Technology Studies; Philosophy of Science, History of Science, Public Understanding of Science; • History, Philosophy and Social Studies of Science | | | |

Fachhochschule Bielefeld (FH BI)

In general focus on: Engineering and Applied Mathematics, Civil Engineering and Architecture, School of Business and Health Sciences, Design, Social Sciences.

Mainly courses offered in German language as language of instruction.

Wintersemester 2009/2010 about 7.000 students enrolled – about 240 international student including 30 guest-students.

All faculties offer language classes in German or offer cooperation with a private language institute for guest-students.

<http://www.fh-bielefeld.de/>

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FH BI 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|---|---|---------------------------------|--|
| Faculty of Civil Engineering and Architecture | Prof. Dr.-Ing. Joachim Bahndorf | 2 for English speaking students (M), 5 for German speaking students (B and M) | Civil Engineering; Architecture | B Architecture, B Civil engineering (classes only in German language), M Architecture, M Civil Engineering (Classes and projects in English language possible) |
| Time frame: | From 26 April to 16 July, 2010 From 20 September to 31 December 2010 | | | |
| Institute's focal research areas | <ul style="list-style-type: none"> • Surveying methods and skills. • Construction of plain light buildings (e.g. sport halls or stadiums). • Water engineering and water management. • Micro- and ultra-filtration methods. | | | |

Ruhr-Universitaet Bochum (BC)

Ruhr-Universitaet Bochum, about 32,000 students, 4,500 foreign students, modern and innovative university with a wide range of study courses and excellent research institutions. German language classes mainly start in October (winter term) and April (summer term) and run during the following semester period, some of them also during vacation periods.

Please see detailed information at <http://www.ruhr-uni-bochum.de/daf/> or at <http://www.asta-bochum.de/-Deutschkurse-.html>.

Homepage of Ruhr-Universitaet Bochum:
<http://www.ruhr-uni-bochum.de>

Homepage of International Office:
<http://www.ruhr-uni-bochum.de/intoff/>

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BC 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|--|---|------------------|-----------------------------|---|
| Geographical Institute, Dept. Soil Science | Prof. Dr. Bernd Marschner | 2 | Environ. Science, Geography | M; P |
| Time frame: | March – July and September – December | | | |
| Institute's focal research areas | Soil ecology and soil chemistry: heavy metals, organic contaminants, microbial activity, soil enzymes, wastewater irrigation effects on soil properties, GIS-based soil evaluation. | | | |

BC 2

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|------------------|----------------------------|---|
| Department of Process and Environmental Engineering | PD Dr.sc.nat. G. Ewert | 1 | Chemical Engineering | M; PhD |
| Time frame: | From May 2010 (8 weeks) | | | |
| Institute's focal research areas | Experimental investigations and simulation of mass and heat transfer with chemical reaction at gas treatment for example CO ₂ -absorption and optimisation of industrial plants with production of valuable CO ₂ -storage materials. | | | |

BC 3

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|--|---|-------------------------|-----------------------------------|--|
| Institut fuer Philosophie/ Dept. of Philosophy | Prof. Dr. Albert Newen | 2 | Philosophy of Mind | M; P |
| Time frame: | April to July 2010 | | | |
| Institute's focal research areas | Philosophy of Mind or Philosophy of Language An M.A. thesis could be worked out in one of the following areas: object-/person perception, free will, emotion, concepts, self-consciousness, consciousness, reductionism http://www.ruhr-uni-bochum.de/philosophy/staff/newen/ | | | |

BC 4

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|--|--|-------------------------|--|--|
| Chair of Criminology and Police Science, Law Faculty | Prof. Dr. Thomas Feltes | 1 | Law; Criminology; Police Science; Social Science | M; PhD |
| Time frame: | Open | | | |
| Institute's focal research areas | Criminology and Criminal Justice in a broader view; Juvenile Delinquency; Gender Based Violence; Police (Management, Leadership, Reform etc.); Peacekeeping; for further information see www.rub.de/kriminologie English version: http://www.ruhr-uni-bochum.de/kriminologie/en/index.html and www.thomasfeltes.de (for possible research topics) | | | |

BC 5

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|---|-------------------------|-----------------------------------|--|
| Faculty of Catholic-Theology Old Testament Studies | Prof. Dr. C. Frevel | 1 | Hebrew Bible, Old Testament | M; P |
| Time frame: | open | | | |
| Institute's focal research areas | Old Testament Exegesis esp. Pentateuch Religious History of Ancient Israel in 9th-6th cent. BCE Second Temple Studies Monotheism/Iconography | | | |

Hochschule Bonn-Rhein-Sieg (BRS)

The Bonn-Rhein-Sieg University of Applied Sciences (UBRS) was established in 1995 as a national university funded by the government. Traditionally, UBRS attracts applicants from the within its region, but the University has formal and informal cooperation agreements with more than 30 universities throughout the world.

UBRS specializes in business administration, natural sciences, computer science, social security management, technical journalism and engineering. The focus areas for UBRS are applied research and development, technology transfer using international and interdisciplinary approaches. There is an emphasis on internships and practical applications in industry and research and joint research projects with numerous companies and institutions.

As English or another foreign language is a required subject for all students, the university has established a central Language Centre which designs, coordinates and carries out foreign language instruction on all three campuses. These specific-purpose courses are taught predominantly by native speakers, and state-of-the-art IC technologies are often implemented, primarily through the use of new language labs and self-access centres in both Rheinbach and Sankt Augustin. Especially for foreign students, “German as a foreign language” is offered including the TestDaf Exam.

The campuses in Sankt Augustin, Rheinbach and Hennef are well-equipped with modern laboratories, and technical equipment. UBRS has approximately 120 Professors of which many receive research grants. There are about 120 support staff including technical and administrative employees. UBRS currently has around 4500 students and the Department of Natural Sciences recruits about 200 undergraduate in Bachelor programs and about 30 students in a Master program each year in two study courses: Applied Biology (as an international study course) and Chemistry with Material Sciences (as an German study course).

www.h-bonn-rhein-sieg.de

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BRS 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|------------------|--|---|
| Department of Natural Sciences | Prof. Dr. Peter Kaul | 2 | Chemistry, Material Science, Physics or Electrical Engineering | M |
| Time frame: | April 2010 to December 2010, any time period is possible, duration of the fellowship should be at least 3 months | | | |
| Institute's focal research areas | <p>The terroristic attacks in recent years and the experiences in asymmetric warfare (e.g. in Afghanistan) have considerably increased the interest in systems for the detection of explosives.</p> <p>The University of Applied Science is since 2004 involved in research activities with regards to mobile detection of explosives. These works are often done in close cooperation with external partners.</p> <p>So far, the department participates in funded research projects (MoSEV, SISA, and LIED financed by the German Ministry of Defence and other), Fellowship work will be integrated in these projects, mainly as practical laboratory work.</p> <p>Part of these efforts is the following:</p> <p>R&D on a potentiometric sensor for the measurement of ozone in purified water</p> <p>Purified water as it is used for instance in the pharmaceutical industry has to be kept sterile. This can be achieved either by heating or by ozonisation. The latter method has a huge advantage with regards to power consumption. However, at high ozone concentrations significant amounts of unwanted hydrogen peroxide can be produced by side reactions.</p> <p>It is therefore necessary to monitor the concentration of ozone closely, in order to keep it high enough to sanitize the water, but below the level where hydrogen peroxide becomes an issue. Currently available sensor either lack sensitivity or are too expensive and too slow. Therefore a new potentiometric sensor has been developed and tested in tap-quality water with good results. As next step the sensor has to be tested and adapted for de-ionised water, where the low conductivity is likely to cause challenges with regard to the instrumentation.</p> | | | |

BRS 2

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|------------------|----------------------------|---|
| Department of Natural Sciences | Prof. Dr. Edda Tobiasch | 1 | Biology | M |
| Time frame: | Open (with a stay of not less than 12 weeks) | | | |
| Institute's focal research areas | <p>The work deals with stem cell differentiation, signal transduction.</p> <p>Overview:</p> <p>Recent progress in our understanding of stem cell differentiation and cell transplantation has opened new therapeutic avenues in the treatment of human diseases involving chronic or acute tissue-specific cell loss. Consequently, experimental cell replacement strategies have been attempted involving adult stem cells with the aim of developing therapies.</p> <p>Human mesenchymal stem cells which are isolated from adipose tissue have the advantage of potential autologous transplantation ability. There is evidence that they can be differentiated in chondrogenic, osteogenic, adipogenic and myogenic lineages. Inductions of the cells into multiple mesenchymal lineages already resulted in the expression of several lineage-specific genes, proteins and specific metabolic activity.</p> <p>We aim at investigating fat-derived MSC, as potential donor cells, for their ability to differentiate in the osteogenic and beta cell direction for future treatment of diabetes and large bone effects and in the adipogenic direction to investigate the influence of the differentiating fat cell in the development of atherosclerosis.</p> <p>More information on the subjects can be found on the homepage: http://fb05.fh-bonn-rhein-sieg.de/tobiasch.html</p> <p>The work encompasses the following topics for potential scholarship holder:</p> <ul style="list-style-type: none"> • Differentiation and characterisation of adult, human mesenchymal stem cells • Determination of the role of the differentiating adipocyte in the pathogenesis of diabetes mellitus type 2 • Biocompatibility testing of nano-structured polymers as scaffolds for 3D tissue engineering <p>The group is composed of the lab leader, a scientist, two PhD students, 2 Master students and 6 Bachelor students working on their thesis.</p> | | | |

Universitaet Duisburg-Essen (DE)

With over 30,000 students (including about 4,300 foreign students from more than 120 countries), the University of Duisburg-Essen (UDE) takes its place among the ten largest German universities. In research UDE occupies a respectable high-ranking position as measured by the amount of financial support granted by the German Research Foundation (DFG). Scholarship holders have the opportunity to take part in German language courses at our university which typically start during the second week of each semester. The Winter Term begins in mid-October, the Summer Term starts in mid-April.

German language course information:

http://www.uni-due.de/international/en_germancourses.shtml

Language courses see: http://www.uni-due.de/international/en_germancourses.shtml

www.uni-duisburg-essen.de

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DE 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|--|--|------------------|--|---|
| Institute for Development and Peace (INEF) | Prof. Dr. Tobias Debiel (Director), Dr. Daniel Lambach (Associate Fellow) | 1 | International Relations, Political Science, Peace and Conflict | M; P |
| Time frame: | Scholarship holders could start their stay at our institute as early as 4 May 2010. However, bearing in mind the necessary prior arrangements (visa etc.), a time-frame from September to November 2010 or from October to December 2010 might be most realistic. This would also make it possible to participate in selected seminars of our Master's degree programmes or language courses (the semester starts in mid-October). | | | |
| Institute's focal research areas | <p>The Institute for Development and Peace (INEF), founded in 1990, is a research institute of the University of Duisburg-Essen (Faculty of Social Sciences) with a strong focus on policy-related and policy-relevant research.</p> <p>INEF combines basic research with applied and policy-related research on issues like Global Governance and Human Security, Fragile States, Crisis Prevention and Civilian Conflict Management, Development, Human Rights and Corporate Social Responsibility. The specific approach of INEF, as the only German research institute to combine basic with applied research in peace and development research is also reflected in a wide range of third party funding bodies. INEF carries out research programmes and systematically explores available international expertise and world reports, often in cooperation with national and international partners. INEF also conducts smaller projects for NGOs and NGO networks. The institute is integrated in a strong and viable international research network.</p> <p>Scholarship holders are expected to work on their theses or dissertations during their stay at INEF. These should cover topics like fragile states, post-conflict peacebuilding, international intervention or changes in contemporary statehood. Scholarship holders would work closely with Prof. Debiel and Dr. Lambach and would be included in ongoing research projects that overlap with their own interests. They are expected to contribute to these projects by collaborating with local researchers.</p> <p>Scholarship holders would be offered the opportunity to visit selected seminars of the Master's degree programmes "International Relations and Development Policy" and "Development and Governance" which are held in English. We offer a full course load worth 30 ECTS credit points during the Winter Term and several seminars in the field of peace and conflict studies during the Summer Term. Some of these seminars are also attended by advanced BA students taking part in an EU-funded exchange program with Canadian universities on the topic of Human Security. Scholarship holders would also have the opportunity to discuss their theses or dissertation in our colloquia or PhD workshops.</p> <p>The students would also have access to research- and policy-related conferences and workshops on pertinent topics. Moreover, the INEF maintains a specialized library in its core research areas. In addition, INEF and the Faculty of Social Science frequently offer workshops on research methods which are usually conducted in German.</p> | | | |

Technische Universitaet Dortmund (DO)

The TU Dortmund University was established in 1968 and comprises 16 Faculties, Collaborative Research Centres, Graduate Schools & Graduate Colleges, and a number of affiliated institutes as well as other associated and science institutes like Fraunhofer Institutes-and the Max Planck Institute for Molecular Physiology (MPI). The number of students in the fall term WS 08/09 amounted to 24.000. The staff consists of 338 professors, 1.812 academics and about 1.259 non academic staff.

The TU Dortmund University supports interdisciplinary cooperation between its fields of study. To combine and analyse the strengths and activities a programme of thematic "research bands" has been developed. The "bands" allow cross-referencing beyond the bounds of single departments, faculties and disciplines.

The TU Dortmund University has set itself an ambitious goal: research, teaching and courses of study are to be given an even more consistently international orientation over the coming years. In addition to its integration within the region, with all its structural changes, the university is deliberately focusing on a second aspect: Within the scope of a comprehensive network of international university partnerships and research co-operations, the TU Dortmund University will strengthen its position among the global players in the field of science.

The university already offers extensive support measures for foreign students. With the regular orientation programme "Come2Campus", the Office for International Relations helps international "freshmen" to cope with the new living and learning conditions. Together with the city of Dortmund, the university strives to improve the services provided for foreign students.

A further way of improving the general conditions for successful completion of courses of study for international students is to increase the number of lectures held in English.

Building the network connecting the TU Dortmund University with partner institutions in Europe and all over the world has been a priority for decades. A huge number of co-operations among students, academics, institutes and departments, as well as world-wide university partnerships, opens up global thinking for the region and makes the university's achievements and competence available to the scientific community worldwide.

In addition to further increasing its international contacts, in the future the university will pay special attention to extending existing networks, like the European Consortium of Innovative Universities (ECIU), and to cooperation with institutions like the National Academy of Education Administration (NAEA) in the People's Republic of China.

www.uni-dortmund.de

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DO 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|-------------------------|---------------------------------------|--|
| Department of English and American Studies Program in American Studies, teacher training, Masters in cultural Studies, PhD Program | Prof. Dr. Walter Gruenzweig | 1 | American Studies; Cultural Studies | M; P |
| Time frame when bursars can be hosted. | From September to December, 2010 | | | |
| Institute's focal research areas | European-American relations, images of the United States, Anti-Americanism, Religion & American Culture, reception of American literature abroad, American political cultures, Exile in the United States. | | | |

DO 2

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|--|---|-------------------------|-------------------------------------|--|
| Dep. of Computer Science, Software Engineering (LS 14) | Prof. Dr. Jan Jurjens | 2 | Software Engineering or IT Security | P |
| Time frame when bursars can be hosted. | open | | | |
| Institute's focal research areas | Software Engineering, in particular applied to security-critical software | | | |

DO 3

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|-----------------------------------|-------------------------|--|--|
| Faculty of Spatial Planning | Prof. Christa Reicher | 2 | Urban Design/Spatial Planning/ Urban Development | M; P |
| Time frame when bursars can be hosted. | open | | | |
| Institute's focal research areas | Revitalizing of historical sites. | | | |

Fachhochschule Dortmund (FH DO)

Fachhochschule Dortmund - University of Applied Sciences and Arts was officially founded in 1971. Studies contents focus on solving practical problems and performing tasks encountered in daily applications, with experienced professors ensuring a sound relationship between theory and practice. At present more than 8500 students are registered with the University of Applied Sciences and Arts of Dortmund today. In all courses of studies the internationally recognized Bachelor and Master degrees are awarded.

Faculties at the Fachhochschule Dortmund – University of Applied Sciences and Arts:

- Architecture
- Design
- Information technology and electrical engineering
- Computer science
- Mechanical engineering
- Social Sciences
- Business

New Dortmund's potential is based on the future sectors of IT, micro- and nanotechnologies and logistics. Dortmund has been concentrating on modern key industries since the 1980s when it started to promote them by setting up both the Technology Center Dortmund and the Technology Park Dortmund in the vicinity of the University. The city is one of the leading IT locations in Germany and Europe. More than 770 national and international IT companies are already based here.

www.fh-dortmund.de

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FH DO 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (B = Bachelor; M = Master) |
|---|---|-------------------------|-----------------------------------|---|
| Faculty of Computer Science | Prof. Dr. Eren | 4 | Computer Science | M |
| Time frame when bursars can be hosted. | From 4 May to 31 July, 2010 | | | |
| Institute's focal research areas | <p>Hardly any other discipline has undergone such rapid development in recent years as information technology (IT). Based on many years experience, the University of Applied Sciences and Arts of Dortmund offers well founded and practical education in various courses and fields of study. In addition to sound basic training in the administration and further development of networked systems, the structure and organization of databases and the design and development of information systems represent the core elements of information systems as a course of study, research. In-depth courses of studies are offered in the fields of technical IT and applied IT. The faculty of computer science offers an internship for master students in IT Security, Security Infrastructures, Mobile Security. The students will work in the laboratory for IT-Security Architectures (LISA). LISA offers a modular development and evaluation platform for IT-security architectures. It is used for practical courses, bachelor and master thesis, and also research & development projects. In future, it will be extended to be used as a demo & solution centre for third parties such as companies who are interested in assessing their components in the laboratory. For further information please open the following internet address:</p> <p>http://www.fhdortmund.de/de/studi/fb/4/einrichtungen/laboratorien/lisa/index.php?p=2,1,3,4,0,0</p> | | | |

Heinrich-Heine-Universität Duesseldorf (DS)

Even though the French emperor Napoleon I planned to found a university in Duesseldorf in 1811, with the Rhine area being thought of as an intellectual buffer zone between France and Prussia, Duesseldorf had to wait one more century. In 1907 the Duesseldorf Academy for Applied Medicine was founded and opened together with the newly-built Municipal Hospital, which was at that time the most modern clinical complex in the German Empire. Since the Academy had no university constitution, it was only allowed to instruct medical trainees, not students. The academy itself and part of the population launched several initiatives to change the status of the institution. In 1923 they finally succeeded when a university constitution including the right to train students was given to the Medical Academy of Duesseldorf. The study of dental medicine was subsequently incorporated, and by 1935 even doctoral degrees could be awarded in Duesseldorf.

After World War II the federal state of North Rhine-Westphalia and the City of Duesseldorf signed a contract which stated that the federal state would take over the Medical Academy, while the hospitals remained municipally owned. The Medical Academy became the University of Duesseldorf in November 1965, and in January 1966 it became a university with a medical faculty and a combined faculty of arts and natural sciences. In December 1988 the university senate decided to change the institution's name to Heinrich-Heine University Duesseldorf, in commemoration of one of the city's most renowned sons whose critical and inquisitive, poetic mind reached out across national borders and fought against small-mindedness.

Today the university forms the backbone of Duesseldorf's academic reputation. Faced with nation-wide cuts in university spending, the University of Duesseldorf has continued to thrive. Despite its recent foundation it has gained the reputation usually associated only with universities rich in age and tradition. The university's continuous development has made it home to a distinguished range of subjects, including medical science, natural sciences, economics, law, and the humanities. The degree requirements allow for numerous combinations of subjects, and study programs can be tailored to fit individual needs. Some subjects, such as Literary Translation, Yiddish Culture, Language and Literature, and Media Science, are unique features of our curriculum. Further specialties in the Faculty of Arts include Modern Japan Studies, and German as a Foreign Language which address the needs of the international business community. The Faculty of Economics focuses particularly on International Management. European and International Law enjoy an elevated position at the Faculty of Law, which is also a renowned center of commercial law. Duesseldorf has also become a hub of Biotechnology. The focal points of research within the Faculty of Mathematics and Natural Sciences are Genetics and Molecular Biology.

The Faculty of Medicine has gained a reputation for its research in Cardiology; Cell and Gene Therapy form the backbone of clinical research. The Center of Biomedical Research (BMFZ) stands out as a center of excellence. Several institutions devoted to special fields are attached to the university, for example the Institute of Diabetic Research, and the Medical Institute for Environmental Hygiene. The Institute for International Communication is also located on campus.

Ample proof of the confidence that sponsors place in the research conducted at HHUD can be seen in the number of collaborative research centers and research training programs. The University of Duesseldorf ranks 18th among the top 45 universities (113 in total), which together receive 90% of all project funds granted in Germany.

The university's international profile is the result of the active exchange programs it maintains with partner universities in regions as diverse as California and Peking, Reading and Naples. In any given year, about 3000 foreign students come from more than 110 nations, and over 120 guest academics conduct their research here. The total number of students amounts to approximately 25000. The number of faculty exceeds 1500.

Last but not least, the university has the advantage of occupying a pleasant site. After long hours of study it is tempting to take a stroll through the Botanical Garden located right on campus....

www.uni-duesseldorf.de

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DS 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|-------------------------|-----------------------------------|--|
| Institute for Culture and Media | Prof. Dr. Reinhold Goerling | 2 | Cultural and Media Studies | M; P |
| Time frame: | From April to June and in September, 2010 | | | |
| Institute's focal research areas | <ul style="list-style-type: none"> • Violence, Trauma and Cultural Development • Torture, Society, Visual Culture • Border Aesthetics | | | |

DS 2

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|-------------------------|-----------------------------------|--|
| Institute for Jewish Studies | Prof. Dr. Stefan Rohrbacher | 4 | Jewish Studies; History | M; P |
| Time frame: | Summer Term 2010 | | | |
| Institute's focal research areas | <p>Jewish Studies: Jewish history of the early modern period, 19th century German-Jewish history.</p> <p>Yiddish: Yiddish language, Yiddish literature of the early modern period and Enlightenment (Haskala)</p> | | | |

#DS 3

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (B = Bachelor; M = Master) |
|---|---|-------------------------|-----------------------------------|---|
| Institute for Culture and Media | PD Dr. Dirk Matejovski | 2 | Culture and Media Studies | B; M |
| Time frame: | <p>From April to July, 2010;</p> <p>From October to December, 2010</p> | | | |
| Institute's focal research areas | <ul style="list-style-type: none"> • Culture and Media Studies • Popular Culture Studies • Film Studies • Acoustic Turn | | | |

Forschungszentrum Juelich (FZJ)

Research Centre Juelich, member of the Helmholtz Association, is one of the major research institutions in Europe. An interdisciplinary staff of 4300 members, including 1500 scientists from disciplines like physics, chemistry, biology, medicine and the engineering sciences, focus their work on two of the „*Grand Challenges*“ of society:

For Juelich, this is on the one hand the field of **Health**, where Juelich scientists are trying to decipher the mechanisms of neurodegenerative diseases like Alzheimer and Parkinson and to find therapies for these diseases.

On the other hand, Juelich is addressing the field of **Energy&Environment**. With research on renewable energies like photovoltaics, new technologies and materials like fuel cells and work on nuclear fusion, Juelich delivers a significant contribution for a sustainable and holistic energy supply. Combined with a strong expertise in environmental research, Juelich helps to understand the mechanisms of climate change and to develop directives for climate protection.

Research Centre Juelich is tackling these two *Grand Challenges* by using existing and developing new key technologies like **biotechnology, nanoelectronic materials, and simulation sciences** using supercomputers. Juelich's new supercomputer JUGENE is the fastest computer used for civil purposes worldwide and is second in the TOP 500 list.

The Research Centre is located near the town of Juelich, **close to the university cities** Aachen, Bonn, Cologne and Duesseldorf. The proximity of Juelich to the Netherlands, Belgium and Luxemburg as well as about 700 international guest scientists per year add to an excellent and inspiring training environment.

German language courses are organised in the context of our in-house training programme and are free of charge.

www.fz-juelich.de

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FZJ 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|---|------------------|----------------------------|---|
| Nuclear Physics Institute (IKP) | Prof. James Ritman | 2 | Nuclear/Particle Physics | M; P |
| Time frame: | From April to October 2010 | | | |
| Institute's focal research areas | <p>1) The Wide Angle Shower Apparatus, WASA, is a large-acceptance detector for charged and neutral particles operated at the COSY proton and deuteron accelerator. The experiments aim at a complete measurement of the final state particles from proton-proton and proton-deuteron collisions. The physics goals are located in the field of hadron physics, contributing to answering fundamental questions concerning the strong interaction. Here, the approach is the study of symmetries and their violation, spectroscopy, form factors, and hadron-hadron interactions. WASA-at-COSY is an international collaboration and offers the experience of team work including the strong student body and participation in the experiment beam times.</p> <p>Topics for summer research projects are:</p> <ul style="list-style-type: none"> * test of detector and trigger prototypes for an experiment upgrade * calibration and monitoring of detector components using a C++/ROOT based analysis program * Monte Carlo simulations modeling physics reactions for the interpretation of the acquired data <p>2) The Antiproton Annihilation Experiment at Darmstadt, PANDA, is being built at the future accelerator complex FAIR. Its purpose is the study of strong force in the transition region between perturbative and non-perturbative QCD. The interaction products are measured with a complex set of high tech detectors. The focus our work lies on the development of a fast high resolution silicon pixel micro vertex detector, MVD. This work covers a wide variety of different aspects from electronics and hardware development, CAD design and physics and detector simulations based on C++ and ROOT. We are part of a large international collaboration and offers the experience of team work including the strong student body and participation in the experiment beam times.</p> <p>Topics for summer research projects are:</p> <ul style="list-style-type: none"> *development of a module of the detector readout using VHDL * Time ordered simulation of the detector to investigate and minimize "pile-up" of multiple events within the time resolution of the detector. * Monte Carlo simulations modeling physics reactions producing the newly found hadrons at the B-factories. | | | |

FZJ 2

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|------------------|--|---|
| Central Institute for Electronics (ZEL) | Dr.-Ing. Gudrun Wagenknecht | 2 | Informatics; Electrical/Biomedical Engineering; Mathematics; Physics | M |
| Time frame: | Open; for 3 months. | | | |
| Institute's focal research areas | <p>The research group Multimodal Image Processing at ZEL focuses on the development of algorithms for segmenting and analysing 3D brain structures of humans and small animals based on multimodal images (MRI, CT, PET, SPECT). Applications of these methods are in the field of neuroscience, diagnosis and therapy of brain diseases as well as molecular diagnosis. We are partners in national and international research projects (e.g., BMBF, EU).</p> <p>Small projects regarding the following topics can be offered for students with background in medical image processing and outstanding programming skills in C, C++:</p> <ol style="list-style-type: none"> 1. The implementation of enhancement algorithms, e.g. inhomogeneity correction, as an important prerequisite for further image processing steps; 2. The implementation of semiautomatic and automatic algorithms to segment different 3D regions inside and outside the brain as well as the comparison and evaluation of those approaches. | | | |

FZJ 3

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|--|---|------------------|----------------------------|---|
| Institute for solid state research (IFF) | Dr. Thorsten Auth | 1 | Physics | M |
| Time frame: | Open, for 3 months. | | | |
| Institute's focal research areas | <p>The project will be conducted in the theory group of Prof. Gompper. Research projects in our group focus on membranes, polymers, colloids, or complex fluids, see http://www.fz-juelich.de/iff/e_th2. We suggest a simulation project of a biological or soft matter system with hydrodynamics. The Institute for Solid State Research at Forschungszentrum Juelich hosts three soft matter groups and the IHRS BioSoft (www.ihrs-biosoft.de) provides links to several soft matter and biophysics groups in the Juelich area.</p> | | | |

Universitaet zu Koeln (KL)

The University of Cologne was founded in 1388 and is one of the oldest universities in Germany. It is also one of the most famous and - with the largest student population in Germany of about 49.000 students - also one of the most popular universities due not only to the diversity of academic opportunities but also to the unique atmosphere of Cologne itself. The University of Cologne with its six faculties offers students an enormous variety in choice and combination of courses and subjects. Students, who expect and fulfil high standards at the university, will find best studying conditions here.

The Faculty of Law has 5.742 registered students. With its numerous institutes, it prepares the students for the first state examination in German law, which is a prerequisite to a legal career in Germany. From industrial and social law to commercial and tax law, the faculty has an outstanding reputation in all fields of legal research, teaching and practice. The faculty offers facilities for studying, including a large number of specialized institutes with libraries, one of the largest university law libraries in Germany, and very good IT facilities.

www.uni-koeln.de

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KL 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|------------------|----------------------------|---|
| Institute of Roman Law | Professor Dr. Martin Avenarius | 1 | Law | M |
| Time frame: | From May to July, 2010 From September to December, 2010 | | | |
| Institute's focal research areas | The Institute's research work centres on preclassical and classical Roman law as well as on the history of the reception of Roman law. A special field of research lies in the influence of Roman law in Russia. | | | |

Westfaelische Wilhelms-Universitaet Muenster (MS)

Germany's 3rd largest university with highest standard in teaching and reserach; ca. 40 000 students, broad variety of subjects and research, no campus university, located in the most livable city (UN LivCom Award 2004), bicycle town of Germany

- Research university with emphasis on teaching and learning process;
- At the forefront of exploring nano science and technology;
- Developing high tech with local and international industry partners;
- Creating new tools for curriculum reform;
- Main fields of study and research: Medicine, Law, Social- and Natural Sciences, Economics, Humanities.

Beginner and advanced German language courses in Sprachenzentrum

<http://spzwww.uni-muenster.de/studieninformation/ldaf/index.php>

www.uni-muenster.de

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MS 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|------------------|--|---|
| Institute for Classical Archaeology and Early Christian Archaeology | PD Dr. Achim Lichtenberger | 2 | Classical Archaeology /Early Christian Archaeology | M; P |
| Time frame: | April – July 2010 and October – December 2010 | | | |
| Institute's focal research areas | Mosaics, Numismatics, Vase Painting, Hellenistic and Roman Near East, Late Antique and Early Christian Archaeology | | | |

MS 2

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|---|-------------------------|---|--|
| „Center for the History and Culture of the Eastern Mediterranean" (GKM) | Prof. Dr. Reinhard Achenbach | 3 | Religious Studies, Jewish Studies, Ancient History, Archaeology, Oriental Studies | M; P |
| Time frame: | Open | | | |
| Institute's focal research areas | The GKM researches religious, historical, cultural, social and economics themes concerning the ancient Eastern Mediterranean. | | | |

MS 3

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|-------------------------|-----------------------------------|--|
| Institute for Theoretical Physics | Prof. Dr. Rudolf Friedrich | 2 | Theoretical Physics | M |
| Time frame: | From April 26 to July 23, 2010 From October 4 to December 17, 2010 | | | |
| Institute's focal research areas | Complex Systems: turbulence, structure, formation, granular systems, chaos | | | |

MS 4

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|-------------------------|-----------------------------------|--|
| Institute for Theoretical Physics | Prof. Dr. Gernot Muenster | 1 | Theoretical Physics | M |
| Time frame: | From April 26 to July 23, 2010 From October 4 to December 17, 2010 | | | |
| Institute's focal research areas | Theory of elementary particles: lattice gauge theory; chiral perturbation theory | | | |

MS 5

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|-------------------------|-----------------------------------|--|
| Institute of Physics | Prof. Dr. Helmut Zacharias | 1 | Laser Physics | M |
| Time frame: | From May 01 to July 31, 2010 | | | |
| Institute's focal research areas | Generation of femtosecond laser pulses; control of the spatial and temporal pulse shape by phase modulation; generation of femtosecond hard x-rays; time-resolved x-ray diffraction. | | | |

MS 6

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|------------------|----------------------------|---|
| Institute of Physics | Prof. Dr. Helmut Zacharias | 1 | Chemistry; Physics | M |
| Time frame: | From May 01 to July 31, 2010 | | | |
| Institute's focal research areas | Electron emission from chiral organic thin films; electron spin analysis; surface science. | | | |

MS 7

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (B = Bachelor; M = Master) |
|---|--|------------------|---|---|
| Institute for Biodiversity and Evolution / Faculty of Biology | Prof. Dr. Erich Bornberg-Bauer | 2 | Biology; Marine Biology; Ecology; Bioinformatics; basic programming skills required | M (only students who have completed the 1 st semester) |
| Time frame: | April 23 to July 20, 2010 (experimental work with a stay of at least 11 weeks) April 23 to October 31, 2010 (bioinformatics approaches with a stay of at least 11 weeks) | | | |
| Institute's focal research areas | Our institute is involved in several fields of evolutionary biology using model organisms such as beetles and fruit flies, and includes a department for evolutionary bioinformatics. Our group however, is especially involved in non model organisms. We work with sea grasses, which in Europe represent a major component of the benthic ecosystem along shallow coastal habitats. Loss of sea grasses is a growing concern, generally in the world, but specifically in Europe where it involves not only loss of biodiversity but also causes shore erosion. Specifically, we are studying the differential response of several sea grass species and populations (Northern vs. Southern Europe) to thermal stress caused by heat waves. Scenarios of global climate change predict the increase in both frequency and magnitude of such heat waves. In an experimental set up in the laboratory we are simulating heat waves and studying their effects using physiological and genetic approaches. Finally there are opportunities to understand molecular evolution through changes in the amino acid using bioinformatics. | | | |

MS 8

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (B = Bachelor; M = Master) |
|---|---|------------------|---|--|
| Faculty of Physics | Prof. Dr. H. Fuchs | 2 | physics, phys. chem., nanoscience, nanotechnology | M |
| Time frame: | open | | | |
| Institute's focal research areas | nanoscience, scanning probe techniques, self organization | | | |

MS 9

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (B = Bachelor; M = Master) |
|---|---|-------------------------|-----------------------------------|---|
| Institute for Material Physics | Dr. Sergiy Divinski | 1 | Materials Science | B; M |
| Time frame: | July - December 2010 for 3 months | | | |
| Institute's focal research areas | Diffusion in nanostructured materials as a function of plastic strain. The appearance of non-equilibrium grain boundaries during severe plastic deformation will be investigated by the radiotracer technique in materials successively deformed till high strains. Radiotracer diffusion experiments will be combined with material characterization by SEM and TEM. | | | |

Fachhochschule Muenster (FH MS)

The University of Applied Sciences (MUAS) was founded in 1971 out of public and private schools and has developed to a modern, achievement oriented and service-oriented university. MUAS is with 9,570 students and 15 faculties/central research institutions one of the biggest institutions of its kind in Germany. The departments and institutions are located at different places in Muenster and Steinfurt. Students receive an academic training in various fields and the language centres offer German language courses. Language courses are offered during the regular semester period. A Welcome Service for foreign students is offered to make new students' life easier and to integrate them successfully into everyday life at the university.

www.fh-muenster.de

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FH MS 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|---|------------------|----------------------------|---|
| Lab for Software Engineering | Prof. Dr. Gernot Bauer | 1 | Computer Science | M |
| Time frame: | From April to June, 2010 From October to December, 2010 | | | |
| Institute's focal research areas | The scholarship holder would take part in a current research project. Research fields: software engineering, requirements engineering, mobile (geo) computing | | | |

FH MS 2

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|---|------------------|----------------------------|---|
| Lab for Network Programming | Prof. Dr. Michael Tuexen | 2 | Computer Science | M |
| Time frame: | From April to June, 2010 From October to December, 2010 | | | |
| Institute's focal research areas | Innovative Transport Protocols, especially SCTP (Stream Control Transmission Protocol). Applicability of SCTP of existing and new application, security of SCTP and applications using it. Possible access to work: SCTP and firewalls, SCTP and DTLS, SCTP and SSH | | | |

FH MS 3

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|-------------------------|--|--|
| Sensor Lab | Prof. Dr. R. Hengherr Prof. Dr. Th. Rose | 1 | Applied Physical Electrical Engineering | M |
| Time frame: | From September to December, 2010 | | | |
| Institute's focal research areas | Industrial Image Processing, incl. X-ray tomography: "Optimization of X-ray contrast in plastic material X-ray tomography" | | | |

Universitaet Paderborn (PB)

The University of Paderborn, founded in 1972 is a fully accredited state university offering all types of academic degrees including PhD and postdoctoral lecture qualification.

The university is “The University for the Information Society”. Corporate image, mission statement and the university’s action are led by this guiding principle. So Paderborn concentrates on computer science and its application, and especially on IT-related aspects of interdisciplinary collaboration involving all the academic departments of the university. Together they all contribute to developing and critically exploring the information society, with the arts and humanities taking on a major, independent role.

Among research institutes there are an International Graduate School of Dynamic Intelligent Systems, Collaborative Research Centres (SFB) of the German Research Foundation (DFG), interdisciplinary Cooperation Project and DFG Research Training Groups.

The university has an academic staff of about 1.000 and offers a wide range of subjects in five faculties: Faculty of Arts and Humanities, Faculty of Business Administration and Economics, Faculty of Science, Faculty of Mechanical Engineering, Faculty of Computer Science, Electrical Engineering and Mathematics.

There are about 14 000 students studying at the university, among them about 1500 international students.

German Language courses: A four week course of 20 hours per week starts before the semester begins in March and in September. Another course of 10 hours per week runs during the semester.

The city of Paderborn can look back on 1,200 years of history and forward to a future full of ideas and drive. Paderborn is a delightful city with its own special flair. It is also home to some of the world’s leading industrial corporations, such as Siemens, Wincor Nixdorf, Benteler, Hella und Stute. Located in the heart of Germany, Paderborn is an ideal base for getting to know the country and its people.

With a population of around 140,000 people, Paderborn is a lively cultural centre with theatres and cinemas, concerts from classical to jazz, a vibrant arts scene, clubs and entertainment, museums – including the world’s largest computer museum – art galleries, and a generous range of sports and recreational activities, from water sports, riding, indoor carts through to parachuting and gliding; and of course, Paderborn has loads of city fetes and festivals. Not to forget its inviting pubs, bistros and restaurants which show that this is indeed a student city.

www.uni-paderborn.de

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PB 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars’ degree program (M = Master; P = PhD) |
|---|---|------------------|--|---|
| GET Lab – Cognitive Systems Engineering | Prof. Dr. Baerbel Mertsching | 3 | Electrical Engineering, Computer Science, and related fields | M; P |
| Time frame: | Open, October to December preferred | | | |
| Institute’s focal research areas | <ul style="list-style-type: none"> - autonomous and telesensory mobile robot systems - computer vision - virtual and augmented reality/ simulation - (low power) microelectronics | | | |

PB 2

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|--|---|------------------|----------------------------|---|
| Institute of Automotive Lightweight Construction | Dipl.-Ing. Thorsten Marten | 1 | Mechanical Engineering | M; P |
| Time frame: | From April to December (with a stay of 12 weeks) | | | |
| Institute's focal research areas | Automotive light weight construction <ul style="list-style-type: none"> - High Strength Steels - Metal-CFRP-Structures - Hybrid Structures | | | |

PB 3

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars' degree program (M = Master; P = PhD) |
|---|--|------------------|--|---|
| Mechatronics and Dynamics | Dr. Hemsel | 2 | Mechatronics, Mechanical or Electrical Engineering | M, P |
| Time frame: | open (with a stay of 12 weeks) | | | |
| Institute's focal research areas | mechatronic systems, dynamic systems, control, vehicle dynamics, piezoelectric systems | | | |

Bergische Universitaet Wuppertal (BUW) / University of Wuppertal

The University of Wuppertal, founded in 1972, is situated in the state of North Rhine-Westphalia (NRW) one of the 16 federal states of Germany. It borders on the Netherlands and Belgium in the West. NRW is economically the most significant German state with an outstanding educational and cultural landscape.

In NRW Wuppertal is situated close to Duesseldorf and Cologne in a particularly delightful region with wooded hills, meadows, orchards and fields called the “Bergisches Land”.

The city of Wuppertal with its 375 000 inhabitants is an interesting mixture of outgoing metropolis and cosy village with a lot of leisure facilities. From any part of the city it is only a 10 minute walk to the nearest park or shady woodland path. The city’s best-known landmark, the Wuppertal suspension monorail (“Schwebebahn”) is one of the world’s safest and most comfortable means of transport.

The university, with its three campuses covering more than 35 hectares (over 85 acres), offers a diverse range of programmes in science, engineering economics and the humanities, as well as educational science, design and architecture. Emphasis is placed on an intensive interaction between all disciplines. The interdisciplinary focus in research and teaching is a direct response to the demands placed on future young professionals.

Some 14,000 students from more than 100 countries benefit from high-level academic approaches in teaching, and from the university’s commitment to research and international collaboration.

The University is organized into seven faculties.

A-Faculty of Humanities; B-Faculty of Economics/Schumpeter School of Business and Economics; C-Faculty of Mathematics and Natural Sciences; D-Faculty of Architecture, Civil Engineering, Mechanical Engineering and Safety Engineering; E-Faculty of Electrical, Information and Media Engineering; F-Faculty of Art and Design; G-Faculty of Educational and Social Sciences.

German Courses

The Language Center (SLI – www.sli.uni-wuppertal.de) of the BUW offers courses of German as a foreign language to prepare for studying (all levels). There are specialised language courses for professionals and Cultural Studies.

www.uni-wuppertal.de

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WU 1

| Institute | Contact at the institute | Number of places | Discipline or subject area | Bursars’ degree program (M = Master; P = PhD) |
|---|---|------------------|---|---|
| Center for International Studies in Social Policy and Social Services | Prof. Dr. Heinz Suenker | 2 | Social Sciences, Social Policy, social Work | M; P |
| Time frame: | From April to December, 2010 | | | |
| Institute’s focal research areas | Comparative studies in social policy and social work; Welfare state and service delivery; Politics of childhood and childhood studies | | | |