



2010/2011

Postgraduate Courses for Professionals with Relevance to Developing Countries



Scholarships in Germany

DAAD

Deutscher Akademischer Austausch Dienst
German Academic Exchange Service

Scholarships in Germany

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for Professionals
with Relevance to
Developing Countries**



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The Programme at a Glance	8
Preface	9
Economic Sciences / Business Administration / Political Economics	
Master's Programme in International and Development Economics – MIDE Hochschule für Technik und Wirtschaft (HTW) Berlin (University of Applied Sciences Berlin)	13
Technology and Innovation Management Fachhochschule Brandenburg (Brandenburg University of Applied Sciences) in cooperation with the Brandenburgische Technische Universität Cottbus (Brandenburg University of Technology Cottbus)	15
Small Enterprise Promotion and Training – SEPT²⁾ Universität Leipzig (University of Leipzig)	18
MBA-Programme International Management Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen (Nürtingen-Geislingen University)	21
MBA-Programme International Marketing Hochschule Reutlingen (European School of Business, Reutlingen University)	24
Development Co-operation	
Development Management* Ruhr-Universität Bochum, Institute of Development Research and Development Policy	26
Bonn Interdisciplinary Graduate School for Development Research – BiGS-DR¹⁾ Universität Bonn (University of Bonn), Zentrum für Entwicklungsforschung (ZEF) (Center for Development Research)	28
Engineering and Related Sciences	
Tropical Hydrogeology, Engineering Geology and Environmental Management – M.Sc. TropHEE Technische Universität Darmstadt (Darmstadt University of Technology)	32
Hydro Science and Engineering Technische Universität Dresden (Dresden University of Technology)	34
Textile and Ready-Made Clothing Technology Technische Universität Dresden (Dresden University of Technology)	36
Master of Engineering in Energy and Environmental Management Specialisation "Sustainable Energy Systems and Management in Developing Countries" – SESAM Universität Flensburg (University of Flensburg)	39
Geotechniques and Infrastructure in Civil Engineering and Surveying²⁾ Leibniz Universität Hannover (Leibniz University of Hannover)	42
Resources Engineering* Universität Karlsruhe (TH) (University of Karlsruhe)	44
Utilities and Waste – Sustainable Processing²⁾* Universität Karlsruhe (TH) (University of Karlsruhe)	47
Technology and Resource Management in the Tropics and Subtropics Fachhochschule Köln (Cologne University of Applied Sciences) Institut für Tropentechnologie (ITT, Institute for Technology in the Tropics)	49

Table of Contents

Page

Water Management in Tropical and Subtropical Regions²⁾ Fachhochschule Braunschweig/Wolfenbüttel, Campus Suderburg (University of Applied Sciences, Campus Suderburg)	52
Postgraduate Programme Renewable Energy – M.Sc. Universität Oldenburg (University of Oldenburg)	54
Photogrammetry and Geoinformatics²⁾ Hochschule für Technik Stuttgart (Stuttgart University of Applied Sciences)	56
Master's Programme Infrastructure Planning²⁾ Universität Stuttgart (University of Stuttgart)	58
Systems Engineering & Engineering Management²⁾ Hochschule für Technik und Wirtschaft Soest (FH Südwestfalen) – (South Westphalia University of Applied Sciences Soest Campus) in co-operation with Bolton Institute, UK	61
Natural Hazards Mitigation in Structural Engineering – NHMSE Bauhaus-Universität Weimar (Bauhaus-University Weimar)	63
Mathematics	
PhD Programme "Mathematics in Industry and Commerce" – MIC¹⁾ Technische Universität Kaiserslautern (University of Kaiserslautern)	65
Regional Planning	
Urban Management – UM Technische Universität Berlin (Berlin University of Technology)	67
SPRING – Regional Development Planning and Management²⁾ Technische Universität Dortmund (TU Dortmund University)	69
Regional Science / Spatial Planning²⁾ Universität Karlsruhe (TH) (University of Karlsruhe)	71
Land Management and Land Tenure Technische Universität München (TUM) (Technical University of Munich)	73
Agricultural and Forest Sciences	
Agricultural Sciences and Resource Management in the Tropics and Subtropics – ARTS²⁾ Universität Bonn (University of Bonn)	75
Tropical Forestry and Management²⁾ Technische Universität Dresden (Dresden University of Technology)	77
Agricultural Economics and Related Sciences Justus-Liebig-Universität Giessen (Justus-Liebig University Giessen) and Universität Hohenheim (University of Hohenheim)	79
Agricultural Economics – AgEcon²⁾ Universität Hohenheim (University of Hohenheim)	82
International Agribusiness Georg-August-Universität Göttingen (Georg-August University Göttingen) in partnership with University of Talca, Chile	84

Table of Contents

Page

Tropical and International Forestry²⁾ Georg-August-Universität Göttingen (Georg-August University Göttingen)	87
Master of Science in International Horticulture²⁾ Leibniz Universität Hannover (Leibniz University of Hannover)	89
Environmental Sciences	
International Studies in Aquatic Tropical Ecology – ISATEC Universität Bremen (University of Bremen)	92
Environmental Governance – MEG²⁾ Albert-Ludwigs-Universität Freiburg (Albert-Ludwig University Freiburg)	94
Medicine/ Public Health	
Master of Science in International Health (Berlin) Charité Universitätsmedizin Berlin (Charité Medical School Berlin), Humboldt Universität (Humboldt University) and Freie Universität Berlin (Free University of Berlin)	97
Master of Science in International Health (Heidelberg)²⁾ Ruprecht-Karls-Universität Heidelberg (Heidelberg University)	100
Veterinary Medicine	
Veterinary Public Health²⁾** Freie Universität Berlin (Free University of Berlin) in partnership with Chiang Mai University, Thailand	103
Sociology and Education	
Vocational Education and Personnel Capacity Building Technische Universität Dresden (Dresden University of Technology)	106
International Master Programme Higher Education Research and Development Universität Kassel (University of Kassel) International Centre for Higher Education Research Kassel (INCHER-Kassel)	109
Peace and Conflict Studies²⁾ Otto-von-Guericke-Universität Magdeburg (Otto-von-Guericke-University of Magdeburg)	112
DAAD Offices in Germany and in Developing and Transition Countries	115

* Biannual Admission – next intake 2010

** Biannual Admission – next intake 2011

1) Age limit: 32 years

2) Age limit: 36 years

The Programme at a Glance

Out of the large number of postgraduate courses offered by German institutions of higher education, the German Academic Exchange Service (DAAD) supports a carefully chosen selection of programmes which is of particular interest to junior executives from developing countries. These degree courses, which consist of one to two years of concentrated study, provide academically-trained young professionals in leading positions from developing countries with the opportunity to engage in postgraduate education and training in their particular field or profession.

At the present, postgraduate courses are offered in the following fields:

- **Economic Sciences/Business Administration/Political Economics**
- **Development Co-operation**
- **Engineering and Related Sciences**
- **Mathematics**
- **Regional Planning**
- **Agriculture and Forest Sciences**
- **Environmental Sciences**
- **Medicine and Public Health**
- **Veterinary Medicine**
- **Sociology and Education**

This booklet contains the selection of all postgraduate courses supported under the DAAD funding scheme "Development-related Postgraduate Courses".

The postgraduate courses themselves are responsible for contents and details concerning the individual programmes.

The courses are open to all eligible candidates. Applications are welcomed from professionals with personal financial resources, from those who are funded by their government or company, or from those who are recipients of financial support from international sponsoring organisations. In addition, a limited number of full and partial DAAD-scholarships are available.

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<http://www.daad.de/development>

Preface

Scholarships for Postgraduate Courses with Special Relevance to Developing Countries

1. General Information about the programme

- Postgraduate courses for young professionals from developing countries
- Duration: 12–24 months, depending on the particular institution
- Internationally recognised Master's degree
- Includes German Universities and "Fachhochschulen" (Universities of Applied Science)
- Support of selected programmes with a variety of full or partial scholarships
- Funded by the BMZ (Federal Ministry for Economic Cooperation and Development), but admission also open to self-financed participants or students financed through government or other sources
- Academic year 2010/2011

2. Prerequisites and Requirements

The typical scholarshipholder:

- Will come either from a public authority or a state or private company in a developing country and, as such, be engaged in the planning and execution of directives and projects with emphasis on development policies having a bearing on technological, economic or social areas.
- Holds a Bachelor's degree (4 years) in related subject.
- Will have completed an academic degree far beyond average and at least two years of related professional experience.
- Is not older than 36 (for some courses the age limit is 32), and his/her respective academic degrees should normally not be older than 3 years. Concerning a possible age limit, please refer to the course details on the following pages.

Language skills:

- For courses in German: DSH 2 or TestDaF 4; at time of application German skills at completed level A2 are required. In addition, German language courses at level A3 or B1 are highly recommended.
- For courses in English: TOEFL (minimum score: 550 paper based, 213 computer based, 80 internet based) or IELTS (band 6) certificate.
Note: Some courses may expect different level. For detailed information see the relevant course introduction on the following pages.
- **Exception:** Candidates for the course at Reutlingen University need a very good command of German at time of application.

Proof of current work situation:

All applicants should state their current work situation at the time of application and submit a letter of reference from their employer, ideally guaranteeing employment after completion of the postgraduate course.

Statement of motivation:

Applicants must submit a statement of motivation explaining why they are interested in attending a particular postgraduate course with reference to their current employment.

Application formalities:

If you have no private financial resources or cannot obtain a scholarship from your government, company or an international organisation, you may apply for a DAAD scholarship – either full or partial. DAAD application forms are available from the German Embassies, one of the DAAD offices abroad or directly at the University or Fachhochschule.

Applications from Cameroon, Myanmar and Nigeria must be submitted via the German Embassy.

Applicants from the People's Republic of China are required to enclose 2 address labels written in Chinese characters with their application documents.

Please note: Scholarships cannot be awarded without the official DAAD application form. Many courses, however, have their own forms which must be submitted in addition to this (see details under course description).

Applicants are requested to state whether they will be financing the desired degree course themselves or whether the course can only be taken with the assistance of a DAAD scholarship. Chances of admission to postgraduate courses will be greatly enhanced for academically qualified applicants with personal financial resources.

Application deadlines for DAAD-scholarships:

- At the German embassies and/or at the DAAD regional offices: 31 August
- At the DAAD section 431 in Bonn/Germany: 30 September
- At the respective universities in Germany: 15 October

The application deadlines at the respective universities may vary from course to course. Please check the relevant deadlines in this booklet.

IMPORTANT: Late applications cannot be considered!

Admission:

The relevant institution of higher education decides on admission to the postgraduate course and simultaneously submits a proposal for the allocation of scholarships. The final decision on the allocation of scholarships is made by the DAAD.

Please note that the selection process at all postgraduate courses listed in this booklet will last from the end of October until February.

3. List of the required documents (in the stated order)

- application form/s
- **hand-signed** CV (please use the europass specimen form at <http://europass.cedefop.europa.eu/>)
- **hand-signed** letter of motivation (with reference to current occupation)
- research exposé (if required by University)
- academic letter/s of recommendation from your University; the letter must have a signature and office stamp and must be of recent date (not in a sealed envelope)
- professional letter/s of recommendation from your employer; the letter must have a signature and office stamp and must be of recent date (not in a sealed envelope)
- confirmation of employment from the employer in your home country, and if possible, a guarantee of re-employment upon your return home
- Proof of language abilities: English – TOEFL or IELTS (Note: Institutional TOEFL will not be accepted); German – if available
- certified copies of academic transcripts
- certified copies of awarded academic degrees
- certified copy of School Leaving Certificate

Note: Some courses may expect additional documents. For detailed information please see the relevant course introduction on the following pages.

All papers must be submitted in identical duplicates. Applications which do not clearly state the desired degree course or which are not completed in full cannot be processed and will not be considered for the selection.

For economic and environmental reasons, please avoid using sheet holders and plastic folders in your application.

Institution	Hochschule für Technik und Wirtschaft (HTW) Berlin (University of Applied Sciences Berlin)
Location	<p>Berlin is Germany's capital. It has a population of over 3.5 million citizens and is the largest city in Germany as well as one of the ten largest metropolises in Europe. Berlin is a multicultural city with some 425,000 foreigners from 184 countries and draws on a long cosmopolitan tradition.</p> <p>Berlin is the most important academic centre in Germany with a large concentration of universities and research facilities. There are currently around 135,000 students enrolled at 15 universities.</p> <p>The University of Applied Sciences is Berlin's most recently founded and largest application-oriented University. It has over 8,000 students in 28 degree programmes in the areas of business administration, economics and management, engineering, informatics and design.</p>
Course focus	<p>The Master's in International and Development Economics (MIDE) is an 18-month, full-time programme in the Faculty of Economics. The course, which was first offered in 2003, begins in April each year at the start of the summer semester. It consists of two semesters with lectures & seminars of around 20 hours per week and a third semester dedicated principally to researching and writing a thesis.</p> <p>MIDE begins with courses which provide a solid foundation in modern theories of development economics, macroeconomics and international trade and finance. It then offers a wide range of optional courses focussing on policy and management issues in key economic sectors, including agriculture, financial institutions and public enterprises. Throughout the programme, MIDE strives to achieve a balance between theoretical debates and practical application.</p> <p>Graduates of the programme will be well equipped to work for international companies that operate in developing countries or for governmental or non-governmental institutions involved in development cooperation. In developing countries, graduates will be ideally suited for positions in government departments, banks, consulting organisations, multinational companies, chambers of commerce or educational institutions such as universities.</p> <p>Students are expected to have already acquired basic academic knowledge and skills in economics and business management in their undergraduate course.</p> <p>The programme is accredited as a Master's course by the Foundation for International Business Administration Accreditation (FIBAA).</p>
Target group	<p>The programme is designed for students from developing countries as well as for students from the EU and other developed countries who have a special interest in the economic challenges facing developing and transition countries.</p>
Course language	<p>The programme is taught entirely in English.</p>

Master's Programme in International and Development Economics – MIDE

Entry requirements	<ul style="list-style-type: none"> Academic degree in Economics, Business Administration or a Social Science programme that includes a solid introduction to economics. (The degree must be equivalent to a 3-year Bachelor's degree or German "Diplom". To find out whether your degree is equivalent, please contact mide@fhtw-berlin.de) Applicants holding a 3-year degree or equivalent should have a minimum of one year of professional experience. Applicants holding a more than 3-year degree can be admitted with no professional experience. Applicants for a DAAD scholarship must have at least 2 years of professional experience. Proof of English language skills: TOEFL score of 580 paper-based, 237 computer-based, 96 internet-based; IELTS-Test score of 6.0 or equivalent. If English was the language of instruction at the previous University, please supply proof. <p>You are advised to see the MIDE web page www.mide.fhtw-berlin.de for details regarding the admission requirements.</p>
Degree awarded	Master in International and Development Economics (Master of Arts)
Course begins	1 April 2010
Course duration	18 months
Duration of German language course prior to beginning of programme	2 months (for students awarded a scholarship)
Application deadline	31 August 2009 at the German Embassy and the DAAD in Bonn; 30 September 2009 at the University Please note: Students must always complete a MIDE application form (available at www.mide.fhtw-berlin.de)
For further information contact	Cindy Gottstein Course Administrator MIDE University of Applied Science Treskowallee 8 10318 Berlin Germany Phone: +49-(0)30-5019-2867 Fax: +49-(0)30-5019-2293 e-mail: mide@fhtw-berlin.de http://www.mide.fhtw-berlin.de

Technology and Innovation Management

Institution	Fachhochschule Brandenburg (Brandenburg University of Applied Sciences) in cooperation with the Brandenburgische Technische Universität Cottbus (Brandenburg University of Technology Cottbus)
Location	<p>Brandenburg on the Havel is located approximately 65 km west of the German capital city Berlin. More than 2,300 students are enrolled at the University of Applied Sciences, studying in modern teaching facilities and laboratories in a leafy campus setting, which is located in the centre of the city of Brandenburg.</p> <p>Students stay in student dorms nearby the campus, rent apartments or live in Berlin. The city of Brandenburg and the surrounding area provide an excellent public transportation system. The train link between Berlin and the city of Brandenburg takes only about 40 minutes.</p> <p>Students appreciate the excellent possibilities for social activities, such as movie theatres, museums, bars, clubs, etc.</p> <p>Cottbus, the easternmost city in Germany, located 130 km south-east of Berlin, is the second largest city in the state of Brandenburg. About 4,600 students study on a medium-sized campus with state-of-the-art facilities.</p> <p>The campus can be easily reached with the public transportation system.</p> <p>The enrolment fee includes free public transport in the state of Brandenburg and Berlin.</p>
Course focus	<p>As Technology and Innovation Manager you will work at the interface between technology and economy. You use your new strategic potential, management and leadership ability in an intercultural context.</p> <p>Innovation is the key to long-term business success. To compete in national and international markets new products must be placed at ever shorter intervals.</p> <p>Therefore the TIM-studies consider all relevant aspects of Technology and Innovation Management. The participants learn hands-on, how the future potential of new technology is evaluated, innovation marketing is organised or business plans and financing concepts are developed.</p> <p>For graduates and junior managers with an engineering or scientific background, the Master Course offers a chance to develop such skills in five main areas:</p> <ul style="list-style-type: none"> Fundamentals of Technology and Innovation Management Fundamentals of Business Administration Engineering Management Project Studies / Integrated Project, e.g., during an internship in a company Social Qualifications <p>The courses are taken as lectures, seminars, practicals, laboratory work, internships, projects, excursions, tutorials as well as integrated lectures and are held both at Brandenburg University of Applied Sciences and Brandenburg University of Technology Cottbus.</p>

Technology and Innovation Management

The Big Plus: International Orientation.

The postgraduate course "Technology and Innovation Management" at the Brandenburg University of Applied Sciences in cooperation with the Brandenburg University of Technology Cottbus has a strong international orientation, not only in the content of the studies but also in psychological momentum.

The motto: Globalisation need not be a threat but an opportunity.

Internationalisation is shown in the participation of students worldwide. Intercultural team management is meant seriously.

Target group	Graduates of engineering, natural and computer sciences
Course language	German and English
Entry requirements	<ul style="list-style-type: none"> • Diploma or Bachelor Degree in engineering, natural or computer sciences • Length of the studies, at least four years for non-EU members and three years for EU members • Proof of language skills in German (at least 800h) and English (at least IELTS band 6.5) • One year of professional work experience (two years for DAAD applicants)
Degree awarded	Master of Arts (M.A.)
Course begins	each winter semester
Course duration	24 months (4 semesters)
Duration of German language course prior to beginning of programme	4–6 months
Application deadline	30 September each year at Brandenburg University of Applied Sciences and DAAD; 31 August each year at the German Embassy in home country

Technology and Innovation Management

For further information contact

For general inquiries please contact:

TIM-Counsellor
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e-mail: auslandsamt@fh-brandenburg.de
<http://www.tim-master.de>

Small Enterprise Promotion and Training – SEPT

Institution	Universität Leipzig (University of Leipzig)
Location	<p>Founded in 1409 as the second University in Germany, the University of Leipzig has always committed itself to the principle of universitas litterarum.</p> <p>More than 190 disciplines are taught at the University's 14 faculties and 150 departments. An even wider choice of individual study programmes leads to Master's degrees and teaching qualifications. The courses offered at the University cover traditional subjects such as law, medicine, economics, social and natural sciences as well as new fields of academic interest like environmental sciences, media and communication studies. This wide range of study programmes reflects the needs of the various industries settled in and around Leipzig, a city which is frequently described as both a commercial and a cultural centre.</p>
Course focus	<p>Our International MBA programme in Small and Medium-Sized Enterprise Development is a research as well as a practice-oriented postgraduate programme.</p> <p>The two-year study programme focuses predominantly on economic issues ranging from support for small businesses coping with survival, up to promoting innovative, dynamic enterprises which can deal with intelligent decision-making tools and methodologies.</p> <p>Special issues addressed are the identification of innovation possibilities inside SMEs, and their growth potentials, as well as new concepts for promoting SMEs and generating positive multiplier effects on their business environments. Moreover, socio-economic and political considerations such as securing employment and generating income for the majority of the population are also taken into account.</p> <p>This approach facilitates qualified training for upcoming professionals and staff members from institutions who already hold a degree and have some practical experience in working with/in SMEs. Additionally, the course enables participants to work as multipliers in decision-making positions, provide support to small and medium-sized businesses and promote innovative entrepreneurs.</p> <p>Our MBA is a four-term course divided into three different sections: two terms of formal tuition and training at the University (2 semesters), including the possibility of practical training/internship in relevant institutions in Germany or elsewhere in Europe; a research project (preferably) in the participant's home country; followed by a finishing term at the University which covers the Master's thesis preparation and its respective colloquiums and follow-ups.</p> <p>The study content (2 semesters at the University) is taught in modules. The term module refers to a combination of lessons that are stretched over a certain time and connected by content and method. Modules will be assessed by a written exam, an essay, an oral examination or a project report, respectively.</p> <p>During the second semester, students can choose 2 of the 3 modules according to their own interests, which enables them to emphasise and concentrate on the subjects they prefer. Participating in additional courses without taking the respective exams is possible.</p>

Small Enterprise Promotion and Training – SEPT

	<p>For those students interested in gaining insight into institutions or firms dedicated to the promotion and development of small and medium-sized enterprises in Europe, our curriculum provides for the possibility that internship/practical training in Germany or Europe might be recognised as one of the elective modules. In addition to the courses, a one-week excursion to business promotion and development cooperation institutions in Germany will take place at the beginning of the 2nd semester.</p> <p>Students finish the programme with a Master's thesis dedicated to topics of SME development. A member of our faculty serves as thesis supervisor and helps to maintain rigor and continuity during the whole process. Every participant will carry out his/her research project in conjunction with an appropriate institution in the selected field in the student's home country. During this time empirical data collection takes place.</p> <p>Back in Germany, a final semester will be carried out where students will evaluate, present and discuss their research results. At the end of this process, they will hand in their Master's thesis documenting their research results.</p>
Target group	<p>The Master's programme targets upcoming professionals and resource persons with practical experience in promoting and managing small and medium-sized enterprises.</p> <p>German and foreign graduates with degrees in subjects such as economics, geography, business management, law, politics, administration, and related areas can apply.</p>
Course language	English
Entry requirements	<p>The general ability for undertaking this MBA must be verified by a qualifying degree. Special prerequisites for the study of SEPT are:</p> <ul style="list-style-type: none"> • An University degree, at least on a Bachelor level in economics, business, social, natural or engineering sciences or an equivalent degree after a minimum of 4 years of study from a renowned University • Broad knowledge of economic issues • Work experience of no less than 2 years • Good knowledge of English (TOEFL (P&P 554, CB 213, iBT 80 points) or IELTS (minimum 6.5)) • Written application • Chinese applicants are required to submit an 'APS-Certificate'; applications from Cameroon and Nigeria must proceed through the German Embassy. • Age limit at the start of study: 36 years
Degree awarded	Master of Business Administration in Small and Medium-Sized Enterprise Development (MBA in Small and Medium-Sized Enterprise Development)

Small Enterprise Promotion and Training – SEPT

Course begins	every year in October
Course duration	22 months
Duration of German language course prior to beginning of programme	Not compulsory but basic German language skills are highly recommended; 2 months language course for students awarded a DAAD scholarship
Application deadline	Scholarships: 31 August 2009 at the German Embassy; 30 September 2009 at DAAD in Bonn; 31 October 2009 at the University of Leipzig Self-financing students: 15 April 2010
Remarks	<ul style="list-style-type: none"> • Costs of SEPT Master's Programme: Euro 1,000 per term (Euro 4,000 in total) • Successful applicants for a full DAAD scholarship will be exempted from fees.
For further information contact	SEPT Beethovenstraße 15 04107 Leipzig Germany Phone: +49-(0)341-9737030 Fax: +49-(0)341-9737048 e-mail: sept@uni-leipzig.de http://www.uni-leipzig.de/sept

MBA Programme International Management

Institution	Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen (Nürtingen-Geislingen University)
Location	The city of Nürtingen with its 40,000 citizens is located in the Neckar Valley and belongs to the larger Stuttgart region, one of Europe's strongest economic areas. Nürtingen-Geislingen University enjoys a high reputation among businesses and professionals: short academic programmes, small groups and more hands-on practicality in teaching. The University achieved remarkable results in national rankings. A leading business magazine ranked it among the best Universities of Applied Sciences in Business Administration.
Course focus	<p>This accredited postgraduate Master of Business Administration (MBA) programme has two main objectives: Graduates from an institution of higher education with a non-business background will get the opportunity of acquiring fundamental knowledge in business administration, management and economics. Furthermore the programme provides the necessary knowledge and understanding of international economic relations, intercultural issues and business language.</p> <p>A good mix of professors and business practitioners hold lectures in German and English. During the Master's Programme students will learn to analyse international business and management problems. This enables students to find sound solutions for effective operations and sustainable economic success.</p> <p>Using teaching methods like case studies, team exercises and excursions to international corporations, the Master's Programme imparts knowledge and abilities in the following areas:</p> <p>Module Catalogue</p> <p>Module 01: Basic skills for Business and Management 01.1 Applied Managerial Quantitative Methods 01.2 English Business Communications</p> <p>Module 02: General Management 02.1 Concepts General Management 02.2 Corporate Strategic Planning Simulation</p> <p>Module 03: Managing People and Organisations 03.1 Organisation and Information Management 03.2 Project Management 03.3 Human Resource Management</p> <p>Module 04: Financial Resources 04.1 Accounting and Financial Statement Theory 04.2 Accounting and Financial Statement Exercise 04.3 Investment and Finance 04.4 Management Accounting</p>

MBA Programme International Management**Module 05: Value Chain Management**

- 05.1 Marketing Management
- 05.2 Supply Chain Management and Purchasing
- 05.3 Cases International Marketing

Module 06: Managerial Economics

- 06.1 Microeconomics
- 06.2 Macroeconomics

Module 07: Business Law

- 07.1 Basics Commercial Law
- 07.2 International Commercial Law

Module 08: International Business & Management

- 08.1 Cases International Management
- 08.2 Intercultural Competence

Module 09: International Financial Resources

- 09.1 International Reporting and Control
- 09.2 International Business Finance

Module 10: Theory and Practice of Foreign Trade

- 10.1 International Economics
- 10.2 Foreign Trade

Module 11: Business Strategy Cases

- 11.1 Strategic Direction/ Business Transformation

Module 12: Elective**Module 13: Paper Writing and Thesis****Module 14: Oral Master Exam**

Target group	Non-business graduates who want to work in positions requiring management know-how.
Course language	German and English
Entry requirements	<ul style="list-style-type: none"> • University degree or equivalent • At least 2 years of professional experience • Compulsory: DSH2 or TestDaF level 4 or equivalent, TOEFL (500 points paper based / 173 points computer based / 61 points internet based) or equivalent / GMAT is recommended. • An admission test takes place in August at Nürtingen University, before admission to the programme. • A GMAT replaces TOEFL and the admission test.
Degree awarded	Master of Business Administration (MBA) in International Management

MBA Programme International Management

Course begins	October
Course duration	18 months (3 semesters)
Duration of German language course prior to beginning of programme	2–6 months, depending on prior knowledge of applicant. Elementary German language skills (minimum level A2, B1) are required before applying to the programme.
Application deadline	For scholarship, apply the year prior to starting the programme. 31 August at the German Embassy; 30 September at the DAAD in Bonn; 15 October directly at Nürtingen-Geislingen University
Remarks	Special services: Tutoring, social activities, cultural activities
For further information contact	Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen Neckarsteige 6–10 72622 Nürtingen Germany Programme Administration Phone: +49-(0)7022-201-393 Fax: +49-(0)7022-201-303 e-mail: info-im@hfwu.de http://www.hfwu.de

MBA Programme in International Marketing

Institution	Hochschule Reutlingen (ESB Business School, Reutlingen University)
Location	The city of Reutlingen is located in the Neckar Valley in Southwest Germany, about 30 kilometres south of Stuttgart. As a middle-sized city of 100,000 inhabitants, it is a pleasant place for students to live and study. Reutlingen University has a first-class reputation. The results of two recent surveys conducted by the prominent Manager Magazine and the magazine Stern, have confirmed that Reutlingen University is one of the top ten universities for Business Studies within German-speaking Europe.
Course focus	<p>The MBA-Programme "International Marketing" offers a wide and practice-oriented preparation for international business activity. This additional education will provide students with extended knowledge of business management and economic correlations, marketing management, international marketing management, strategic management, project management, intercultural management, production management and business law.</p> <p>The course offers a supplementary qualification to graduates from any discipline who are interested in international activities. They require this supplementary qualification for employment in the competitive international markets. Many experts from the business world are involved as lecturers, and up-to-date teaching methods (e.g. case studies, teamwork, simulations) are used to ensure a strong practice orientation.</p>
Target group	Graduates from all academic disciplines can be considered except graduates with a first degree in economics, who can only be admitted in very exceptional cases.
Course language	German (70 %), English (30%)
Entry requirements	<ul style="list-style-type: none"> • First degree from a University or other recognised higher education institution • Very good command of German (DSH, TestDAF or Zentrale Oberstufenprüfung of the Goethe Institut) • Good command of English • At least two years of professional work experience
Degree awarded	Master of Business Administration (MBA)
Course begins	March/September
Course duration	18 months
Duration of German language course prior to beginning of programme	no German course offered

MBA Programme in International Marketing

Application deadline	15 January (summer semester), 15 July (winter semester) for DAAD scholarships: 31 August at the German Embassy; 30 September at DAAD in Bonn; 15 October at Reutlingen University
Remarks	In addition to the official DAAD application form, candidates are required to submit a particular course application form which is available at www.reutlingen-University.de (applicants).
For further information contact	<p>Reutlingen University ESB International MBA Programme Kerstin Bender Alteburgstr. 150 72762 Reutlingen Germany</p> <p>Phone: + 49-(0)7121-271-3054 Fax: + 49-(0)7121-271-3056 e-mail: kerstin.bender@reutlingen-University.de http://www.esb-reutlingen.de</p>

Development Co-operation

Development Management

Institution	Ruhr-Universität Bochum, Institute of Development Research and Development Policy
Location	Ruhr-Universität Bochum is located in the industrial heart of Germany. With approx. 33,000 students (4,500 international students) and a staff of 5,000, the Ruhr University Bochum is one of the most diversified German universities. Various central facilities, like the University Library, and relaxation opportunities like the Botanical Gardens, are open to all students. Furthermore, the Ruhr area is one of the most culturally interesting regions in Europe, and numerous parks and green areas form a natural attraction.
Course focus	<p>The aim of the 18-month MA in Development Management is the training of professionals to meet the increasing need for experts in programme and project management that has emerged in international development cooperation.</p> <p>The course gives the student a solid theoretical background and introduces the necessary tools for dealing with the practical problems of managing development programmes and projects. Elements of the curriculum are:</p> <ul style="list-style-type: none"> • an introduction to relevant theories in social science and economics • methods of empirical social research and project cycle management • the application of theoretical and methodological knowledge <p>During their first semester, students are given an interdisciplinary introduction to relevant theories and strategies of development. Students will learn about actors in international development cooperation and the role of institutions for development and will be faced with relevant case studies. In consultation with the course coordinator, students will select a research problem related to a development programme or project as the starting point for their MA Thesis project. This project is preferably related to their home country.</p> <p>After the first semester, students can undertake a two-month internship in Germany in a development organisation or a corporation in the private sector.</p> <p>Based on the knowledge of relevant theories and tendencies in international development cooperation students obtained during the first semester, the second semester is taken up with learning about the variety of methods of programme and project planning, implementation, and evaluation. Students are required to apply their knowledge to case studies related to the programme or project chosen in the first semester and to present the results in a seminar paper.</p> <p>After the second semester, students undertake fieldwork on projects and programmes in international development cooperation in developing countries. This will form the empirical basis of their MA Thesis project.</p> <p>In the third semester, students concentrate on writing up their thesis, which has to contain theory, methodology, and the results of the fieldwork. The thesis is designed to demonstrate the student's ability to embed the research in the scientific debate and to communicate it in a clear and coherent way.</p>
Target group	Young professionals from all over the world with a B.A. or relevant degree and practical experience with relevance to development management.

Development Co-operation

Development Management

Course language	English
Entry requirements	<ul style="list-style-type: none"> • B.A. or relevant degree in political science, social science, law, economics or geography or in other subjects related to the planning and evaluation of development programmes and projects • At least two years career experience in a relevant field; Preference is given to candidates whose employers offer a reintegration guarantee. • Minimum certified proficiency in written and spoken English – TOEFL: 79–80 points internet based (equivalent to 213 points computer based or 550 paper based) or IELTS: band 6
Degree awarded	Master of Arts in Development Management
Course begins	September 2010
Course duration	18 months
Duration of German language course prior to beginning of programme	2 months
Application deadline	31 August 2009 at the German Embassy; 30 September 2009 at DAAD in Bonn; 15 October 2009 at the University
Remarks	<ul style="list-style-type: none"> • Throughout the entire programme we offer intensive coaching. Research Fellows of the IEE act as mentors to small groups of up to 3–4 students especially for the MA Thesis projects. • Two summer schools on Methods of Empirical Social Research and Development Practice – held in Germany and in South Africa – together with the students of the Bochum Programme of Development Management at the South African-German Centre for Development Research at the University of the Western Cape, are part of the programme.
For further information contact	Institute of Development Research and Development Policy Ruhr-Universität Bochum Dr. Gabriele Bäcker Universitätsstr. 150 44801 Bochum Germany Phone: +49-(0)234-32-27770-22418 Fax: +49-(0)234-32-14294 e-mail: ieemdm@ruhr-uni-bochum.de http://www.development-research.org/

Bonn Interdisciplinary Graduate School for Development Research – BiGS-DR

Institution **Universität Bonn, Zentrum für Entwicklungsforschung (ZEF)
(University of Bonn, Center for Development Research)**

Location With a student population of 30,000 including 3,000 international students, the University of Bonn is not only one of the largest in Germany but also an institution rich in tradition. Proof of its international reputation is to be found in its partnerships with the most distinguished universities in Europe, North America, Asia and Australia. The city of Bonn can look back upon a history of more than 2,000 years. In its new role as Federal City, Bonn has become headquarters for a large number of international institutions.

The Center for Development Research (ZEF) in Bonn, Germany, offers the Bonn International Graduate School for Development Research in English language. The Programme is an initiative to provide a high-qualification to up-coming young scientists engaged in political, social and natural sciences, economics, ecology, agriculture and management of natural resources. It offers doctoral degrees of a top academic standard.

Course focus The Doctoral Programme at ZEF is designed to give particular consideration to the academic needs of students from developing countries. ZEF provides intense study counselling and academic support services by tutors and mentors. Guided by ZEF, and following consultations with a potential thesis supervisor identified by ZEF, the doctoral thesis is submitted to a co-operating faculty in Germany or abroad. The doctoral degrees may be in Social or Political Science, Economics, Agricultural Economics, Agriculture or Natural Science.

In general, the Doctoral Programme has a clearly-defined length of 38 months: although the programme is exclusively in English, it starts with a German language course (duration 2 months) to facilitate living in Germany. After an initial phase of 6 to 12 months for preparation with a tightly organised course programme, the doctoral candidates conduct their research at their specific locations abroad, usually in their home country, in an environment with qualified advisors and supervisors. After their empirical research (normally one to two years), the candidates return to ZEF for the write-up of their thesis. Although the individual phases of the doctoral study might vary according to discipline and subject, the complete duration is fixed. The doctoral thesis has to be accomplished within 38 months.

The limited number of participants (max. 35 students) in the courses allows for intensive interaction. The students learn to work in teams and to identify and analyse problems of development and elaborate possible solutions.

The Center for Development Research (ZEF) is a multi-facultative and interdisciplinary institution with three departments:

- (1) Political and Cultural Change Director: Prof. Dr. Solvay Gerke
- (2) Economic and Technological Change Director: Prof. Dr. Ulrich Hiemenz
- (3) Ecology and Resource Management Director: Prof. Dr. Paul L.G. Vlek

Bonn Interdisciplinary Graduate School for Development Research – BiGS-DR

By pooling the expertise of the three departments, this three year Doctoral Programme enables the students to take advantage of ZEF's exceptional strength in interdisciplinary development research and cooperation with national and international institutions.

The doctoral research areas: The research plan to be submitted by candidates should be formulated in reference to the core research themes of ZEF and its constituent departments (see below). In exceptional cases, ZEF may also consider proposed Ph.D. projects which lie outside.

ZEF's crosscutting research areas are: Land Use, Water Security, Biodiversity, Sustainable Energy, and Health. The research areas of the three departments are (1) Institutions and Strategic Groups, Social and Cultural Diversity, Knowledge Governance; (2) Growth, Inequality and Poverty, Globalisation and International Trade, Natural Resources, Conflict and Vulnerability, (3) Ecosystem management, Environmental Flows, Environmental Change, Environmental Impact Analysis. More details are available at www.zef.de

Course language English

Target group The targeted group of participants are students around the world with outstanding Master (first or upper second class honours) or equivalent degrees acquired in their home countries or from elsewhere; young scientists from universities or already employed in national or international research institutions, government, or the private sector with a keen interest in interdisciplinary approaches to problem solving.

Since its inception in 1999, 413 Ph.D. students from 74 countries have participated in the International Doctoral Programme for Development Studies at ZEF, and 202 of them have completed Ph.D. theses at ZEF; 77 of them were external Ph.D. students. At the moment, 134 students are enrolled in the programme.

Entry requirements

- A successful application requires an excellent Master or equivalent degree (G.P.A. greater than 3.0 in the American system, grade better than 2.0 in the German system or equivalent) in Economics, Political Science, Agricultural and Resource Economics, Engineering, Geography, Mathematics, Natural Science or Agriculture.
- Prior to sending the application documents and filling out the application form, each applicant must register online at www.zef.de. During online registration you will be asked to enter your personal data and information. After successful submission of your online registration, you will receive a confirmation by e-mail. This e-mail message contains your registration number and all necessary information required for your application. Please note that your online registration helps accelerate the selection and admission procedure, it IS NOT a substitute for the required documents sent by air or surface mail to the programme coordinator's office.

- The application has to be written in English and must include: in addition to the official DAAD application form, a particular course application form which is available at www.zef.de, a letter of application (1 page), an abstract of the Master or Diploma thesis in English, as well as information on any previous study or research work considered to be significant for the application, a plan of proposed research (about 10 pages), letters of recommendation and completed reference forms from two professors or supervisors, a curriculum vitae and copies of all relevant certificates of degrees obtained. Incomplete applications are not considered. The complete application including the official DAAD application form has to be sent to ZEF. Certified proficiency in English – TOEFL (minimum 550 points or internet-based test: 80 points) or IELTS (band 6) – certificate;
- Age limit: 32 years for resident scholarships and for the sandwich scholarships

Degree awarded In consultation with ZEF, the doctoral thesis may be submitted to any co-operating faculty in Germany or abroad (as sandwich-models). The doctoral degrees may be in Social Science, Economics, Agricultural Economics, Agriculture, Natural Science. Course begins every year in August (German language course, optional) or October (course programme).

Duration of German language course prior to beginning of programme Although the programme is exclusively in English, it starts with a German language course (duration 2 months) to facilitate living in Germany.

Course begins Course modules start in October, yearly.
A two-month German language course starts on 1 August, yearly.

Course duration In general, the Doctoral Programme has a clearly-defined length: After an initial phase of 6 to 12 months for preparation with a tightly-organised course programme, the doctoral candidates conduct their research at their specific location abroad, in an environment with quality advisors and supervisors. After their empirical research (normally one to two years), the candidates return to ZEF for the write-up of their thesis. Although the individual phases of the doctoral thesis might vary according to discipline and subject, the total duration is fixed. The doctoral thesis has to be accomplished within 38 months (including the German language course).

Application deadline The application deadline for the DAAD scholarships for the courses starting in the following year is: 31 August.
Applicants for other scholarships and self-funding applicants may submit their applications at any time.
Applying to the Bonn International Graduate School for Development Research (BiGS-DR) involves two steps:
(1) Online registration at www.zef.de, and
(2) Submission of all application documents directly to ZEF (only one hard copy)

- Remarks**
- The Doctoral Programme at ZEF is designed to give particular consideration to the academic needs of students from developing countries. ZEF provides intense study counselling and academic support services by tutors and mentors.
 - The limited number of participants (30 to 35 students) in the courses allows for intensive interaction. The students learn to work in teams and to identify and analyse problems of development and elaborate possible solutions.
 - Appropriate financial support for the research agreed upon will be made available from donors and ZEF resources.

For further information contact Center for Development Research (ZEF)
Bonn Interdisciplinary Graduate School for Development Research (BiGS-DR)
Dr. Günther Manske
Walter-Flex-Str. 3
53113 Bonn
Germany
Phone: +49-(0)228-73-1794, -1727
Fax: +49-(0)228-73-1839
e-mail: docp.zef@uni-bonn.de
<http://www.zef.de>

Engineering and Related Sciences

Tropical Hydrogeology, Engineering Geology and Environmental Management – M.Sc. TropHEE

Institution	Technische Universität Darmstadt (Technical University of Darmstadt)
Location	Darmstadt is located 30 km south of Frankfurt/Main and 60 km north of Heidelberg in the centre of one of Europe's most industrious and flourishing areas. In 1997 the city's name was officially changed to Wissenschaftsstadt Darmstadt (Darmstadt – City of Science) in appreciation of the city's excellent reputation as the home of public and private scientific institutions, research oriented industries and three institutions of higher education. The University offers a wide range of subjects. A close cooperation between science and the economy is an indispensable prerequisite for success. For that reason students are encouraged to learn how to put scientific ideas and principles into effect. Research projects are initiated and financed to a large extent by industrial and commercial companies. More than 14 per cent of the approximately 16,000 students are foreigners, much higher than the German University average of 8 per cent.
Course focus	The aim of the Master course TropHEE is the combination of a comprehensive understanding of geoscientific fundamentals with a specific focus on the essential issues: Hydrogeology, Engineering Geology and Environmental Management. TropHEE also offers practical experience with modern geotechnical and chemical laboratory equipment as well as field techniques.
Target group	Geoscientists, such as geologists, geoecologists, geophysicists, mineralogists, geographers, soil scientists and civil engineers who need to acquire additional skills in hydrology, engineering geology and/or environmental management of tropical and subtropical regions.
Course language	English
Entry requirements	Adequate English ability (TOEFL 570, CBTOEFL 230, IELTS 6.5, UCLES CAE pass, UNICERT III)
Degree awarded	Master of Science (TropHEE)
Course begins	Every year in October
Course duration	2 years
Duration of German language course prior to beginning of programme	A German language course is not required; however, students are encouraged to attend German courses offered by the University. 2 months for scholarship holders
Application deadline	March of the year in which the student wants to start her/his studies For DAAD applicants: 31 August at the German Embassy; 30 September at DAAD in Bonn; 15 October at the University

Engineering and Related Sciences

Tropical Hydrogeology, Engineering Geology and Environmental Management – M.Sc. TropHEE

For further information contact	Institute of Applied Geosciences Technische Universität Darmstadt Schnittspahnstraße 9 64287 Darmstadt Germany Course Office Phone: +49-(0)6151-16-2571 Fax: +49-(0)6151-16-6539 e-mail: trophee@geo.tu-darmstadt.de http://www.trophee.tu-darmstadt.de
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Engineering and Related Sciences

Hydro Science and Engineering

Institution	Technische Universität Dresden (Dresden University of Technology)
Location	The Technische Universität Dresden is one of the largest universities in Germany with an enrolment of about 34,500 students. Around 10 per cent of the students are international coming from approximately 100 different countries. The University hosts 14 faculties; the Faculty of Forestry, Geo- and Hydro Sciences is one of the largest (with approx. 2,700 students). The city of Dresden, the capital of Saxony, is home to half a million inhabitants. Dresden is located on the Elbe River and renowned for its Frauenkirche, opera, concert halls, theatres, museums, and art galleries. Students can enjoy a large variety of pubs and cafes. Dresden is surrounded by wide forests and mountainous areas offering a plenitude of opportunities for hiking, biking, mountain climbing, swimming and skiing.
Course focus	<p>The graduate programme focuses on the transdisciplinary fields of water and natural resources management and engineering in different climatic zones. It is designed to enable the participants to acquire and expand their professional and methodological qualifications. This programme meets the international standards required to pursue and develop careers within national and international authorities and organisations, engineering and consulting enterprises as well as research work.</p> <p>The M.Sc. programme will convey knowledge about protecting and managing water resources in different climatic zones, as well as designing and constructing water supply and waste water treatment. The course of study is divided into basic and advanced courses during the first three semesters.</p> <p>A final semester is dedicated primarily to the Master's thesis. During the basic courses, students attend lectures on statistics, meteorology, hydrology, geodesy, and soils. Students with a degree in environmental sciences need to take classes in hydromechanics and hydraulic engineering. Students with a degree in engineering need to study ecology and water chemistry. During the advanced courses, students choose five of the following modules: i. Global Change; ii. Hydrogeology; iii. Aquatic Ecology; iv. Systems Analysis; v. Watershed Management; vi. Water Quality; vii. Urban Water; viii. Biotechnology; ix. Flood Risk Management I; x. Flood Risk Management II. In addition, several study projects are required.</p>
Target group	Limited to graduates (Bachelor) in environmental sciences or engineering disciplines as well as professionals after successful study and at least one year of practice
Course language	English
Entry requirements	<p>Applicants must hold at least a Bachelor degree in environmental sciences or civil engineering and prove sufficient proficiency in English. The most widely recognised tests are:</p> <ul style="list-style-type: none"> • IELTS: required level 6.0 • TOEFL: required level pbt 550, cbt 213, ibt 79 points • Tests of equivalent standard will be considered only exceptionally

Engineering and Related Sciences

Hydro Science and Engineering

Degree awarded	Master of Science (M.Sc.) in Hydro Science and Engineering
Course begins	October 2010
Course duration	24 months
Duration of German language course prior to beginning of programme	2 months (August–September) for DAAD or IPSWaT scholarship holders.
Application deadline	31 August 2009 German Embassy; 30 September 2009 DAAD in Bonn; 15 October 2009 TU Dresden
Remarks	Professional experience is not essential for the course but treated as an additional criterion. (For DAAD applicants, two years of professional work experience are required).
For further information contact	<p>Technische Universität Dresden Faculty of Forest, Geo and Hydro Sciences Department of Hydro Sciences 01062 Dresden Germany Prof. Dr. Christian Bernhofer Dean of Study Phone: +49-(0)351-46331340 Fax: +49-(0)351-46331302 e-mail: bernhofer@tu-dresden.de</p> <p>Department of Hydro Sciences Phone: +49-(0)351-46337524 Fax: +49-(0)351-46337288 e-mail: frwasser@mailbox.tu-dresden.de</p> <p>Dr. Sabine Hahn-Bernhofer Hydro Science and Engineering Phone: +49-(0)351-46331237 Fax: +49-(0)351-46331302 e-mail: contact@hse-master-programme.de http://hse-master-programme.de</p>

Textile and Ready-Made Clothing Technology

Institution Technische Universität Dresden
(Dresden University of Technology)

Location The Technische Universität Dresden dates back to the Technische Bildungsanstalt Dresden founded in 1828 and thus ranks among the oldest technical-academic educational establishments in Germany. The TU Dresden has about 35,000 students and almost 4,200 permanent employees (excepting the Faculty of Medicine), including 419 professors, making it the largest university in Saxony today.

Having been committed to sciences and engineering before the reunification of Germany, TU Dresden is now a multi-disciplinary university, also offering humanities and social sciences as well as medicine. There are very few universities in Germany that can match this broad scientific spectrum.

The local citizens (500,000 inhabitants) and visitors from all over the world have always considered Dresden a unique city, with a fascination shaped by the ups and downs of a tempestuous history. The latter is especially reflected in Dresden's townscape, which boasts world-renowned architecture and extensive villa-style residential districts. An endless variety of events in the arts and culture, as well as a charming location in the Elbe valley are factors contributing to the excellent quality of life in Dresden. The city itself owes its standing not only to its unrivalled cultural institutions, but also to its modern industrial facilities and the numerous research institutes which work together closely with the university.

Course focus The Master course presents the possibility of an interdisciplinary education in the field of Textile and Clothing Technology. The objective is a graduate who understands the field of Textile and Clothing Technology in its complexity, is acquainted with innovative fields of research, and can apply his/her acquired specialised knowledge in a future professional occupation, especially in research, industry, teaching or international cooperation. The graduate is qualified for development in technical executive functions in the textile and clothing industry, especially in companies developing technical textiles, but also in textile machinery, in research institutions, and in education or public service.

The course of studies is research-oriented. The content of teaching emphasises ongoing research projects, especially in the Master thesis.

The modules Mathematics, Computer Applications in Mechanical Engineering, Technical Mechanics, Machine Elements/Design, Mechanisms and Ergonomics/Management impart the mathematical, scientific, business as well as engineering basics for Textile and Clothing Technology.

The modules Textile Materials and Testing Technology, Processes and Machines of Textile Technology, Processes and Machines of Ready-Made Clothing Technology, and Specialisation Modules I and II broaden professional knowledge, especially since the latest research results are communicated in different forms of lecturing. Experts from within and without the university are invited to give lectures on the latest developments in textile technology. In both specialisation modules the student is offered up-to-date, research-based lectures according to his/her personal interest and considering his/her potential professional orientation in future.

Textile and Ready-Made Clothing Technology

In the Master thesis the student is to prove that he/she is able to work independently with scientific methods on a problem of current research subjects in Textile and Clothing Technology and demonstrate and represent the results at a colloquium.

The course is divided into modules and requires four semesters of study. The modules are offered during the first three semesters and the first six weeks in the beginning of the fourth semester. The remainder of the fourth semester is scheduled for the Master thesis (four months) as well as the colloquium.

The course consists of 12 compulsory modules. The Specialisation Modules I and II listed in the field modules include optional subjects, which offer the opportunity for students to choose according to their preferences.

The curriculum and the objectives of the course, forms of lecturing and studying, requirements, suitability, frequency, required work, as well as duration of each module can be found in the module description.

The appropriate distribution of the modules over the individual semesters can be taken from the study plan. Following this plan guarantees course completion within the time limit of two years.

Credits document the average extent of work of the students as well as the individual progress of their studies. One credit equals 30 hours of work. Usually there are 60 credits assigned to each year of studies, 30 per semester. In total, 120 credits can be acquired in the subjects indicated in the module descriptions, as well as through study and examination achievements, but also through self-studies including the Master thesis and the colloquium.

In principle credits for the modules are only awarded if the module examination is passed. The module descriptions explain in detail how many credits can be earned for one module and under which conditions this is possible. In general, each subject is examined in written and/or oral form and students will receive a certain number of course credits. At the end of the course they have to write and defend their Master thesis.

Target group Experts in leading technical functions including the management and marketing of the textile, clothing and ready-made clothing industries; experts in institutions of education and research as well as in agencies and government departments of developing countries; experts cooperating in national and international organisations with at least 2 years of professional experience.

Course language Considering the important and innovative position of the German textile machinery industry as well as the intensive research activities in the field of technical textiles in Germany, this course is offered in German only.

This opens the opportunity for the graduates to study the relevant literature published mostly in German and supports intercultural cooperation in science, business and education.

The module "Scientific-methodical and Experts Seminar" about innovative fields of research is held partially in English by international guest lecturers and industry representatives in addition to the studies in German.

Textile and Ready-Made Clothing Technology

Entry requirements	<ul style="list-style-type: none"> • First vocationally qualifying international University degree (B.Sc.) in the field of Mechanical Engineering, Textile Engineering, Textile Technology, Ready-Made Clothing Engineering, Ready-Made Clothing Technology, Textile Chemistry or Textile Finishing, including at least 2 years of relevant career experience in the field of the intended Master's degree before applying for the DAAD scholarship • Minimum: DSH 1 or TestDaF (grade 3)
Degree awarded	Master of Science (M.Sc.)
Course begins	October 2010
Course duration	24 months
Duration of German language course prior to beginning of programme	6 months
Application deadline	31 August 2009 at the German Embassy; 30 September 2009 at DAAD in Bonn; 15 October 2009 at the University
Remarks	<ul style="list-style-type: none"> • A six-month German course begins early April 2010. It is vital, however, that you start learning German as soon as you decide to apply for admission and/or scholarship. • At the time of application German skills at level A2 are required. In addition, German language courses at level A3 or B1 are highly recommended.
For further information contact	Technische Universität Dresden Fakultät Maschinenwesen Institut für Textil- und Bekleidungstechnik Prof. Dr.-Ing. habil. Dipl.-Wirt. Ing. Ch. Cherif or Dr.-Ing. Joachim Arnold 01062 Dresden Germany Phone: +49-(0)351-46339300 Fax: +49-(0)351-46339301 e-mail: joachim.arnold@tu-dresden.de http://www.tu-dresden.de/mw/itb/itb.html

Master of Engineering in Energy and Environmental Management
Specialisation "Sustainable Energy Systems and Management
in Developing Countries" – SESAM

Institution	Universität Flensburg (University of Flensburg)
Location	<p>Situated on the German-Danish border at the end of a beautiful fjord, Flensburg, a city of seafarers and traders, is more than 700 years old. With its quaint alleyways and picturesque courtyards, Flensburg exudes a charm all its own – open to the world, but still on a human scale. A 10-minute bus ride takes you from the centre of the city to the campus. The new campus, which the university has shared with the Flensburg University of Applied Sciences since 2002, offers all the facilities that you can expect from a modern university, including student accommodation. The Energy and Environmental Management course is part of the International Institute of Management which is located outside the campus, just a 5-minute walk from the city centre.</p> <p>Founded in 1946, Flensburg University is a young, small university with approximately 4500 students. It is innovative and international, offering programmes in different fields of management and education. The compact campus and the size of the university allow students direct and easy personal contact to both lecturing and administration staff.</p>
Course focus	<p>Solving the problem of climate change and eradicating extreme poverty are the two big challenges of the 21st century. The energy sector is one of the key sectors that needs to achieve sustainable development and growth within both developing and industrialised countries.</p> <p>Sustainable energy systems for social and economic development are the focus of the 18-month Master programme "Energy and Environmental Management". The course of studies leads to the degree of a "Master of Engineering in Energy and Environmental Management" (Industrial Engineering). This degree entitles its holder to the professional title of "Wirtschaftsingenieurin" or "Wirtschaftsingenieur" which is legally protected in Germany.</p> <p>The programme qualifies professionals to work in key positions of the energy industry, governments, NGOs and international organisations. To take into account the different situations and the specific objectives of sustainable development in industrialised and in developing countries, the programme offers two branches of specialisation: "Energy and Environmental Management in Industrialised Countries" and "Sustainable Energy Systems and Management in Developing Countries" (SESAM). Both specialisations offer a thorough training in energy and environmental economics, energy technology and energy management. Additionally, SESAM puts special emphasis on improving access to modern energy services based on renewable energy, on energy planning and on project management.</p> <p>The specialisation in SESAM is made up of three subject areas:</p> <ul style="list-style-type: none"> • Business Economics and Energy Economics • Project Management in Development Cooperation • Renewable Energy and Energy Planning

**Master of Engineering in Energy and Environmental Management
Specialisation "Sustainable Energy Systems and Management
in Developing Countries" – SESAM**
Business Economics and Energy Economics

The compulsory modules "Foundations of Sustainable Energy Systems" and "Environmental Economics" deliver basic knowledge and understanding of the macroeconomic interrelation of environmental and energy related problems.

Project Management in Development Cooperation

Basic competencies in planning and steering development projects are taught in two compulsory modules on "Project Management in International Development Cooperation". Optional modules on "International Organisations and Development Strategies" and "Quality Management in Projects" allow students to specialise.

Renewable Energy and Energy Planning

Students have to pass two compulsory modules on energy planning: "Sustainable Energy Planning in Rural Areas" and "Applied Informatics in Energy Planning". All students have to select two further engineering modules from among the four modules "Renewable Energy I", "Renewable Energy II", "Rational Use of Energy" and "Minigrids". This allows students to specialise according to individual interests and the needs of their home countries.

After successful completion of all modules, the students take part in an "International Class", a five-week, project oriented field research abroad. During the "International Class" students work in a multidisciplinary team on a development oriented problem of sustainable energy use. This allows students to apply their knowledge in engineering, economics and social sciences and thereby deepen their methodological competencies in consultancy work and in planning sustainable energy systems.

The last six months of the programme are assigned to the Master's Thesis and the final oral exam, which is usually based on a field research on energy related problems in a developing country.

Target group Engineers and Industrial Engineers with work experience in the energy sector

Course language English

Entry requirements B.Eng. or equivalent University degree after a minimum of 4 years of studies.

- Professional experience of at least two years in a field related to the course focus
- Proficiency in the English language (TOEFL iBT Score 80, IELTS Band 6 or equivalent)
- Students with a technical engineering degree not having a proven qualification in economics, have to participate in a 2 month preparation module (bridging course) on economics, which begins in January every year at the university.
- For applicants without adequate knowledge of German, a German language course begins in March every year at the university (1 month intensive, plus lessons accompanying the course thereafter). Participation is compulsory for DAAD scholarship holders.
- Age limit: 36 for DAAD scholarship applicants

**Master of Engineering in Energy and Environmental Management
Specialisation "Sustainable Energy Systems and Management
in Developing Countries" – SESAM**

Degree awarded Master of Engineering (Industrial Engineering) in Energy and Environmental Management

Course begins April every year

Course duration 18 months

Duration of German language course prior to beginning of programme 1 month

Duration of Bridging course on economics prior to beginning of programme 2 months

Application deadline Scholarships:

31 August 2009 at the German Embassy;
30 September 2009 at DAAD in Bonn;
31 October 2009 at the University of Flensburg
Self-financing students: 15 May 2010

Remarks The application form must be accompanied by:

- CV
- School and University transcripts
- Certificates proving award of Bachelor Degree
- Proofs of work experience and qualifications
- Language certificates
- Expectations towards the course and individual motivation for application
- two letters of reference

In addition to the official DAAD application form, candidates are required to submit a particular course application form which is available at www.iim.uni-flensburg.de/sesam

For further information contact University of Flensburg
International Institute of Management
SESAM

Munketoft 3 b
24937 Flensburg
Germany

Phone: +49-(0)461-805-2503

Fax: +49-(0)461-805-2505

e-mail: sesam@uni-flensburg.de

<http://www.iim.uni-flensburg.de/sesam>

Geotechniques and Infrastructure in Civil Engineering and Surveying

Institution	Leibniz Universität Hannover (Leibniz University of Hannover)
Location	The University of Hannover with more than 30,000 students and about 1,700 employees (including 400 professors) offers a broad study spectrum from natural sciences and engineering to economics, law and the humanities. Hannover is a cultural centre in northern Germany. It has several theatres, an opera house and a number of museums. Touristic highlights are the Old Town Hall, the Market Church and the Leibniz House, where Gottfried Wilhelm Leibniz lived from 1646 up to his death in 1716. Because of its numerous parks, Hannover is a very green city.
Course focus	<p>Objectives:</p> <ul style="list-style-type: none"> • Applying modern, practical methods and technologies in civil engineering based on a scientific background, • Conveying extended practical and theoretical knowledge, • Considering the home countries' resources when using new construction methods, • Theoretical and experimental training at the University of Hannover <p>Students are offered 22 courses at the AGTZE (Working Group on Technological Cooperation with Developing Countries). At least 12 of these 22 courses have to be selected and completed successfully within the assigned time for completing the course. Four of these courses are compulsory (underlined in following list): the remaining eight courses are electives. The programme offers the following courses:</p> <p>Experimental Soil Mechanics, Software Methods, Road Technology, Material Testing and Quality Control, Concrete Technology, Field Measurements and Instrumentation in Geotechnical Engineering, Foundations and Special Ground Construction, Earthworks and Dam Construction, Tunneling, Securing of Excavations, Computer Graphics, Water Resources, Water Management in Developing Countries, Traffic Planning, Road Design, Construction Management, Bridge Construction, Geographical Information Systems, Soil Mechanics, Land Registration and Land Management, Sanitary and Environmental Engineering.</p>
Target group	Civil engineers from developing countries looking for an additional academic qualification in order to manage different projects in their home country using domestic resources.
Course language	Exclusively German
Entry requirements	<ul style="list-style-type: none"> • B.Sc. or equivalent University degree after a minimum of four years of university education with above average results and at least two years of professional experience • DSH (Level 2) or TestDaF (Level 4) before language course • Age limit: 36 years
Degree awarded	Master of Science in Geotechniques and Infrastructure (M.Sc.)

Geotechniques and Infrastructure in Civil Engineering and Surveying

Course begins	in October (winter semester) each year
Course duration	24 months (courses 20 months, final work 3 months, internship 1 month)
Duration of German language course prior to beginning of programme	4 months (from June to September) prior to the course as full-time programme and during the first semester as part-time programme, Language test in February at the end of the first semester
Application deadline	31 August 2009 at the German Embassy; 30 September 2009 at DAAD in Bonn or 30 September 2009 at the University of Hannover For the intake in winter semester 2010/2011
Remarks	<ul style="list-style-type: none"> • Submitted documents will not be returned • Only certified copies will be accepted
For further information contact	<p>Leibniz University of Hannover Working Group on Cooperation with Developing Countries Prof. Dr.-Ing Martin Achmus Appelstraße 9A 30167 Hannover Germany Phone: +49-(0)511-762-3370, -3735 Fax: +49-(0)511-762-5105 Contact: Mark Klameth e-mail: info@agtze.uni-hannover.de http://www.agtze.uni-hannover.de/</p>

Resources Engineering

Institution	Universität Karlsruhe (TH) (University of Karlsruhe)
Location	<p>The Universität Karlsruhe (TH) was founded in 1825 as one of the first technical universities in Germany. The Universität Karlsruhe (TH) is top-rated among European universities; in 2006 it was voted one of the top three German universities. Eleven faculties and 117 institutes as well as many central facilities provide services for the theoretical and practical education of 18,000 students. At present about 20% of the students are international, coming from foreign countries from all over the world.</p> <p>The city of Karlsruhe was founded in 1715. Today, it has about 270,000 inhabitants. It is located in the west of the state of Baden-Württemberg in the Upper Rhine valley bordering the Black Forest and France. The region around Karlsruhe has the highest per capita number of researchers in Germany.</p>
Course focus	<p>The programme offers a multidisciplinary approach to natural resources engineering and management. The focus is on sustainable development of water resources, considering both human utilisation and natural preservation aspects. The curriculum consists of courses oriented towards acquiring disciplinary expertise and courses oriented towards learning integrated planning. Upon returning to their home countries, graduates are enabled to take positions in support of sustainable development of water resources.</p> <p>Water is the uniting "element" between soil and atmosphere. Water serves as the uniting element among the courses in this programme with specific reference to the situation in developing countries. Water influences everything, nature preservation, agriculture, and human life in villages, towns or cities. The course programme includes general aspects concerning the use and management of the natural resource water, at the surface or as groundwater. This includes water supply for human use and agriculture, water as an energy source, water, wastewater and waste treatment, as well as flood control and wetland restoration in river basins.</p> <p>The 2-year course comprises three six-month terms and one four-month term. The first term starts with basic courses necessary for understanding and describing natural and human-dominated systems, illustrating their potential for future development, their stability or vulnerability, and evaluating their social-economic potential. The second and third terms cover applications of resources management strategies. Special emphasis is given to the training of key competencies through all courses. During the fourth term, students will write a thesis to demonstrate their ability to analyse systems and to define an appropriate approach for the solution of a given problem.</p>

Resources Engineering

Curriculum:

The curriculum has a modular structure; that is, courses are grouped into modules covering seven thematic fields. Courses consist of lectures, tutorials, explorative seminars, lab-courses, field trips and study papers. Courses are compulsory (75 credit points) and compulsory elective (15 credit points). The latter category allows students to choose an individual specialisation and supplementation in the second and third semesters. The compulsory elective courses include lectures in German. Hence, German language knowledge is mandatory for the second and third semesters. In the fourth semester a thesis is prepared (30 credit points).

Compulsory modules (disciplinary foundation)

- **Physical-Technical Aspects:** Environmental Physics, Applied Hydraulics, Water Supply and Sanitation Systems.
- **Geoinformatics:** Terrestrial and Satellite Positioning, Remote Sensing, Geo-Information Systems, Probability & Statistics.
- **Chemical and Biological Aspects:** Geochemistry, Waste Water and Waste Biotechnology, Waste Water and Waste Analysis, Ecology.
- **Sociological and Economical Aspects:** Socio-Economic Aspects of Development Planning, Assessment of Development Planning, Communication in Science and Engineering.

Compulsory modules (integrated resources management)

- **Infrastructure Engineering and Management:** Road Infrastructure Management, Traffic & Transport Planning, Construction Operation and Management, Facility Management.
- **Water Resources Management:** Groundwater Resources, Soil Moisture Analysis, Groundwater in Urban Areas (Mega Cities), Surface Water Quality.
- **River Basin Management:** Integrated Water Management, Regional and Urban Project Planning, Hydraulic Software Applications, River Engineering.

Compulsory subsidiary subject ("International Projects")

- Language courses German (1st semester, 2nd semester)
- International Project Management (internship, 4 weeks)
- Institutions for Scientific, Financial, Technical Co-operation (visits)
- Independent Study (thesis proposal with a supervisor, 3rd semester)

Compulsory elective courses (multiple topics for specialisation)

There are modules of 1–3 courses offered in all 7 thematic fields. Topics offered are for example "Environmental Fluid Mechanics," "Wetlands Ecology," "Biology for Engineers," or "Hydrological Planning."

Target group

Graduates from programmes in engineering, mainly civil engineering, and environmental sciences.

Course language

English and German

Engineering and Related Sciences

Resources Engineering

Entry requirements	<ul style="list-style-type: none"> • Bachelor's degree: B.Sc. or B.Eng.; subjects see "Target group" • English: TOEFL test (230 computer based)/ IELTS certificate (band 6) • German: Basic knowledge (on DaF level A2) • At least 2 years of professional work experience (DAAD applicants)
Degree awarded	Master of Science (M.Sc.)
Course begins	October 2010 (biannually)
Course duration	26 months = 4 + 22 <ul style="list-style-type: none"> • Propedeutic German course: 4 months • Lectures: 3 semesters of 6 months each + thesis: 1 semester of 4 months
Duration of German language courses	<p>Prior to the beginning of the above mentioned course programme: 4 months (20 hrs/week; for scholarship holders and others)</p> <p>During the 1st and 2nd semesters: full term course (mandatory for all foreign students)</p>
Application deadline	<p>All applicants, including applicants for scholarships, are required to submit a programme-specific application form. (Forms are available for download, URL see below "information contact").</p> <p>For DAAD scholarships: 31 August 2009 at a German Embassy; 30 September 2009 at DAAD Bonn & the Universität Karlsruhe (TH) (Resources Engineering Office).</p> <p>For other scholarships: Inquire with the Resources Engineering Office.</p> <p>For self-financing students: 15 April 2010 at the Universität Karlsruhe (TH), Resources Engineering Office.</p> <p>Applications have to be submitted in English.</p>
Remarks	<ul style="list-style-type: none"> • Study fees: 500 Euro per semester (for self-financing students) • Enrolment Fee: 100 Euro
For further information contact	<p>Resources Engineering Office Fakultät für Bauingenieur-, Geo- und Umweltwissenschaften Universität Karlsruhe (TH), Bldg. 10.81, R312 76128 Karlsruhe Germany</p> <p>Phone: +49-(0)721-608-4894, -7061 Fax: +49-(0)721-608-6165 e-mail: res.eng@bgu.uka.de http://www-reseng.bau-verm.uni-karlsruhe.de/</p>

Engineering and Related Sciences

Utilities and Waste – Sustainable Processing

Institution	Universität Karlsruhe (TH) (University of Karlsruhe) Research University founded 1825
Location	<p>The city of Karlsruhe was founded in 1715 and now has 270,000 inhabitants. It is located in the Rhine basin and borders the Black Forest and Alsace in France. The region has the highest number of researchers per capita in Germany.</p> <p>Founded in 1825, the Universität Karlsruhe is the oldest technical university in Germany. About 20% of its 17,000 students are from foreign countries.</p> <p>The Engler-Bunte-Institut is one of the largest institutes of the university, and with its chairs for fuel, combustion and water technology it is responsible for the course.</p>
Course focus	<p>The programme is a multidisciplinary approach to the planning and management, as well as to the process engineering aspects, of public utilities for gas, water and waste treatment and disposal with particular reference to developing countries. The courses have components in the natural sciences, advanced and appropriate technology, socio-economics and management. The objective of the programme is to encourage students to integrate regional requirements while taking the long-range preservation of the environment into account.</p>
Target group	Mainly chemical, process, civil and mechanical engineers focusing on environmental sciences.
Course language	English
Entry requirements	<ul style="list-style-type: none"> • Bachelor's degree in the engineering fields mentioned above in the target group or in other related subjects • At least two years of career experience in an area closely related to the course focus • English – TOEFL (550 points / 210 computer based) or IELTS (band 6) certificate • Age limit: 36
Degree awarded	Master of Science (M.Sc.)
Course begins	Every second year in October (next intake 2010)
Course duration	24 months
Application deadline	31 August at the German Embassy; 30 September at DAAD in Bonn; 15 October 2009 at the University
Duration of German language course prior to beginning of programme	2 months

Utilities and Waste – Sustainable Processing

Remarks	<ul style="list-style-type: none"> • In addition to the official DAAD application form, candidates are required to submit a particular course application form which is available at www.utilwaste.de. • Application forms have to be submitted in English. • The course will be offered every second year.
For further information contact	<p>Susanne Zbornik Universität Karlsruhe (TH) Engler-Bunte-Institut Verbrennungstechnik Engler-Bunte-Ring 1 76131 Karlsruhe Germany Phone: +49-(0)721-608-7078 Fax: +49-(0)721-661501 e-mail: utilwaste@ciw.uni-karlsruhe.de http://www.utilwaste.de</p>

Technology and Resource Management in the Tropics and Subtropics

Institution	Fachhochschule Köln, Institut für Technologie und Ressourcenmanagement in den Tropen und Subtropen (Cologne University of Applied Sciences, ITT, Institute for Technology in the Tropics)
Location	With almost 20,000 students in 10 faculties, the Cologne University of Applied Sciences (Fachhochschule) is the largest institution of its kind in Germany. Due to its spectrum of research and wide range of high quality courses, Cologne University of Applied Sciences is a popular cooperation partner with numerous contacts with universities worldwide as well as with trade and industry. The close interrelationship between academic and practical fields results in a direct input of latest developments into the interdisciplinary instruction. Cologne is a city of trade fairs and media, has international flair and offers various cultural activities.
Course focus	<p>The two-year postgraduate programme "Technology and Resource Management in the Tropics and Subtropics" provides young German and foreign graduates with additional subject-related know-how dealing with appropriate technologies in the tropics and subtropics, as well as fundamental skills in resource management.</p> <p>The growing complexity of economic and social circumstances is met with interdisciplinary and practice-oriented studies. The main goal is to equip students with the capacity to recognise, analyse and develop solutions for the multilayered and encompassing problems in tropical and subtropical countries as well as enable them to assess the resulting effects and side-effects of these solutions in an interdisciplinary manner. They are prepared for the task of appropriately applying technologies in the service of economic, social and ecological requirements. The students set their focus (electives) within the study plan as best fits their goals.</p> <p>Contents</p> <p>Basic subject modules: Natural Environment, Human Environment, Environmental and Resource Economics, Management, International Development and Cooperation, Research Methods, Methodological and Social Competencies, Students Team Project</p> <p>Elective section:</p> <ol style="list-style-type: none"> Integrated water management: Hydrology and Water Resources Management, Watershed Management, Water Resources Quality, Water Supply and Demand Management, Water Policy and Legislation, Water Institutions, Urban Drainage, Sanitation and Public Health, Modelling of Hydrological Systems, Water System Analysis, Water Economics, Flood and Drought Risk Management, Dams, Channels and Hydropower Land use management: Land Use and Environment, Land Use Systems, Global change and food security, Resource Economics and Land Use Management, Soil and Water, Land Use and Water Resources, Sector Modelling and Environmental Policy, Ecosystem Management and Conservation Management

Technology and Resource Management in the Tropics and Subtropics

c) Urban and regional management: Urban Planning, Regional Planning, Urban and Regional Management, Planning Procedures, Methods and Tools, Integrated Planning: Resource and Energy Efficiency, Infrastructure and Services, Housing and Social Issues

d) Renewable energy management: Energy Resources and Energy Systems, Integrated Energy Planning, Energy Economics, Markets and Society, Wind and Water Energy Generating Systems, Photovoltaic and Solar Thermal Systems, Biomass / Bioenergy Systems, Energy Efficiency and the Environment / LCA.

It is recommended that all students travel and become acquainted with a tropical or subtropical country in preparation for their Master's thesis.

The ITT may arrange contact with a university or institution of international cooperation for in-country association. Students are often integrated in current research projects.

With the specific knowledge gained from their first degree and the interdisciplinary and increased knowledge from this programme, the graduates are sought-after specialists and leaders in the field of international cooperation. Possible career fields are national and international institutions of development cooperation, private consulting, and other organisations and companies involved in international cooperation.

Target group Scientists working in the fields of engineering, natural sciences, geosciences, agriculture, forestry, architecture or informatics who are interested in a position in the field of international cooperation as well as technology and resource management in the tropics and subtropics.

Course language English/ German

Entry requirements

- B.Sc. degree or equivalent in engineering, natural sciences, life science, geosciences, agriculture, forestry, architecture or informatics. In individual cases it is possible that graduates of other faculties can also be admitted. The examination board of the ITT reserves the right to decide on such cases.
- At least two years of professional practice (only for DAAD scholarship applicants)
- Certified proficiency in English – TOEFL (550 points), computer-based version (213 points), internet-based version (79–80 points); IELTS 6.0, GCSE Level C, or equivalent certificate
- Foreign applicants not applying for a scholarship must have German language skills at level B1 (we recommend B2) of the Common European Framework of Reference for Languages for inscription.
- Applicants must submit a two-page letter explaining their study motivation and research interest (in English).
- Chinese applicants are required to submit an APS-Certificate.

Degree awarded M.Sc. Master of Science

Technology and Resource Management in the Tropics and Subtropics

Course begins End of September every year

Course duration 24 months

Duration of German language course prior to beginning of programme 4 months

Application deadline For DAAD candidates: 31 August at the German Embassy; 30 September at DAAD in Bonn; 15 October of the year prior to start at ITT
For all other applicants: every year on 15 July at UNI-ASSIST

Remarks

- A preliminary German course for DAAD scholarship holders begins in June.
- All foreign students must have passed the DSH exam by the beginning of the 2nd semester to continue studying.
- A field research of three to five months forms part of the Master's thesis.
- Applications have to be submitted in English.
- A list of all application documents required in addition to the official
- DAAD application form is available on the institute's website: www.tt.fh-koeln.de.
- ITT will assist in finding accommodation in Cologne.
- Accommodation for students' families cannot be arranged.
- ITT offers additional language classes in Spanish, Portuguese, English and Arabic.

For further information contact Institut für Tropentechnologie
Prof. Dr. Hartmut Gaese
Betzdorfer Straße 2
50679 Cologne
Germany
Phone: +49-(0)221-8275-2774
Fax: +49-(0)221-8275-2736
e-mail: info-terma@itt.fh-koeln.de
<http://www.tt.fh-koeln.de>

Water Management in Tropical and Subtropical Regions

Institution	Fachhochschule Braunschweig/Wolfenbüttel, Campus Suderburg (University of Applied Sciences, Campus Suderburg)
Location	Suderburg, a community with a population of 7,200, is located on the train route between Hanover and Hamburg. Aside from extensive cultural events presented in the nearby cities, Suderburg offers pure nature-forest-heath surroundings in the Southern Heath Nature Park. If you are interested in combining your educational programme with recreational activities like swimming in Hardau Lake, horseback riding in the heath and canoeing in natural rivers, then you are at the right place in our "province with the extra touch".
Course focus	<p>The postgraduate study programme is aimed to broaden the students' background in advanced and integrated water management, irrigation and protection of water and land resources in tropical and subtropical regions with particular reference to developing countries.</p> <p>The course is practical and interdisciplinary in nature and is orientated towards civil engineering, agricultural engineering and water related subject areas, placing particular emphasis on topics such as the applied hydrology of tropical and subtropical regions, water resources management, climatology, hydraulic engineering, small scale water power, rural development, water supply and sanitation engineering, tropical soil science, and agriculture, irrigation and drainage, erosion protection, land improvement, appropriate constructions and materials.</p> <p>The programme objective is an integrated multidisciplinary approach to methods of planning and management, enabling graduates to provide sustainable solutions in the utilisation of water and land resources, thus taking the socio-economic situation and development strategies into consideration, in addition to applying advanced practical methods and appropriate technologies based on a scientific background.</p> <p>The course is comprised of three phases.</p> <p>The first phase consists of two semesters of five months each. The first semester includes a two-month phase of refresher classes which emphasises basic information needed for civil engineers in the fields of pedology and agriculture and for agricultural engineers in the fields of hydraulics, hydraulic structures and sanitary engineering, both fundamental for the understanding of the course contents. Instruction includes a combined programme of multidisciplinary related lectures, seminars, practical training in the laboratories and guided applications through field work.</p> <p>The second phase of about 3 to 4 months is planned as a practice orientated "on-the-job" semester. In addition to the previous theoretical training, the knowledge gained is put to practice in project work on an engineering level to be carried out preferably in projects in developing countries.</p> <p>The study period abroad will serve to combine the theoretical and experimental skills gained, with the practical project training in order to convey the ability to engage in interdisciplinary cooperation for assessing and solving practical problems in the fields of water management and land improvement.</p> <p>The third phase is designated to writing a thesis in order to prove the candidate's ability to independently assess and analyse a problem and elaborate an appropriate approach to a solution.</p>

Water Management in Tropical and Subtropical Regions

Target group	Engineers, specialists and executives, working in or planning to work in an engineering capacity in the field of water management, hydraulic engineering or water supplies management, rural infrastructure, irrigation and land improvement in private, regional or state planning offices or consultancy offices.
Course language	German
Entry requirements	<ul style="list-style-type: none"> • Degree in civil engineering, agricultural sciences, hydrology, soil science or similar water related disciplines • At least 2 years career experience • DSH 2 or TestDaF Level 4 • Age limit: 36 years
Degree awarded	Master of Science in Water Resources Management (M.Sc.)
Course begins	October 2010
Course duration	18 months
Duration of German language course prior to beginning of programme	2–6 months depending on prior knowledge of applicant
Application deadline	31 August 2009 at the German Embassy; 30 September 2009 at DAAD in Bonn; 15 October 2009 at the University
Remarks	<ul style="list-style-type: none"> • A six-month intensive German language course begins early April 2010. • A practical training (duration 3–4 months) is to be taken during the course.
For further information contact	<p>Leuphana University of Lüneburg Campus Suderburg Postgraduate Study Programme Water Management in Tropical and Subtropical Regions Prof. Dr. Brigitte Urban Herbert-Meyer-Straße 7 29556 Suderburg Germany</p> <p>Phone: +49-(0)5826-988-9309 Fax: +49-(0)5826-988-9244 e-mail: dziarski@uni.leuphana.de http://etrop.uni-lueneburg.de</p>

Postgraduate Programme Renewable Energy

Institution	Universität Oldenburg (University of Oldenburg)
Location	The Carl von Ossietzky University of Oldenburg was founded in 1973 and is one of the youngest research universities in Germany. Environmental and energy research are outstanding interdisciplinary areas of specialisation (approx. 11,000 students) – more information at: http://www.uni-oldenburg.de . The city of Oldenburg with a population of 160,000 is located near the North Sea and the Netherlands – more information at www.oldenburg.de .
Course focus	The 16-month Programme consists of 3 terms: In the 1st term (October – January) the core courses provide a solid foundation of scientific principles in all Renewable Energy Technologies, followed by a 2-month period of external practical training (February-March). The 2nd term (April-July) is comprised of more 'practical' applications of RE (case-study, solar-lab, etc.) in addition to a more specialised continuation of the core modules. The 3rd term (August-January) is dedicated to the final thesis project. The curriculum structure is completely modularised according to standards given by the European Credit Transfer System (ECTS). Overview of Modules: <ul style="list-style-type: none"> • Bridging Module • Wind Energy & Energy Meteorology • Photovoltaic • Solar Thermal & Meteorology • Energy Economics & Systems • Energy Projects & Case Study • Biomass, Hydro & Fuel Cells • Thesis Project
Target group	Natural science and engineering graduates who aim to build on relevant career experience and apply knowledge gained to the energy sector in their home countries.
Course language	English
Entry requirements	<ul style="list-style-type: none"> • Science or engineering degree (B.Sc. – 4 yrs. / min. degree: 2nd upper) • 2 years of professional experience • English – TOEFL (550 points) or IELTS (band 5.5) – certificate • Your last academic degree should preferably not be more than 3 years old.
Degree awarded	Master of Science (M.Sc.)
Course begins	October 2010
Course duration	16 months

Postgraduate Programme Renewable Energy

Duration of German language course prior to beginning of programme	2 months (starting early August)
Application deadline	For DAAD-scholarship: 31 August 2009 at the German Embassy; 30 September 2009 at DAAD in Bonn; 15 October 2009 at the University For self-sponsoring (or other scholarships): 15 January 2010 or extended deadline: 15 July 2010 at the University
Remarks	<ul style="list-style-type: none"> • In addition to the official DAAD application form, candidates are required to submit a particular course application form which can be downloaded from our website at www.ppre.de • A practical training of approx. 2 months duration is to be taken during the course. • Applications have to be submitted in English. • Tuition fees of 1000 Euro for self-sponsoring students (not for DAAD-scholars)
For further information contact	University of Oldenburg MSc Edu Knagge Institute of Physics/PPRE 26111 Oldenburg Germany Phone: +49-(0)441-798-3544 Fax: +49-(0)441-798-3990 e-mail: edu.knagge@uni-oldenburg.de http://www.ppre.de

Engineering and Related Sciences

Photogrammetry and Geoinformatics

Institution	Hochschule für Technik Stuttgart (Stuttgart University of Applied Sciences)
Location	Stuttgart is a vibrant, fascinating city and the state capital of Baden-Württemberg. It is the economic, cultural, sporting and social hub of a region in the heart of Europe with more than 2.5 million inhabitants. The city is surrounded by beautiful countryside; the Black Forest and Lake Constance are highlights in southern Germany and are not far away. The University of Applied Sciences (UAS) is located in the heart of Stuttgart. The UAS has a long history with a rich tradition in engineering education since 1832.
Course focus	<p>The M.Sc. course aims at educating future decision makers and senior engineers of information and land management projects, national authorities for mapping, photogrammetry, land consolidation, cadastre, forestry, agriculture, rural and urban planning or environment monitoring.</p> <p>The postgraduate course offers scientific and practice oriented education and training in the fields of photogrammetry, remote sensing and geoinformatics. An important objective is the transfer of up-to-date techniques to practice under different technological conditions.</p> <p>Photogrammetric technology is trained on modern digital workstations including sophisticated analytical systems. Focus is on processing aerial photographs, from scanning, automated aero triangulation and acquisition of digital elevation models, to orthoimage generation and topographic and thematic mapping. Gaining experience in working with alternative data sources of increasing importance, like high resolution remote sensing satellites and radar and airborne laser scanning, round off modern photogrammetric education.</p> <p>The main topics focused on in the field of Geoinformatics are the acquisition, storage, analysis, retrieval and display of spatial related data, concerning both earth's physical features and the man-made environment. Studying the methods for data modelling in geoinformation systems, design and handling of diverse data bases, GIS-data formats, GIS customisation including programming, all accompanied by intensive training are important parts of the postgraduate course. Most recent developments like World Wide Web-technologies, 3D-visualisation and integration of GIS and photogrammetry prepare course participants for the future.</p> <p>A full-time research project aiming at the elaboration of a Master's thesis within 6 months concludes the study.</p>
Target group	The course is designed for all kinds of professional producers or users of geo-data (e.g., in photogrammetry, geodesy, civil engineering, land surveying, agriculture, cartography, forestry, geography, geology), in particular from developing countries, who are involved as decision makers or project engineers in the acquisition, administration and use of geo-data in the context of geoinformation systems, photogrammetry and remote sensing.
Course language	English

Engineering and Related Sciences

Photogrammetry and Geoinformatics

Entry requirements	<ul style="list-style-type: none"> • Degree (equivalent of B.Sc.) in Civil Engineering, Geodesy, Geography, Agriculture, Forestry or corresponding degrees of other professions related to geo-data • Two years of competent professional experience are considered important. • English – TOEFL (550 points or internet-based 79 points) or IELTS (band 6) – certificate • Age limit: 36 years
Degree awarded	Master of Science (M.Sc.) in Photogrammetry and Geoinformatics
Course begins	Every year in October
Course duration	18 months (two semesters and six months supervised study with Master's thesis)
Duration of German language course prior to beginning of programme	2 months
Application deadline	Each year 31 August at the German Embassy; 30 September at DAAD in Bonn; 15 October at the University
Remarks	<ul style="list-style-type: none"> • The study course is accredited by ASIIN, the Accreditation Agency for Study Courses in Engineering, Informatics, Natural Science and Mathematics. • Complete applications must be submitted in English. • A good mathematical background and good computer skills are required. • It is difficult to find furnished apartments in Stuttgart; therefore, we advise against bringing your family. • In addition to the official DAAD application form, candidates are required to submit a particular course application form which is available at http://www.hft-stuttgart.de
For further information contact	<p>Hochschule für Technik Stuttgart Prof. Dr.-Ing. Dietrich Schröder Schellingstraße 24 70174 Stuttgart Germany Phone: +49-(0)711-8926-2612 or 8926-2709 Fax: +49-(0)711-8926-2556 e-mail: master-pg@hft-stuttgart.de http://www.hft-stuttgart.de</p>

Master's Programme Infrastructure Planning

Institution	Universität Stuttgart (University of Stuttgart)
Location	Stuttgart is the economic, cultural, sporting and social hub of a region in the heart of Europe, near Switzerland, Austria and France. The city is surrounded by beautiful countryside with vineyards, the Black Forest Mountains and Lake Constance. Woods and parks account for almost a quarter of the city area. Famous opera productions, a philharmonic orchestra and a renowned ballet company together with a variety of museums, theatres and events offer a vivid cultural life.
Course focus	<p>A well-planned system of infrastructure facilities is the primary prerequisite for development. There is a pressing international need for professionals capable of directing the conception, planning and construction of necessary infrastructure facilities for transportation, water and waste management on the urban as well as on the regional level, while integrating economic, social, ecological and management aspects. With the Master's Programme Infrastructure Planning, the University of Stuttgart has been offering a practice-oriented and internationally acclaimed Master's Programme since 1983. Faculty members from different institutes and experienced practitioners offer their knowledge to a limited number of 35 students per course.</p> <p>Emphasis is laid on an interdisciplinary approach to planning, which is essential for modern infrastructure planning and international cooperation.</p> <p>Course structure and contents:</p> <p>The tightly structured programme is divided into four semesters. Whereas the first semester provides a number of basic modules to broaden the professional horizon, the second semester offers a wider variety of electives to the advanced students. In the third semester, besides additional electives, a large case study deals with the complex problems of infrastructure planning and the challenges of interdisciplinary teamwork. Intensive group work provides training in methods and techniques that have been applied successfully in Germany. During the fourth semester students write their Master's Thesis. Subjects can deal with an interdisciplinary infrastructure planning problem relevant to the individual student's home country.</p> <p>Modules offered in the Master's Programme include:</p> <p>Statistics and Information Processing, Economics, Social Aspects of Planning, Project Management, Development Policy and Planning, Urban Planning, Ecological Aspects of Infrastructure Planning, Regional Development Planning, Energy Supply, Transportation, Water and Waste Management, Management of Infrastructure Facilities, Project Appraisal, Planning and Financing, Tendering and Contracting.</p>

Master's Programme Infrastructure Planning

Target group	Civil engineers, architects and urban planners as well as graduates from related fields of study who wish to gain insight into infrastructure planning in a broad, integrated context and who want to prepare themselves for working in international and complex planning projects. Career goals might be: infrastructure planner working in the private sector as a consultant, civil servant dealing with various aspects of infrastructure planning or with regional and/or national infrastructure development. Graduates will be capable of directing and coordinating the work of international and interdisciplinary teams of specialists from a wide variety of infrastructure-related fields.
Course language	English. Fluency in written and spoken English is essential from the beginning of the programme. Class work involves reports and oral presentations in English. Knowledge of German has to be acquired throughout the programme in German classes offered by the University of Stuttgart.
Entry requirements	<ul style="list-style-type: none"> • Bachelor's degree (four years) or equivalent in civil engineering, architecture, urban planning or related fields • At least two years of relevant professional experience • English – TOEFL (550) or equivalent • Age limit for scholarships: 36 years
Degree awarded	Master of Science (M.Sc.)
Course begins	Every year in October
Course duration	4 semesters
Duration of German language course prior to beginning of programme	6 weeks
Application deadline	<p>For the programme starting in October 2010: applications for admission and DAAD-scholarship:</p> <p>31 July 2009 at the respective German Embassy; 31 August 2009 at the DAAD/Bonn, Germany; 30 September 2009 at the University of Stuttgart</p> <p>Applications for admission only (private financing or other sources): 15 February 2010 at the University of Stuttgart (address below)</p>
Remarks	<ul style="list-style-type: none"> • Admission on an annual basis • Tuition fee: 500 EUR per semester (not for DAAD scholars) • Applications must be completed in English and have to include all relevant documents; a test of English proficiency is mandatory. • Detailed information and downloads are provided on the website of the programme. • A six-week mandatory German language course begins in September prior to the beginning of lectures in October. • Accommodation for students' families can not be arranged.

Master's Programme Infrastructure Planning

For further information contact University of Stuttgart
 Master's Programme Infrastructure Planning
 Pfaffenwaldring 7
 70569 Stuttgart
 Germany
 Phone: +49-(0)711-68566558
 Fax: +49-(0)711-68566582
 e-mail: elke.schneider@zip.uni-stuttgart.de
<http://www.mip.uni-stuttgart.de>
<http://www.uni-stuttgart.de>

Systems Engineering & Engineering Management

Institution	Hochschule für Technik und Wirtschaft Soest (FH Südwestfalen) (South Westphalia University of Applied Sciences Soest Campus)
Location	Soest is a small medieval city of some 50,000 inhabitants which provides a perfect atmosphere for serious studies. The new campus is located within a 10-minute walk from the city centre.
Course focus	<p>The course offers three "pathways",</p> <ul style="list-style-type: none"> • Electronic Systems (ES) • Mechatronic Systems (MTS) • Mechanical Systems (MS) <p>Each pathway has the general objectives of developing</p> <ul style="list-style-type: none"> • an in-depth understanding of methods and techniques in engineering management and systems engineering, and of digital systems in particular • the ability to solve advanced problems in technical systems, • the knowledge and skills in engineering management to advance students' careers • the ability to communicate clearly in speech, writing and the use of appropriate mathematics and software <p>In order to achieve the above objectives, the entire course comprises the following 9 modules:</p> <p>1st semester:</p> <ul style="list-style-type: none"> • Business in Engineering • Intelligent Systems • Signal Processing (ES only) • Advanced Production Engineering (MTS and MS only) • Technical Publications and Presentations <p>2nd semester:</p> <ul style="list-style-type: none"> • Advanced Control Technology • Microprocessor-Based Systems (ES and MTS only) • Monitoring of Mechanical Systems (MS only) • Project Management • Integrated Management <p>3rd semester:</p> <ul style="list-style-type: none"> • M.Sc. Project and Viva
Target group	The Systems Engineering & Engineering Management Course is designed to give advanced training to professional engineers from Germany and abroad – particularly to engineers from developing countries – in fields normally not included in classical engineering education, in particular a system approach to complex engineering problems combined with engineering management aspects.

Engineering and Related Sciences

Systems Engineering & Engineering Management

Course language	English
Entry requirements	<ul style="list-style-type: none"> • Bachelor degree in Engineering, particularly Electrical or Mechanical Engineering or related subjects • At least 2 years of professional experience • English – TOEFL (550/213/80 points paper/computer/internet-based or IELTS (band 6.0) – certificate • Age limit: 36
Degree awarded	Master of Science (M.Sc.) in Systems Engineering (pathway) & Engineering Management
Course begins	Every year in September
Course duration	18 months
Duration of German language course prior to beginning of programme	A two-month German course begins early July.
Application deadline	31 August at the German Embassy; 30 September at DAAD; 15 October at the University in the year prior to course commencement
Remarks	<ul style="list-style-type: none"> • The location of studies for the entire course is Soest/Germany, modules being taught by professors from both Germany and Britain, respectively. • Applications have to be submitted in English.
For further information contact	<p>MSc-Service Center Hochschule für Technik und Wirtschaft Abteilung Soest, FB 16 Postfach 1465 59474 Soest Germany Phone: +49-(0)2921378-400 Fax: +49-(0)2921378-409 e-mail: msc-info@campus-soest.de http://www.campus-soest.de</p>

Engineering and Related Sciences

Natural Hazards Mitigation in Structural Engineering – NHMSE

Institution	Bauhaus-Universität Weimar (Bauhaus-University Weimar)
Location	Weimar is a small city located in the heart of Germany. Its culturally important history and active intellectual climate contribute very much to the attraction of the city. Bauhaus-University Weimar, located in the city of Weimar, offers a unique study profile combining structural engineering with architecture, the arts and modern media topics. Programmes offered follow bachelor, master, and doctoral tracks.
Course focus	The occurrence of an increasing number of natural hazards and their various effects on individuals, societies and modern economies is one of the major challenges for future decades. The Master's course in "Natural Hazards Mitigation in Structural Engineering" faces this challenge by providing indispensable tools for taking those phenomena into account in the different design processes in civil engineering. The Master's course thereby aims at combining practical structural engineering with state-of-the-art concepts regarding computational mechanics, dynamics and probability theory/stochastic analysis. Consequently, the Master's course provides key qualifications for innovative work in the field of earthquake, flood and wind engineering and offers an international setting in which students will achieve both technical success and personal advancement.
Target group	Professionals with experience working in private companies, administrations or governmental institutions related to the field of civil engineering.
Course language	English
Entry requirements	<ul style="list-style-type: none"> • Bachelor's degree (B.Sc., B.Eng. or B.Tech.) in Civil Engineering or a related field • Certificate of Test of English as a Foreign Language (TOEFL) or certificate of International English Language Testing System (IELTS) with the following minimum scores: <ul style="list-style-type: none"> – TOEFL: minimum score 550 (paper-based test), 213 (computer-based test) or 80 (internet-based test). The institution code for the Bauhaus-University Weimar is 8968 – IELTS: minimum overall band score of 6.0 with no other component score less than 5.5 is required
Degree awarded	Master of Science in Civil Engineering
Course begins	October (winter semester) Next intake (October 2010)
Course duration	2 years
Application deadline	31 August at the German Embassy; 30 September at DAAD in Bonn; 15 October of the year prior to start at the University

Natural Hazards Mitigation in Structural Engineering – NHMSE

Duration of German language course prior to beginning of programme 2 months

Remarks

- In addition to the official DAAD application form, candidates are required to submit an online application for Bauhaus-University.
- Online application (for Bauhaus-University) and help concerning application procedure are found on:
http://www.uni-weimar.de/staa/move/online/move/movein/portal/studyportal.php?_language=en
 Please follow the instructions on this website.

For further information contact Bauhaus-Universität Weimar
 Faculty of Civil Engineering
 – NHMSE–
 Dipl.-Ing. Birgit Bode
 Marienstraße 7 A
 99421 Weimar
 Germany
 Phone: +49-(0)3643-584568
 Fax: +49-(0)3643-584565
 e-mail: gsse@uni-weimar.de
<http://www.uni-weimar.de/gsse>

PhD Programme “Mathematics in Industry and Commerce” – MIC

Institution	Technische Universität Kaiserslautern (University of Kaiserslautern)
Location	<p>The University of Kaiserslautern is still very young, founded in 1969, and focuses on natural and engineering sciences. About 8,000 students are currently enrolled in the University's 10 departments.</p> <p>The facilities of the mathematics department meet high standards, especially the laboratories, libraries and computers; free access is provided to all students.</p> <p>Kaiserslautern (100,000 inhabitants) is located in the heart of the European Union, by the famous, recreational Palatinate Forest, and close to the French border in the west. Furthermore, Kaiserslautern has excellent travel connections. Frankfurt airport is only a 90 minute train ride away. In addition, Kaiserslautern offers all the amenities of a modern city, including a rich and vivid culture and sports scene.</p>
Course focus	<p>For 36 months, the PhD students will pursue their research supervised by a professor of the University of Kaiserslautern, including a 9-month period of working at or for a company. In general, supervisor and student determine the topic of the PhD thesis in cooperation with a company; often via the “Fraunhofer-Institute for Industrial Mathematics” (ITWM).</p> <p>Participants of the MIC programme apply modern mathematical theories (partial differential equations, stochastics, singularity theory, etc.) to model technological, economic and ecological problems. Computer-oriented numerical methods (FEM, optimisation, statistics etc.) are used to simulate processes and to evaluate the models.</p> <p>Good programming skills are a must.</p> <p>Possible research areas are:</p> <ul style="list-style-type: none"> • Applied Mathematical Statistics • Computer Algebra and Singularity Theory • Differential Equations: Mathematical Modelling and Scientific Computing • Geomathematics • Mathematical Control Theory • Optimisation • Stochastic Control and Financial Mathematics
Target group	Mathematicians with interest in the application of theoretical results to real world problems
Course language	English
Entry requirements	<ul style="list-style-type: none"> • Excellent M.Sc. degree (or equivalent) in mathematics • English – TOEFL (540/207/76 points) or IELTS (band 6) – certificate • Age limit: 32
Degree awarded	Doctor rerum naturalium (Dr. rer. nat.)

Mathematics

PhD Programme "Mathematics in Industry and Commerce" – MIC

Course begins	October, an introductory German language course starts in August
Course duration	36 months
Duration of German language course prior to beginning of programme	2 months
Application deadline	31 August at the German Embassy; 30 September at DAAD in Bonn; 30 January at the University of Kaiserslautern
Remarks	In addition to the official DAAD application form, applicants are required to submit a particular course application form, which is available from the University of Kaiserslautern.
For further information contact	Technische Universität Kaiserslautern Fachbereich Mathematik Graduate School "Mathematics as a Key Technology" Postfach 30 49 67653 Kaiserslautern Germany Phone: +49-(0)631-205-3246 or -3927 Fax: +49-(0)631-205-2048 or -4989 e-mail: http://www.mathematik.uni-kl.de/grad_school/navigator/PhD/MIC/MIC.html

Regional Planning

Urban Management – UM

Institution	Technische Universität Berlin (Berlin University of Technology)
Location	With three prestigious universities and numerous other educational institutions, Berlin is a centre of academic life in Germany. Living and studying in this vibrant urban centre offers an opportunity to actively participate in European urban culture and learn from the experience of dealing with a bustling metropolis. With nearly 6,000 international students from 130 different countries, TU Berlin has more students from abroad than any other German university.
Course focus	The focus of the course is on development situations in the South and transition countries. The course offers training in management approaches that cross the boundaries of isolated professional knowledge and aims to present workable solutions for city management. The issues addressed are related to the most urgent problems of urban development in many countries, including environmental degradation, uncontrolled urban growth, insecure land tenure, substandard housing conditions for the urban poor, inadequate decision making and local planning systems.
Target group	Professionals already working in the field of urban planning, architecture, landscape architecture, civil engineering, administration, etc.
Course language	English
Entry requirements	<ul style="list-style-type: none">• Bachelor degree or an equivalent in urban development-related fields• At least 2 years of practical experience in a field related to urban management• TOEFL score of no less than 230 (computer based), 550 (paper based) or 80 (internet based)
Degree awarded	Master of Science in Urban Management
Course begins	October 2009
Course duration	18 months
Duration of German language course prior to beginning of programme	2 months
Application deadline	1 March Application deadline for DAAD scholarship: 30 September of the previous year at DAAD in Bonn

Regional Planning

Urban Management – UM

For further information contact Faculty VI
Schr. A 53 Habitat Unit
Str. des 17. Juni 135
10623 Berlin
Germany
Phone: +49-(0)30-31421468
Fax: +49-(0)30-31421907
e-mail: bettina.hamann@tu-berlin.de
<http://www.urban-management.de>

Regional Planning

SPRING – Regional Development Planning and Management

Institution	Technische Universität Dortmund (TU Dortmund University)
Location	<p>The TU Dortmund, with more than 24,000 students, combines academic tradition with high-quality teaching. Consistent with its mission, the university has been developing innovative programmes with a focus on new teaching and research contents since 1968. The Faculty of Spatial Planning, the first and largest planning school in Germany, initiated the SPRING programme in 1984.</p> <p>SPRING offers a Master's degree (M.Sc.) in Regional or Urban Development Planning and Management jointly within an international university network:</p> <ul style="list-style-type: none">• the Faculty of Spatial Planning, TU Dortmund, Germany;• the Department of Planning, Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana;• the School of Urban and Regional Planning (SURP), University of the Philippines, Quezon City, The Philippines;• School of Urban Planning and Regional Planning (SURP), Ardhi University, Dar es Salaam, Tanzania;• the Faculty of Economic and Administrative Science, Universidad Austral de Chile (UACH), Valdivia, Chile.
Course focus	<p>In order to reduce regional disparities, governments in Africa, Asia and Latin America have initiated new regional development strategies based on national decentralisation policies. The management level of the new decentralised administrative units (districts, regions or municipalities), however, is rarely commensurate with the new requirements.</p> <p>Planners are increasingly challenged to overcome the boundaries between administrative sectors and bridge the gap between formulating a plan and implementing a programme. New qualifications are required, ranging from planning competence to management skills, i.e., to make programmes operational with respect to financial requirements and restrictions or to moderate participatory processes. SPRING places its emphasis on development management at an intermediate level between macro-regional and community-based planning.</p>
Target group	Practitioners in regional and urban development planning and administration in developing countries.
Course language	English
Entry requirements	<ul style="list-style-type: none">• A Bachelor's degree or its equivalent in a field related to Regional or Urban Planning with significantly above average grades• A high standard of proficiency in written and spoken English: TOEFL (540 points paper based, 220 computer based, 80 internet based) or IELTS (6,0) and• A strong commitment to further work in regional development planning

Regional Planning

SPRING – Regional Development Planning and Management

Requirements for DAAD scholarships:

- At least two years of professional practice
- The age limit is 36

Degree awarded Master of Science

Course begins Every year in October

Course duration 24 months

Duration of German language course prior to beginning of programme 5–6 weeks

Application deadline 15 October at TU Dortmund for the following year
For DAAD scholarship:
31 August at the German Embassy;
30 September at DAAD in Bonn
The programme will commence in the following year on 1 September with the German language course. The SPRING course begins in the second week of October.

Remarks

- A SPRING course covers two years. During the first year, students will study at the TU Dortmund in Germany with a focus on theories and methods of regional development. In the second year, students are free to choose a specific focus and continue their studies at one of the SPRING network partners. The first SPRING year is organised into three phases simulating an ideal planning cycle (analysis, planning, implementation). Each phase converges into a workshop integrating the various subjects of the programme.
- The second year concentrates on the specific focus of the network partner and on fieldwork which provides the input for the Master's thesis.
- In addition to the official DAAD application form, candidates are required to submit a particular SPRING application form which is available on the SPRING website and from the contact address given below.

For further information contact TU Dortmund, Faculty of Spatial Planning, SPRING
44221 Dortmund
Germany
Phone: +49-(0)231-755-2543
Fax: +49-(0)231-755-4398
e-mail: spring@uni-dortmund.de
http:// www.spring-master.net

Regional Planning

Regional Science / Spatial Planning

Institution Universität Karlsruhe (TH)
(University of Karlsruhe)

Location Located on the Rhine plain in the southwest of Germany between the Black Forest and the Vosges Mountains (France), the city of Karlsruhe with its distinct fan-shaped layout dating back to the Baroque era was founded in 1715. As a cultural centre of more than regional significance, it is home to two German national courts and has, in recent years, evolved into one of the major technology cities of Germany. There is a wide array of higher education institutions, including, besides the University of Karlsruhe itself (founded in 1825), the University of Applied Sciences (Hochschule Karlsruhe), the University of Education (Pädagogische Hochschule), the Academy of Fine Arts (Akademie für Bildende Künste), and the School of Design (Hochschule für Gestaltung) in conjunction with the Centre for Art and Media Technology (Zentrum für Kunst und Medientechnologie). Approximately 19% of the 18,000 students studying at the university are non-German.

The University of Karlsruhe is one of Germany's leading universities. The Institute for Regional Science at this university represents a national as well as an international contact point with regard to teaching and research for those who wish to work in regional science and spatial planning or who wish to further their education in this field.

Course focus Many public measures affecting space, especially large-scale infrastructure projects such as large dams, power plants, roads, railway lines, new cities or new urban quarters rightfully count as impressive engineering accomplishments. In retrospect, however, they often appear to be the result of faulty or incomplete planning. The reason for this is that although they are usually perfectly executed in terms of technical design, they fail to take the manifold effects on the local and regional level into account which contradict the envisaged goal.

All planning activity and every public measure occurring in space also affect the regional social systems, the regional economy as well as the complex interplay of regional natural factors, its regional ecology. Thus, planning is also about ascertaining these effects and taking them into consideration when dealing with non-sectoral and coordinative planning on the local, regional, and international level.

The goal of the Institute for Regional Science at the University of Karlsruhe is to emphasise this broad approach both in its research and syllabus. The centrepiece of our syllabus is the internationally attended and accredited post-graduate Master's programme of "Regional Science/Spatial Planning". More than 300 students from all over the world have completed this programme so far and now work successfully in leading and expert positions.

Target group Professionals with university degrees in science, social science or engineering, from public planning agencies, NGOs, consulting companies or research and training institutions.

Course language German

Regional Planning

Regional Science / Spatial Planning

Entry requirements	<ul style="list-style-type: none">• University degree• At least two years work experience• DSH 2, DSD II or Test DaF 4• Age limit: 36
Degree awarded	Master of Regional Science (M.Sc.)
Course begins	Every year in October
Course duration	2 years
Duration of German language course prior to beginning of programme	A six-month German course starts in April each year.
Application deadline	31 August at the German Embassy; 30 September at DAAD in Bonn or 15 October at the University
Remarks	A period of field research for the Master's thesis is planned after the third term of studies.
For further information contact	Institut für Regionalwissenschaft der Universität Karlsruhe Studienberatung Kaiserstr. 12 76128 Karlsruhe Germany Phone: +49-(0)721-608-2365 Fax: +49-(0)721-608-2888 e-mail: ifr@ifr.uni-karlsruhe.de http://www.ifr.uni-karlsruhe.de

Regional Planning

Land Management and Land Tenure

Institution	Technische Universität München (TUM) (Technical University of Munich)
Location	<p>Founded in 1868, the Technische Universität München currently includes 13 departments. The main campus of TUM is located in the inner city of Munich close to the old city centre, while many of the institutes are in the beautiful surroundings of Munich. TUM annually hosts more than 20,000 students (about 20 per cent of whom come from abroad) who are mentored by approximately 400 professors.</p> <p>Munich is the capital of Bavaria, the southernmost state of Germany. Bavaria offers an impressive cultural heritage and many areas of outstanding natural beauty. Munich itself, an 850-year-old city with 1.3 million inhabitants, is one of the major cultural centres in Germany. Besides being a cultural centre, Munich also hosts the headquarters and major research and development departments of many high tech companies, international as well as German. Many of them are in close co-operation with TUM.</p>
Course focus	<p>The Master's programme aims to qualify mid-career students in interdisciplinary approaches to land policy and land management in the rural as well as in the urban context. The lectures focus on land rights, land policy, land economics, land administration, land management, urban and rural development, land conflicts, environmental risk management, GIS, GPS, cartography, participatory planning approaches, management skills, research and study skills. Students are trained in the application of practical methods and tools. Case studies, field trips and lectures given by experts with practical international experience complete the structure of the programme. The Master's Programme also includes an integrated internship and an individual research project. Both can be done either in Germany or abroad.</p> <p>Special Services:</p> <ul style="list-style-type: none">• Tutoring• Social and cultural activities• Pre-Study Programme (German language course)• Orientation Month• German language course during the semester• Support in finding accommodation and with administrative procedures• Organisation of internships• Excursions and field trips
Target group	Professionals with experience in the field of land management, land administration, land policy, land use planning, land tenure, resource management and related fields.
Course language	English

Regional Planning

Land Management and Land Tenure

Entry requirements	<ul style="list-style-type: none">• A qualified Bachelor degree• At least 2 years of work experience in a field related to land management• Sufficient knowledge of English• Requirement: TOEFL (paper based 550 / computer based 213 points) or IELTS (6.0)
Degree awarded	Master of Science
Course begins	Mid-October 2010
Course duration	18 months (3 semesters)
Duration of German language course prior to beginning of programme	2 months
Application deadline	31 August 2009 at the German Embassy; 30 September 2009 at DAAD; 31 October 2009 at the University (31 May 2010 if no scholarship is required)
Remarks	<ul style="list-style-type: none">• In addition to the official DAAD application form, candidates are required to submit a particular course application form which is available on the programme's website (see below).• A two-month German language course begins early August 2010.
For further information contact	Technische Universität München Institut für Geodäsie, GIS und Land Management Lehrstuhl für Bodenordnung und Landentwicklung Centre of Land and Environmental Risk Management Prof. Dr.-Ing. Holger Magel (Programme Director) Arcisstraße 21 80290 Munich Germany Phone: +49-(0)89-289-22535 Fax: +49-(0)89-289-23933 e-mail: master@landmanagement-muenchen.de http://www.master-landmanagement.de

Agricultural and Forest Sciences

Agricultural Sciences and Resource Management in the Tropics and Subtropics

Institution	Universität Bonn (University of Bonn)
Location	With a student population of 35,000 including 5,200 international students from more than 100 different countries, the University of Bonn is not only one of the largest in Germany but also an international institution rich in tradition. Proof of its international reputation is to be found in its partnership with the most distinguished universities in Europe, North America, Africa, Asia and Australia. The city of Bonn can look back upon a history of more than 2000 years. In its new role as Federal City, Bonn has also become headquarters to a large number of international institutions.
Course focus	<p>Agricultural production uses natural resources in diverse ways. These resources show complex interactions and are sensitive to human activities and agricultural interventions. Their appropriate management requires skilled individuals with both the biophysical and the socioeconomic background knowledge. The ARTS postgraduate study programme is designed as a research-oriented multidisciplinary approach to expand students' overall background in the basic and applied management of natural resources for agricultural development and research in (sub)tropical environments. Students are trained by experienced international agricultural scientists. They develop a holistic, cross-disciplinary understanding and acquire a systems' view of structure, use, interactions, endangerment and protection of natural resources. Graduates from the ARTS Master's programme (M.Sc.) are equipped with skills and tools to recognise and solve problems related to (sub)tropical resource management, thus making them more effective leaders for agricultural development preparing them for agricultural and environmental research and development positions providing an entry qualification for Ph.D. programmes.</p> <p>The ARTS programme extends over 24 months and consists of two "in-class" semesters and two research semesters. The "in-class" programme is structured into compulsory and optional course modules, following the European Credit Transfer System – ECTS (30 credits per semester = 120 credit points in total). The first semester serves to broaden students' knowledge. Compulsory modules provide an overview on the structure and current use of natural resources in the (sub)tropics. Interdisciplinary lectures focus on resource interactions in relation to the social, economical and political context. Practicals and seminars provide training on "Tools and Methods" such as computer applications, biometrics, scientific communication, project analysis and GIS. Additionally, diverse socio-cultural activities are offered.</p> <p>In the second semester, students have the opportunity to specialise by choosing from a catalogue of 15 proposed in-depth modules. Each module is covered by a range of specialised lectures and is supplemented with seminars and practical training in laboratory analysis and computer applications. The students are also introduced to their thesis research programmes in the form of literature reviews, project planning and application of new methodologies in close consultation with their main advisors.</p>

Agricultural Sciences and Resource Management in the Tropics and Subtropics

	The second study year is devoted to the thesis research, including a specialisation module (from knowledge to action) and methodology training, elaboration and presentation of the thesis proposal, collection of experimental data at the (sub)tropical field research site, and writing and defence of the thesis.
Target group	Young qualified professionals from government agencies, NGOs, private enterprises, and universities, presently working in agricultural / environmental research and development or related fields.
Course language	English
Entry requirements	<ul style="list-style-type: none"> • Degree (BS) in agricultural sciences or in a field related to the post-graduate course with an above-average grade from a University/ college • Fluency in English– TOEFL (550 points) or IELTS (band 6) – certificate • At least two years of professional experience in agriculture is desired • Age limit: 36
Degree awarded	Master of Science (M.Sc.)
Course begins	April 2010 (for DAAD scholars) and October 2011
Course duration	2 months German language; 24 months (4 semesters) technical courses, practical, project seminar and thesis research.
Duration of German language course prior to beginning of programme	2 months before the beginning of the course work (February-April); German language tutoring continues throughout the first study year.
Application deadline	31 August 2009 at the German Embassy; 30 September 2009 at DAAD in Bonn; 31 October 2009 at the University of Bonn for the intake of April 2010 Preview: 31 August 2010 at the German Embassy; 30 September 2010 at DAAD in Bonn; 31 October 2010 at the University of Bonn for the intake of October 2011.
Remarks	Besides the general administrative and student registration fees of € 160 per semester, non-stipend holders have to pay a study fee of € 500 per semester.
For further information contact	University of Bonn, Faculty of Agriculture ARTS-Secretariat Nussallee 1 53115 Bonn Germany Phone: +49-(0)228-73-3364/-2924 Fax: +49-(0)228-73-2619 e-mail: arts@uni-bonn.de http://www.arts.uni-bonn.de

Tropical Forestry and Management

Institution	Technische Universität Dresden (Dresden University of Technology)
Location	The Department of Forestry of Dresden University of Technology is located in Tharandt, a picturesque small town surrounded by forests. Master students in Tropical Forestry and Management are preferably accommodated by the various student hostels in Dresden. Frequently running sub-urban trains take them to Tharandt within only 20 minutes. The scientific institutes, lecture rooms and labs are housed in buildings of the former Royal Academy of Forestry, as well as newly constructed ones with modern equipment for teaching, studying and experimenting.
Course focus	The Master's course aims at educating and qualifying executives for the development of scientifically based, innovative and sustainable management concepts directed to natural forests; forest plantations and other wood formations; agroforestry systems and urban green spaces and the control of their implementation and monitoring. Special emphasis is given to the flexible adaptability to the changing conditions of the society and the manifold interactions among human beings and forest formation development from a multi-disciplinary perspective. Therefore, the Master's course is composed of 18 interdisciplinary modules in accordance with the Bologna process. Altogether the two-year course comprises 120 credits (ECTS) structured in 3 semesters for attendance studies and 1 semester for elaboration and defence of the Master's thesis. The modules offered during the second and third semesters contain optional proportions allowing the student to identify and follow a particular individual profile. The research plan is prepared to effectively collect and analyse primary data from late third up to early fourth semester. Elaboration and defence of the Master's thesis complete the course. The course programme with its various fields of tropical and subtropical forestry, is designed to enable participants to acquire qualifications which meet the professional and interdisciplinary methodological standards required to pursue and develop their careers. Study contents: The course not only provides complex knowledge of forestry in tropical and subtropical regions, but also refers to related aspects of forestry in Central Europe. First semester modules include forest ecology; forest development and land use policy; inventory and assessment of forest resources; forest culture and extension; forest plantations and agroforestry and forest utilisation. The second semester modules include forest ecosystems, silviculture and forest protection; economics and management of forest resources; organisation and management systems; project planning and evaluation; tropical soils, degradation and rehabilitation; management of protected areas, wildlife and tourism; and complex thematic seminars. The third semester modules include management systems in natural forests; management systems in forest plantations; urban tree management; integrated land use management at landscape scale, scientific working methods and elaboration of the research plan.

Agricultural and Forest Sciences

Tropical Forestry and Management

All subjects are conducted through lectures, exercises, discussions, seminars, practical trainings, home studies and excursions.

The fourth semester consists of preparation and defence of the Master's thesis. Since 2006, the ERASMUS Mundus Programme Sustainable Tropical Forestry (SUTROFOR) has been integrated in the non-consecutive Masters course.

Course language	English
Target group	Graduates in forestry science or other related scientific disciplines (e.g. agriculture, biology) with at least two years of career experience.
Entry requirements	<ul style="list-style-type: none"> • Degree (B.Sc.) in forestry science or other subjects relevant to the postgraduate course • At least two years of career experience in the field of forestry • English – TOEFL: score of 550 points on paper-based test (PBT) or a score of 213 on computer-based test (CBT)/ or IELTS (band 6) – certificate • Age limit: 36
Degree awarded	Master of Science (M.Sc.)
Duration of German language course prior to beginning of programme	2 months
Course begins	October 2009
Duration of the course	24 months
Application deadline	31 August 2009 at the German Embassy; 30 September 2009 at DAAD; 15 October 2009 at the University
Remarks	<ul style="list-style-type: none"> • The Masters course was accredited by the accreditation Agency ASIIN in 2007. • A two-month German language course begins early August. • Applications have to be submitted in English.
For further information contact	Technische Universität Dresden Fakultät Forst-, Geo- und Hydrowissenschaften Fachrichtung Forstwissenschaften Institut für Internationale Forst- und Holzwirtschaft Postfach 1117 01735 Tharandt Germany Phone: +49-(0)35203-38-31823 Fax: +49-(0)35203-38-31820 e-mail: tropen@forst.tu-dresden.de http://www.forst.tu-dresden.de/Inter

Agricultural and Forest Sciences

Agricultural Economics and Related Sciences

Institution	Justus-Liebig-Universität Giessen (Justus-Liebig-University Giessen) and Universität Hohenheim (University of Hohenheim)
Location	<p>The Justus Liebig University was founded as one of the first universities in the German speaking world. Justus Liebig University combines up-to-date research and teaching with the tradition of a University which is now almost 400 years old. Today, the University has about 22,000 students, about 10% of which belong to the newly founded faculty Agriculture, Food Sciences and Environmental Management.</p> <p>The University of Hohenheim, which was founded in 1818, is located outside the city of Stuttgart close to the airport. The main building is an old castle surrounded by large parks and two experimental farms. Short distances between all campus facilities make the orientation for new incoming students easy and allow a familiar atmosphere. Agriculture is a dominant faculty with a large number of international students, extensive curricula and a high proportion of Ph.D. students.</p>
Course focus	<p>This Ph.D. programme is offered to candidates from all over the world. It is in English, but includes a German language crash course. Prior to the thesis research, course work of about four months is needed. The thesis research may deal with any kind of agricultural development at micro, regional or macro level, including related fields like environment or rural development of the candidate's home country. The aim is to qualify the candidates as researchers and teachers, who are then able to analyse problems and develop solutions for their home countries in a systematic way. Today most of the former students are acting as multipliers of knowledge at universities or other institutions in their home countries. This objective is supported by the many ongoing cooperation and continuing exchange activities that take place after the study in Giessen or Hohenheim.</p>
Course language	English
Target group	Young scientists from Africa, Asia, Latin America with two years of professional experience after M.Sc. degree. Applications are invited primarily from universities and national and international research institutions for staff development, but applications from M.Sc. degree holders already employed in government, administration, consultancies, international agencies and industry are also accepted.
Entry requirements	<ul style="list-style-type: none"> • Master's degree or equivalent is required with a minimum grade of A or B (the better the grade, the higher the chances). • Master's exam should have been finished at least two years before applying to ensure work experience of the candidates. • TOEFL with a minimum of 213 points computer based, 550 points paper based, 79 points internet based or equivalent is precondition.
Degree awarded	Dr. sc. agr. (Ph.D.)
Course begin	1st June each year

Agricultural Economics and Related Sciences

Parts and duration of the course In total 42 months

- German language course (4 months) at the University of Giessen in June every year
- Course work (4 months) at Giessen or Hohenheim, three modules and exams selected from areas relevant to the thesis topic
- Research design (2 months), literature review, conceptual preparation or research and field work
- Field work in the home country (maximum 6 months). Ph.D. students will go to their home countries
 - to create a basis of information for the dissertation.
 - to promote contacts with native institutions.
 - to ensure a cultural link between candidates and their home countries.

A close collaboration between Giessen/Hohenheim and the home institution/ University is supported. The supervisor from Giessen/Hohenheim will visit the home country of the Ph.D. student before the start of data collection.
- Analysis and Problem Solving Strategies (22 months). After returning to the University of Giessen/Hohenheim, processing of information and analyses of past development and current situation related to the research problem and objectives is needed. This is followed by future impact modelling and testing of alternative strategies to assess future problem solving activities.
- Writing of the Dissertation and Examination (4 months). During this period the candidates are simultaneously encouraged to publish articles and submit posters and papers to international workshops and symposia. The dissertations are published and are therefore easily accessible to the international research community.

Application deadline 31 August at the German Embassy;
30 September at DAAD in Bonn;
30 November directly at the two universities

A letter of acceptance from Hohenheim University or Giessen University is not required for the application.

The following documents are essential for the application:

- DAAD application form
- Certified copy of school certificate
- Certified copies of transcript of records and certificates of higher education (B.Sc. / BA and M.Sc. / MA or equivalent degrees)
- TOEFL or IELTS certificate
- Research topic and research proposal to identify the supervisor at Giessen/Hohenheim University
- C.V. and 2 letters of recommendation

It is advisable to contact the below mentioned Programme Coordinators at the University of Giessen or Hohenheim.

Agricultural Economics and Related Sciences

Remarks

- The selection of candidates depends on fulfilment of the faculty entry requirements and the availability of a supervisor. Since scholarships are offered from different institutions, the conditions may sometimes vary. The Programme Office supports candidates in finding a scholarship.
- Candidates are also encouraged to find a sponsor or funding organisation and scholarship through own activities. For any support in such activities, please contact the Programme Office in Giessen/ Hohenheim. A list of German institutions providing scholarships can also be provided.
- The final decision on the topic of the thesis is made jointly by the candidate and the supervisor. The research should fit into the overall research programme of the supervisor. The language of the courses and seminars as well as of publications including the Ph.D. thesis is English. Very good English language proficiency is a precondition for writing the Ph.D. thesis.

Continuous cooperation
It is in the philosophy of the programme to support continuous relations and establish cooperations between the University of Giessen/ Hohenheim and the doctoral graduates as well as the respective institutions in which they work.

For further information contact

Prof. Dr. S. Bauer
Projekt- und Regionalplanung
Universität Giessen
Senckenbergstr. 3
35390 Giessen
Germany
Phone: +49-(0)641-99-37310
Fax: +49-(0)641-99-37319
e-mail: siegfried.bauer@uni-giessen.de
<http://www.uni-giessen.de/Regionalplan/daad/daad.htm>

Prof. Dr. W. Doppler
Universität Hohenheim
Institut für Agrar und Sozialökonomie
in den Tropen und Subtropen (490 c)
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Germany
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e-mail: doppler@uni-hohenheim.de
<http://www.uni-hohenheim.de/490c>

Agricultural and Forest Sciences

Agricultural Economics – AgEcon

Institution	Universität Hohenheim (University of Hohenheim)
Location	The University of Hohenheim is located about 15 km outside of Stuttgart in southwestern Germany. It was founded in 1818 as an institution for agricultural teaching and research with the aim of combating hunger. Today, the University has three faculties and around 7,000 students; 20 % are international coming from more than 90 different countries. The focal point of the campus is the beautiful Hohenheim Castle surrounded by a spacious park and botanical garden. The University of Hohenheim is one of Europe's leading universities in the fields of agricultural sciences and economics.
Course focus	<p>The four-semester M.Sc. programme emphasises a firm foundation in economic analysis and quantitative methods to address real-world policy issues related to agriculture, food and the environment. Globalisation, sustainability, poverty, food security, food safety, agricultural policy reform and rural development are typical issues that are being analysed using innovative methodologies.</p> <p>A course semester consists of five thematic modules, each ending with a written or oral exam. In addition to compulsory modules, there is a wide choice of electives. Classroom work is supplemented with computer exercises, discussion sessions, research seminars and case studies. Modules are organised and taught by Hohenheim professors who have broad experience in international research. Students also benefit from Hohenheim's active links with academic partners worldwide. Guest speakers from partner universities as well as research, development and policy institutions cover additional topics and thus enrich the curriculum with special fields of expertise.</p> <p>After three course semesters, the last six months are reserved for the M.Sc. thesis, which often involves primary data collection abroad. The thesis can pursue empirical or theoretical questions related to ongoing research projects, but students' own initiatives and ideas are also welcome.</p>
Target group	Outstanding students and professionals interested in international issues and pursuing a career in policy analysis related to agriculture, food, the environment, and rural development.
Course language	English
Entry requirements	<ul style="list-style-type: none"> • An above-average B.Sc. degree in agricultural sciences, economics or a related discipline following at least three years of University studies • Basic understanding of micro- and macroeconomics, a solid background in mathematics, statistics and computer literacy • Good knowledge of the English language (If English was not language of instruction previously, TOEFL score of no less than 550 points/paper based (213 points/computer based) or IELTS no less than band 6.0) • At least two years of relevant professional experience (for DAAD scholarship applicants) • Graduation from University should be recent, not more than three years ago (for DAAD scholarship applicants)

Agricultural and Forest Sciences

Agricultural Economics – AgEcon

Degree awarded	Master of Science in Agricultural Sciences, Major in Agricultural Economics
Course begins	October of each year (German language course starts in August)
Course duration	24 months
Application deadline	<p>For DAAD-applicants: 31 August at the German Embassy; 30 September at DAAD in Bonn; 01 December at the University</p> <p>Otherwise: 15 March for non-EU nationals; 15 July for EU nationals</p>
Duration of German language course prior to beginning of programme	2 months (for DAAD scholarship holders)
Remarks	In addition to the official DAAD application form, candidates are required to submit a particular course application form which is available at www.uni-hohenheim.de/agecon
For further information contact	<p>AgEcon Programme Coordinator University of Hohenheim (790) 70593 Stuttgart Germany</p> <p>Phone: +49-711-459-23305 Fax: +49-711-459-23315 e-mail: agecon@uni-hohenheim.de http://www.uni-hohenheim.de/agecon</p>

International Agribusiness

Institution Georg-August-Universität Göttingen (Georg-August University Göttingen) in partnership with University of Talca, Chile

Location The Georg-August-Universität Göttingen (GAUG) was founded in 1737. Famous scientists such as Gauß, von Haller, Weber, Nernst and Heisenberg, to name but a few, helped to make scientific advances in mathematics, biology, chemistry, and physics. Forty-two Nobel Prize winners have studied, done important research and taught in Göttingen.

GAUG comprises 13 faculties including Agricultural Sciences, 3,063 scientists including 404 professors, 24,400 students from 133 countries, and a modern University library with more than four million volumes and subscriptions to about 16,000 scientific journals.

The University of Talca is situated in the city of Talca, within the Maule Region, Chile's VII Region, 257 km south of Santiago de Chile. The University of Talca, founded in 1981, offers degree programmes in the following fields: Law, Agriculture, Forestry Engineering, Business, Accounting, Dentistry, Medical Technology and Mechanical Engineering.

The Faculties of Agriculture of both universities have been cooperating scientifically for many years. In 2002 they introduced this new postgraduate course in International Agribusiness in order to meet the demand for qualified executive personnel. The programme speakers are Prof. Dr. Stephan von Cramon-Taubadel, Department for Agricultural Economics and Rural Development (on behalf of the Faculty of Agricultural Sciences, University of Göttingen) and Prof. Dr. Jose Diaz-Osorio (on behalf of the University of Talca).

Course focus The core study programme consists of modules covering international agricultural trade and agricultural and rural development policy as well as business administration, management and agribusiness marketing.

As a research-oriented M.Sc. in international agribusiness, a strong emphasis is put on acquiring research skills in methodological modules covering econometrics, marketing and social science research. The course further offers a number of optional modules in agricultural technology, agronomy and animal production. Teaching modules also include seminars, computer-aided exercises, and team work so as to enhance the presentation, communication and team-building skills of students.

The course lasts for 26 months (including a two-month German language course). There are three teaching semesters with a total of fifteen modules. The first semester commences in March of every year at the University of Talca in Chile, where students are expected to pass at least 5 modules (each having about 60 hours per semester).

In late July of each year, students relocate to Germany in order to attend a two-month intensive course in elementary German. During the next two semesters at the University of Göttingen they attend 10 to 12 additional modules. Exams are held at the end of each semester, i.e. in February and in July.

International Agribusiness

During the remaining research phase of nine months (August to April), students undertake their M.Sc. thesis research – usually in their home country/region – in collaboration with agribusiness firms, government or non-governmental or international organisations involved in the agribusiness sector. The thesis is presented to an academic committee in Göttingen at the end of the programme.

Target group Highly qualified students who wish to pursue a career in international agribusiness with the private sector or with state, research, or nongovernmental organisations concerned with the agribusiness sector.

Successful applicants must have an excellent grade average in their undergraduate degree (B.Sc. or Diploma) and a good working knowledge of English and Spanish.

Course language English (at the University of Talca partly in Spanish)

Entry requirements

- B.Sc. Degree (or equivalent) in agricultural sciences, business administration, economics, social sciences, forestry, veterinary sciences, or food and nutrition sciences. Successful applicants will have a good to excellent grade average.
- At least 2 years professional experience (for DAAD scholarship)
- Minimum TOEFL score of 550/213 points (old/new grading system)
- Age limit: 36 (for DAAD scholarship)

Degree awarded Master (M.Sc.) by Faculty of Agricultural Sciences, University of Göttingen, with specialisation in International Agribusiness

Course begins Every year in early March in Talca, Chile

Course duration 26 months (including two-month German language course)

Duration of German language course prior to beginning of programme 2 months

Application deadline 30 September at DAAD in Bonn;
31 August at the German Embassy and at the addresses below
Detailed information and the online-registration form is available at <http://www.agribiz.uni-goettingen.de>

International Agribusiness

- Remarks**
- DAAD scholarships are only available for students who are nationals of countries in Latin America and the Caribbean.
 - Students from other developing regions as well as from developed regions (including Germans) enrol in the first semester at the University of Talca.
 - Sufficient financial resources and a good working knowledge of Spanish are required.
 - In addition to the official DAAD application form, candidates are required to submit a particular course application form, which is available on our webpage.

For further information contact

The Coordinator of the M.Sc. Programme
International Agribusiness
Department for Agricultural Economics and Rural Development
Platz der Göttinger Sieben 5
37073 Göttingen
Germany
Phone: +49-(0)551-39-4859
Fax: +49-(0)551-39-9866
e-mail: agribiz@gwdg.de

or:

Programa "Master in International Agribusiness"
Universidad de Talca
Departamento de Economía Agraria
2 Norte N °685, Casilla 747-721
Talca
Chile
Phone: +56-(0)71-20-0214; +56-(0)71-20-0218
Fax: +56-(0)71-20-0212
e-mail: mia@utalca.cl

Tropical and International Forestry

Institution	Georg-August-Universität Göttingen (Georg-August University Göttingen)
Location	The Georg-August-University is a state University of world renown. It was founded in 1737 and is alma mater to 41 Nobel Prize winners. Of the 24,000 students currently enrolled, more than 3,000 are foreigners. The Faculty of Forest Sciences and Forest Ecology is working closely together with the faculties of Agriculture, Biology, Geography, Economics and others on interdisciplinary research projects and in higher education. There are also plenty of subjects available in the programmes at the other faculties, most of which are English language programmes as well. Göttingen is located in the heart of Germany with excellent transportation connections for travelling in Europe. It has a reputation as a friendly, international, medium-sized University town with almost half of its 134,000 inhabitants being under 30 years old.
Course focus	(Note: each of the following modules is 4 hours/week/semester or 6 ECTS): Ecopedology in the Tropics and Subtropics, Tropical Forest Ecology and Silviculture, Biometric Data Analyses and Forest Dynamics, Forest Development Policy, Forest Inventory, International Forest Economics, Tropical Dendrology and Wood Science, Forest Genetics and Plantation Forestry, Bioclimatology and Global Change, Forest Utilisation and Wood Processing, Project Planning, Management and Evaluation, Forest Protection and Agroforestry, Non-Timber-Forest Products and Wildlife Management, Tree Physiology and Wood Biology, Remote Sensing and GIS, Forestry in Germany, Scientific Working. A project takes place in the 3rd semester: Managing Sustainable Forestry Systems in Germany (10 hours/week/semester – 15 ECTS). Modules from other MSc-programmes at Göttingen University (faculties of Agriculture, Biology, Geosciences, etc.) may be taken as electives; another approximately 50 modules at MSc level are offered in English.
Target group	Forestry officers holding a diploma, higher education graduates who are working as specialists at an institution of higher education, a forestry commission, or in a forestry-related industry in the tropics and subtropics.
Course language	English
Entry requirements	<ul style="list-style-type: none"> • Degree in forestry science or in another subject relevant to the post-graduate course • At least 2 years of professional experience • Fluency in English: – TOEFL (550 points or 80 on the internet based TOEFL) or IELTS (band 6) – certificate • Age limit: 36
Degree awarded	Master of Science (M.Sc.)

Tropical and International Forestry

Duration of German language course prior to beginning of programme	2 months
Course begins	October 2010
Course duration	24 months
Application deadline	31 August 2009 at the German Embassy; 30 September 2009 at DAAD in Bonn and at the University
Remarks	<ul style="list-style-type: none"> • The two-month German course begins early August 2009. • A field research trip to a developing country forms an integral part of this course and is part of the Master's thesis.
For further information contact	Prof. Dr Ralph Mitlöhner Georg-August-University Göttingen Faculty of Forest Sciences and Forest Ecology Department of Tropical Silviculture Buesgenweg 1 37077 Goettingen Germany e-mail: tiftut@gwdg.de http://www.uni-goettingen.de/de/73437.html

Master of Science in International Horticulture

Institution	Leibniz Universität Hannover (Leibniz University of Hannover)
Location	The Leibniz Universität Hannover with more than 30,000 students and about 1,700 employees (including 400 professors) offers a broad study spectrum from natural sciences and engineering to economics, law and the humanities. Hannover is a cultural centre in Northern Germany. It has several theatres, an opera house and a number of museums. Touristic highlights are the Old Town Hall, the Market Church and the Leibniz House, where the famous scientist Gottfried Wilhelm Leibniz lived from 1698 up to his death in 1716. Because of its numerous parks Hannover is a very green city.
Course focus	<p>Continuing economic growth world-wide is leading to an ever-increasing pressure on natural resources. It is necessary to find new solutions to this problem so that long-term sustainable development can be initiated and guaranteed. Intensive scientific research as well as well-developed and organised extension services can make a valuable contribution to solving the problems arising from this. Especially horticulture, being one of the most intensive forms of land use and consumption of resources, must meet this new challenge.</p> <p>The establishment of the research-orientated graduate course "Master of Science in International Horticulture" (abbr. "MSc. Horticulture") is intended to make a contribution towards the training of potential scientists and extension officers who will be in charge of these tasks.</p> <p>Optimal facilities available</p> <p>In order to achieve this the Institutes or Units for (1) Biological Production Systems (Vegetable, Fruit Science, and Horticultural Engineering), (2) Floriculture, Tree Nursery Science and Plant Breeding, (3) Plant Nutrition, (4) Plant Diseases and Plant Protection, (5) Bio-Informatics, (6) Botany and (7) Plant Genetics have an almost unique combination of subjects at their disposal.</p> <p>Moreover, the Institute of Horticultural Economics participates in the course. This broad offer allows the student to select a specialisation from a wide range of fields of research.</p> <p>Structure of the graduate course</p> <p>The graduate course lasts four semesters (two academic years). During this time students have to complete a research project for their Master's thesis. The thesis should achieve a scientific level that permits the results to be published in an international peer reviewed journal.</p> <p>Parallel to this, students must successfully complete courses equivalent to 60 ECTS credit points during these two years. The total number of courses available is 44. The goal of the courses is to provide the students with the necessary methodological know-how and enable them to obtain detailed specialist knowledge in an effective way.</p>

Master of Science in International Horticulture

Supervision of the students

A supervisory committee consisting of three academics is formed for every MSc student. It consists of the main supervisor, who is responsible for determining the subject of the research project and its organisational framework of conditions and two other supervisors who ensure that the student receives the training necessary for successful research. The supervisory committee holds three colloquia with each individual student. The subject of the colloquia is a discussion about the concept of the research project, its progress and its results.

Integration of the students into the institutes

Every student in the Master's programme is assigned a position in the institute in which the research is carried out. Thus students will be easily integrated into their subject. The permanent contact with staff members will also help students to find their way into German everyday life.

Target group	Young professionals in the field of horticulture, agriculture, biology, or related subjects including horticultural and agricultural economics
Course language	English
Entry requirements	<ul style="list-style-type: none"> • The requirement for admission to the Master's programme is the successful completion of an undergraduate academic programme with above-average results at a college/University or polytechnic in the field of horticulture, agriculture, biology or related subjects. • An internationally recognised qualification (preferably a B.Sc. in Horticulture, Agriculture or Biology or related courses of study) is required. Further details can be found in the course's Regulations for Admission. • Students with practical work experience (at least two years) are preferred. • Fluency in English – TOEFL (550 points) or IELTS (band 6) – certificate • Age limit: 36 years
Degree awarded	Master of Science in International Horticulture (M.Sc.)
Duration of German language course prior to beginning of programme	2 months
Course begins	October 2010
Course duration	24 months
Application deadline	31 August 2009 at the German Embassy; 30 September 2009 at DAAD in Bonn; 01 November 2009 at Leibniz University other financial sources: 15 June 2010

Master of Science in International Horticulture

Remarks	<ul style="list-style-type: none"> • In addition to the official DAAD application form, candidates are required to submit a particular course application form which is available on the internet or from the Admission Office. • For DAAD scholars: A two-month intensive German course will take place in August 2010.
For further information contact	<p>Leibniz Universität Hannover Master of Science in International Horticulture Admission Office Prof. Dr. Dieter M. Hörmann Herrenhäuser Str. 2 30419 Hannover Germany Phone: +49-(0)511-762-4184 Fax: +49-(0)511-762-3606 e-mail: hoermann@gem.uni-hannover.de http://www.hort.uni-hannover.de/</p>

International Studies in Aquatic Tropical Ecology – ISATEC

Institution	Universität Bremen (University of Bremen)
Location	Bremen is a medium-sized town in Northern Germany with long-standing international trade traditions. The town has developed into one of the major centres of science in Germany. Besides three universities, it hosts major research institutes, three of which are contributing to the ISATEC programme. The University of Bremen has implemented several international M.Sc. programmes. Special events and activities (e.g., language classes, cultural programmes, an international office, student partnerships) are specifically designed to support international students.
Course focus	ISATEC aims at the joint education and specialisation of German and foreign postgraduate students in the field of tropical aquatic ecology, including theoretical and applied ecology, with emphasis on concepts and methodologies for the sustainable utilisation and conservation of tropical aquatic ecosystems. Thus, fisheries biology, aquaculture sciences as well as ecological economics and social sciences relevant to coastal planning and management are major parts of the programme. The education in multicultural groups, the solution of conflicts as well as the realisation of the benefits of diverse backgrounds, will further qualify graduates for working in international teams. During the third term, students will apply this acquired knowledge while carrying out research projects at one of the tropical partner institutions/ universities to collect data for their M.Sc. thesis.
Target group	Graduates with a strong interest in tropical ecology and the management of natural resources, desiring to work on applied issues, possibly in international multidisciplinary teams on a local, international or global level.
Course language	English
Entry requirements	<ul style="list-style-type: none"> Prerequisites for foreign and German students are the academic degree "Bachelor of Science" in biological or environmental sciences. Students who studied at a German University and passed the "Vordiplom" and an additional year in the "Hauptstudium" fulfil the prerequisite. Proficiency in English (TOEFL with a minimum score of 550 points, 220 computer-based, 83 internet-based; IELTS 6.5 points), is required for non-native speakers. For DAAD scholarship applicants: at least two years of professional experience Age limit: 36 <p>All application forms and information can be downloaded from our web page www.isatec.uni-bremen.de</p>
Degree awarded	Master of Science in Aquatic Tropical Ecology
Course begins	October 2009
Course duration	24 months (4 terms)

International Studies in Aquatic Tropical Ecology – ISATEC

Duration of German language course prior to beginning of programme	2 months
Application deadline	31 August 2009 at the German Embassy; 30 September 2009 at DAAD; 15 October 2009 at the ISATEC co-ordination office For applicants with own financial resources: 15 July 2009 In addition to the official DAAD application form, candidates are required to submit a particular course application form, which is available on the ISATEC web page or directly from the ISATEC-coordination.
Remarks	<ul style="list-style-type: none"> Individual support of our students is one of our major concerns. Each student has a scientific mentor throughout the year of the elaboration of the Master's Thesis. Furthermore, a tutor offers study groups, helps in everyday matters, sets up spare time activities to integrate all group members, introduces local culture and provides counselling to all ISATEC students. Advanced students will further help newcomers with orientation on campus, and especially preparation for the term abroad and the field work. Students are invited to join the low-cost, extensive social and sport activities of the University of Bremen. ISATEC continues the long tradition of training in aquatic ecology at Bremen University in collaboration with the Centre for Tropical Marine Ecology (ZMT) which is the central German institution co-ordinating all German research and collaborations in the tropics. Lecturers with long years of working and teaching experience in tropical countries as well as from tropical countries are complemented by scientists from the Alfred Wegener Institute for Polar and Marine Research (AWI), the Max Planck Institute for Marine Microbiology (MPI) and other German universities. Currently, there are no tuition fees for this course other than the standard enrolment fees at the beginning of each semester (approx. 200 EUR (270 US\$)).
For further information contact	Prof. Dr. K. Bischof c/o ISATEC co-ordination office Center for Tropical Marine Ecology Fahrenheitstr. 6 28359 Bremen Germany Phone: +49-(0)421-2380042 Fax: +49-(0)421-2380030 e-mail: isatec@uni-bremen.de http://www.isatec.uni-bremen.de

Environmental Governance – MEG

Institution	Albert-Ludwigs-Universität Freiburg (Albert-Ludwig University Freiburg)
Location	Freiburg, Germany's solar city, is located at the foot of the Black Forest, very close to France and Switzerland. The town is surrounded by an impressive landscape, with snow-covered mountain tops in winter and a Mediterranean-type vegetation in the nearby Rhine Valley. Freiburg is a traditional yet dynamic University town and one of the most beautiful and attractive cities in Germany. It has a population of about 200,000 inhabitants. The University has recently been awarded the prestigious 'University of Excellence' status.
Course focus	<p>Sustainable development and accordingly sustainability in the manifold relationships between humans and the environment have become integral rules of conduct in politics and society. This is also true in economics, where for many companies a commitment to the principles of sustainability has become a central strategic competitive advantage.</p> <p>One of the major challenges to the implementation of the overall concept of sustainable development concerns effective governance processes between various stakeholders regarding the wise use of environmental resources within companies, administrations, organisations, and society at large.</p> <p>The M.Sc. Programme 'Environmental Governance' (MEG) addresses this special need. Unique worldwide, its focus is on facilitating the institutionalisation of context-effective environmental governance arrangements that combine the regulation of market, state and civil society for sustainable development. The study programme comprises:</p> <ul style="list-style-type: none"> • The development of a sound knowledge basis on the most pressing environmental issues facing the planet and their underlying social causes. • The comparative discussion of different analytical frameworks from social, economic and political science perspectives. • The provision of methodological knowledge and skills for the context-sensitive design and management of the environmental governance process. <p>The programme does not limit itself to a special regional context but focuses on environmental governance processes in a representative, worldwide perspective from local to international level.</p>
Target group	The MEG Programme is targeting future leaders in the complex field of sustainable development. 'Sustainability designers' possessing grand, innovative ideas about environmental governance arrangements transcending the traditional functional, structural and territorial boundaries. 'Sustainability managers' embracing and understanding these ideas and capable of finding ways to implement them in a context-sensitive manner.
Course language	English

Environmental Governance – MEG

Entry requirements	<ul style="list-style-type: none"> • B.Sc. degree or equivalent awarded with a grade well above the average in political sciences, sociology, law, economics, ethnology, international cooperation, development studies, nature conservation, environmental management, land use planning, natural resource management, agricultural or forest science, geography or other related fields • At least two years' relevant professional experience English language skills (TOEFL paper-based test score of 600 points, computer-based test score of 250 points, internet-based test score of 100 points, IELTS band 7.0) • Age limit: 36
Degree awarded	Master of Science (M.Sc.)
Course begins	Beginning of October every year
Course duration	24 months
Application deadline	<p>31 August at the German Embassy 30 September at the DAAD in Bonn or 15 October at the University of Freiburg (MEG Programme)</p> <p>It is sufficient to send your complete application documents (DAAD forms and MEG forms) either to the DAAD or to the MEG Programme directly. Please choose one, do not send your documents to both addresses.</p> <p>In addition to the official DAAD scholarship application form, candidates must also submit the application form and application documents required by the MEG Programme, which can be downloaded at www.meg.uni-freiburg.de. These include:</p> <ul style="list-style-type: none"> • Previous education certificates (officially authenticated copies) • A detailed curriculum vitae (signed and dated) • A motivation letter explaining why you have chosen the Master's programme. (Please follow the guidelines at www.meg.uni-freiburg.de) • Two letters of recommendation, one academic and one professional (Your referees must use the MEG forms available at www.meg.uni-freiburg.de) • English language certificate (TOEFL paper-based 600 points, computer-based 250 points, internet-based 100 points, IELTS band 7) <p>Please note that for M.Sc. candidates the DAAD does not require proof of contact with a supervisor of the MEG programme or a letter of admission to the MEG programme. The MEG application form is sufficient.</p>
Duration of German language course prior to beginning of programme	2 months

Environmental Governance – MEG

- Remarks**
- An internship of 7 weeks is required during the course.
 - The programme is accredited by ACQUIN in accordance with international standards.

For further information contact

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Master of Science in International Health (Berlin)

Institution Charité Universitätsmedizin Berlin (Charité Medical School Berlin), Humboldt Universität (Humboldt University) and Freie Universität Berlin (Free University of Berlin)

Location

Berlin is the capital and largest city of Germany. Nearly one third of Berlin's 3.5 million inhabitants are younger than 25, and the city hosts almost half a million internationals from 184 countries. Berlin is proud of its large and varied cultural scene, which includes three opera houses, more than 150 theatres and concert halls, 400 independent theatre groups, 70 museums, 200 art galleries, 120 cinemas, and numerous other cultural centres. In Berlin, scientists in every field have always found optimal conditions for pursuing their work, Rudolf Virchow, Robert Koch and Albert Einstein among others. Berlin is also the largest University city in Germany with approximately 145,000 students enrolled in 15 universities and research facilities. Charité Universitätsmedizin Berlin, dating back to 1710, is the unified medical campus of the Free University and Humboldt University and one of the most renowned medical schools in Europe today.

Course focus

Study Focus
The Master of Science Programme in International Health raises awareness of current global health concerns and allows students to identify and critically analyse key factors shaping the health and well-being of populations. The programme contributes to sustainable development and focuses on improving the management of health services for disadvantaged populations with a focus on low- and middle-income societies.

The tropEd Network

The programme is organised within the tropEd Network for Education in International Health, a registered association of 37 member institutions in 13 European countries with collaborating institutions in South Africa, Thailand, China, Indonesia and Mexico. The programme is characterised by a unique synergy of experience and expertise of leading higher education institutions. Its innovative approach is based on the mobility of people, the exchange of experiences in different disciplines and the establishment of a common international standard in education and training. The programme prepares people to work more effectively in a multicultural environment by exposing them to multiple perspectives. The Network Secretariat is based at the Institute of Tropical Medicine of Charité Universitätsmedizin Berlin.

Content

The Master's programme comprises studies in a number of public health-related disciplines including anthropology, biology, economics, environmental health, epidemiology and statistics, health promotion, management sciences, nutrition, population sciences, reproductive health, psychology, social sciences, travel and migrant health, and tropical medicine with a focus on infectious diseases, bacteriology, parasitology, virology and laboratory practice.

Structure

The Master's Programme in International Health is a modular degree programme for full-time or part-time study, consisting of an introductory core course, advanced optional modules and a research project submitted as a thesis. The core course and a number of advanced modules are offered at

Master of Science in International Health (Berlin)

Charité Berlin. Further optional modules can be selected from a list of more than 180 courses offered by the tropEd partner institutions (see course catalogue at www.troped.org). Full-time students can choose from among six pre-defined study tracks, reflecting the strengths of the network institutions, namely: Tropical Medicine and Disease Control; Health Systems, Health Policy and Management; Sexual and Reproductive Health; Child Health; Health Research Methods; and Health in Emergencies. The course offer includes distance and e-learning modules. The network is presently embarking on the establishment of a joint Ph.D. programme in International Health.

Quality Assurance

A peer-reviewed quality assurance process within the tropEd Network guarantees highest standards in education and training. National accreditation of teaching provision has been obtained in Germany as well as in several other European countries, and the programme has repeatedly been selected as one of the best European Master's programmes (2002 European University Association; 2004 and 2005 European Commission). The programme was recognised for demonstrating innovation in addressing issues of transnational cooperation with an excellent record of teaching quality assurance and recognition, student mobility, course integration and sustainability.

Duration / ECTS Credits

The programme can be completed within two semesters (full-time) or up to ten semesters (part-time). A total of 60 European Credit Transfer System (ECTS) credit points must be accumulated for successful completion of the programme; one ECTS credit point is equivalent to 30 hours student investment time. A minimum of 10 ECTS credit points needs to be earned in tropEd partner institutions outside of Germany. The research project may be undertaken either in Berlin or abroad.

Target group	Selection of participants is guided by the programme's emphasis on a multi-disciplinary approach to international health. Students from a variety of backgrounds are recruited, including medical professionals, social scientists, health educators, and health managers.
Course language	English
Entry requirements	<ul style="list-style-type: none"> • Bachelor's or equivalent degree in a health-related field, e.g., medicine, public health, biology, educational sciences, psychology, sociology, anthropology, epidemiology, nutrition, health economics plus relevant professional experience • Proficiency in English is to be demonstrated by a TOEFL score of at least 550 points paper-based, 213 points computer-based, 79–80 points internet-based, IELTS band score of at least 6.0 or an equivalent approved test.
Degree awarded	Master of Science in International Health
Course begins	Winter Semester: early September
Course duration	12 months

Master of Science in International Health (Berlin)

Duration of German language course	A 2-month introductory German language course is offered in July and August. (N.B.: The language of instruction is not German.)
Application deadline	31 August at German Embassy; 30 September at DAAD in Bonn; 15 October at Charité Universitätsmedizin Berlin; 1 May at Charité Universitätsmedizin Berlin (for self-paying applicants) Download of application forms at http://www.internationalhealth.de
Remarks	<p>Tuition Module and course fees follow regulations current in the tropEd partner institutions. In general there is a tuition fee of € 150 per credit point for core training, € 200 per credit point for optional modules and € 70 per credit point for research project and thesis work; overall tuition thus amounts to between € 7,500 and 9,800 depending on the courses and institutions selected.</p> <p>Scholarships Scholarships are awarded on a highly competitive basis. Please note that applicants for DAAD scholarships are required to submit the official DAAD application form (http://www.daad.de/deutschland/en/2.7.3.html) to the German embassies and/or DAAD offices abroad by 31st August of the year prior to the start of the programme. Erasmus Mundus scholarships (http://erasmus-mundus.troped.org) are available to full-time students from non-European countries with an outstanding academic or professional record. Such scholarships are also available to highly qualified European students who want to undertake part of their course work or research project at one of the partner institutions in China, Thailand or South Africa. Erasmus Mundus scholarship requests are to be addressed solely to the Educational Programme Office in Berlin.</p> <p>Special Services An introductory orientation programme, academic support services, guidance and counselling through a personal advisor system, cultural events and excursions are offered to all foreign students. Each student has a Charité-designated supervisor, who has relevant experience in the chosen study track and research or thesis topic.</p>
For further information contact	Charité Universitätsmedizin Berlin Master's Programme in International Health Educational Programme Office Institute of Tropical Medicine Spandauer Damm 130 14050 Berlin Germany Phone: +49-(0)30-30116865 Fax: +49-(0)30-30116888 e-mail: itm.studies@charite.de http://www.internationalhealth.de http://www.troped.org

Master of Science in International Health (Heidelberg)

Institution	Ruprecht-Karls-Universität Heidelberg (Heidelberg University)
Location	Heidelberg has a population of around 135,000 inhabitants and is situated in the state of Baden-Württemberg, in the south-western part of Germany. The city of Frankfurt with the nearest international airport is 90 km away. Besides the marvellous scenery and many historic attractions, Heidelberg is renowned as an important centre for teaching and research in Germany. The University of Heidelberg is the oldest University in Germany, founded in 1386. Today, around 29,000 students are enrolled with a high proportion of international students (ca 18%).
Course focus	<p>International Health Focuses on poverty-related health problems in low and middle income countries. It includes the promotion of health, prevention and treatment of disease, palliative care and rehabilitation. Studies of health systems, health economics, health policy, and management of health services are central.</p> <p>A cursory view of the health delivery systems in many developing countries shows a need for improved health policy, more efficient organisation and management at all levels of the delivery system, and sustainable financing. In order to make health services accessible to the people who need them most, reforms are urgently needed both at the policy-making level and on the delivery side. The MScIH was developed with these factors in mind.</p> <p>Teaching Approach Participatory teaching and learning methods are the underlying didactic concepts of the course. Participants are expected to take an active part throughout the course, e.g., small group work, individual study time and assignments, presentations based on their own working experience, case studies and group discussion.</p> <p>Structure: The course has three distinct parts, each accounting for 20 ECTS (European Credit Transfer System). In this system, credit points are given on the basis of Student Investment Time, i.e., how much time a student "invests" in a given topic (including lecture time, group work and individual learning time). The three parts of the M.Sc. IH are:</p> <ol style="list-style-type: none"> 1. A three-month core module, providing a basic overview on essential topics in International Health. 2. Advanced modules, offering more in-depth learning on selected topics. 3. A thesis module, allowing for guided individual research work with a personally flexible choice. <p>The course may be taken either as part time study within the TROPED network or as a compact one year residential programme at Heidelberg with a focus on health management. (for details please see: www.ukl-hd.de/athoeg/teaching). DAAD scholarships are available for the residential programme.</p>

Master of Science in International Health (Heidelberg)

Quality Assurance	The programme is accredited at the national level. All taught parts (Core Course, Advanced Modules) are additionally accredited in the TROPED network. International standard is further ensured by faculty members of other Institutes of Public Health acting as lecturers and external examiners. A maximum of 25 students are accepted into the programme, which guarantees an intensive personal contact with lecturers and academic supervisors throughout the programme.
Target group	The M.Sc. IH is intended for physicians and other health-related academic professionals with at least two years' work experience in International Health. Its focus is to provide students with a solid foundation in international public health principles and competency with the tools and methods necessary to initiate programmes that would improve the delivery of health services in an efficient, sustainable and equitable way. Career Perspective: Graduates are expected to take up policy, planning, management or teaching positions in, for example, international organisations, ministries of health, national health programmes, non-government organisations and universities.
Course language	English
Entry requirements	<ul style="list-style-type: none"> • Degree in medicine or any other equivalent academic degree (minimum of 4 years bachelor or masters degree; conform to the standard of Heidelberg University) plus at least two years' professional experience in a public health related position (to ensure maximum learning benefit for participants) • English language proficiency: if an applicant's first language is not English, he/she is requested to provide evidence of his/her English language proficiency with a TOEFL or IELTS test (TOEFL required minimum score: 237 computer based, 92-93 internet based, 580 paper based, IELTS required minimum: band 6.5). • Age limit for DAAD scholarship: 36 at time of application
Degree awarded	Master of Science in International Health (M.Sc. IH)
Course begins	1 October each year
Course duration	12 months
Duration of German language course prior to beginning of programme	2 months

Master of Science in International Health (Heidelberg)

Application deadline	<p>University deadline: 30 April for the same year's course</p> <p>DAAD scholarships are available for the residential programme with the following deadlines:</p> <p>31 August at the German Embassy;</p> <p>30 September at DAAD in Bonn;</p> <p>15 October at the M.Sc. IH course administration at Heidelberg for next year's course</p> <p>Different deadlines may apply for other scholarship funding agencies.</p>
Remarks	<ul style="list-style-type: none"> • Candidates are required to submit the M.Sc. IH course application form which is available from the course secretariat or may be downloaded from our website (see below). Applications for DAAD scholarship must be completed separately using the DAAD application form. • Tuition fee: 14,095 Euro for residential programme (special arrangements apply to DAAD scholarship holders)
For further information contact	<p>Heidelberg University Department of Tropical Hygiene and Public Health M.Sc. IH – Course Administration Im Neuenheimer Feld 324 69120 Heidelberg Germany</p> <p>Phone: +49-(0)6221-564905 Fax: +49-(0)6221-564918 e-mail: MSc_IH@urz.uni-heidelberg.de http://www.ukl-hd.de/athoeg</p>

Veterinary Medicine

Veterinary Public Health

Institution	Freie Universität Berlin (Free University of Berlin) in partnership with Chiang Mai University, Thailand
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Location	<p>Founded in 1948, the Freie Universität Berlin (FUB), with 43,000 students the largest of the 3 Berlin universities, offers more than 100 programmes of study, i.e., the entire spectrum associated with a traditional University (except engineering).</p> <p>The Faculty of Veterinary Medicine of the Freie Universität Berlin has a history of almost 40 years in postgraduate training in tropical veterinary medicine. Since 1992, the Freie Universität Berlin has been offering international postgraduate training formats in epidemiology and preventive veterinary medicine as well as in veterinary public health, leading to the academic degree of a Master of Science in Tropical Veterinary Epidemiology (MSc TVE).</p> <p>Its Postgraduate Studies in International Animal Health is the executing institution for all international training programmes. To date, six international courses on (1) veterinary public health and food hygiene and (2) epidemiology and preventive veterinary medicine have been conducted, for 74 young/mid-career veterinary graduates from 27 different countries in Africa, Asia and South America.</p> <p>This latest Joint MSc Programme in Veterinary Public Health (MVPH) is jointly executed with the Faculty of Veterinary Medicine at Chiang Mai University (CMU) in Thailand.</p> <p>The Chiang Mai University (CMU) was founded in 1964 and currently offers 141 graduate and diploma programmes in 14 faculties. Its Veterinary Faculty (FVM-CMU) provides excellent facilities and has recently established the Veterinary Public Health Centre for Asia Pacific. Strong teaching and research support also comes from the Institute of Meat Hygiene, Meat Technology and Food Hygiene of the University for Veterinary Medicine, Vienna / Austria.</p> <p>Berlin, the largest city and capital of reunited Germany, enjoys the reputation of a tolerant, cosmopolitan city offering a unique mixture of history, culture and modernity to the international student.</p>
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Course focus	<p>The Master of Science Degree Programme in Veterinary Public Health (MVPH) for the Southeast Asian region uses a modular curriculum structure to allow for state-of-the-art teaching of a particular topic as a combination of classroom knowledge transfer (lectures, group work, seminars, PC labs) linked to practical laboratory experience (bench work) within a defined and uninterrupted time period at a particular partner institution. Successful participation in a module will lead to the achievement of the full credit points according to the study regulations of FUB as well as CMU.</p> <p>PART A:</p> <ul style="list-style-type: none"> • At partner University CMU; October – December 2011: Introductory modules (13 credit points; 3 months) Core Modules: Concepts and Methods of Epidemiology, Data Processing and Computing, Introduction to Public Health & Veterinary Public Health, Sanitary and Phytosanitary Requirements, Zoonoses. Elective Modules: Food Technology, Environmental Health.
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- **At FUB; January – May 2012:**
Advanced modules (30 credit points; 5 months)
Core Modules: Risk Analysis, Laboratory Diagnosis, Microbiological Food Safety, Food Chain Approach, Veterinary Public Health Systems Approach, Laboratory Practical at the Institute of Meat Hygiene, Meat Technology and Food Hygiene of the University for Veterinary Medicine, Vienna/Austria (UVMV).
Elective Modules: Project Planning & Management, Animal Health Economics.
- **At partner University CMU and with Southeast Asian institutions in the region; June–August 2012:**
Region-specific modules (17 credit points, 3 months)
Core Modules: Research Methodology and Scientific Writing, Disease Surveillance and Information Services, Veterinary Public Health, Regulatory Tasks, Veterinary Public Health Structure and Legislation. Elective Modules: Regulations, Rules and Requirements for Importing Food into the European Union Regional Programmes for Veterinary Public Health.

PART B:

- **Master thesis in Southeast Asian region, at CMU and at FUB (total: 13 months)**
Project work (10 credit points); Study design workshop (10 credit points); Data analysis workshop (10 credit points); Master Thesis and Oral Defence (30 credit points).

Target group	Young and mid-career veterinarians and other professionals (natural, agricultural, medical sciences) from the Southeast Asian region with a background in and training needs for veterinary public health and food safety.
Course language	English
Entry requirements	The course is open to veterinarians and other professionals with: <ul style="list-style-type: none"> • A recognised degree in veterinary medicine or a food safety related subject • A minimum of two years of relevant professional experience in the Southeast Asian region • Proficiency in English (TOEFL 550 pointspaper-based or 213 pointscomputer-based or IELTS Band 6) • A letter of motivation
Degree awarded	The Master of Science Degree Programme in Veterinary Public Health (MVPH) is implemented as a Joint Degree ("Dual Award") Programme between the Faculties of Veterinary Medicine of the Freie Universität Berlin/Germany and the Chiang Mai University in Thailand.
Course begins	October 2011
Course duration	24 months (4 semesters)

Duration of German language course prior to beginning of programme	4 weeks
Application deadline	1 March 2011 at the Freie Universität Berlin
Remarks	<ul style="list-style-type: none"> • In addition to the official DAAD application form, candidates are required to submit a particular course application form that is available from the co-ordinators (see below). • The Joint MVPH Programme at FUB and CMU received accreditation in October 2005 and re-accreditation in 2009.
For further information contact	<p>As a citizen of a country in the Southeast Asian region other than Thailand: – The Co-ordinator – Postgraduate Studies in International Animal Health, Faculty of Veterinary Medicine, Freie Universität Berlin Koenigsweg 67 14163 Berlin Germany Phone: +49-(0)30-83862542 Fax: +49-(0)30-83862547 e-mail: IntVet@vetmed.fu-berlin.de http://www.vetmed.fu-berlin.de</p> <p>As a citizen of Thailand: – The Co-ordinator – FUB – CMU Joint MSc VPH Programme, VPHCAP Faculty of Veterinary Medicine, Chiang Mai University P.O.Box 212, Chiang Mai 50202 Thailand Phone: +66-(0)53-948073 Fax: +66-(0)53-948072 e-mail: vph@chiangmai.ac.th http://www.vphcap.org</p>

Vocational Education and Personnel Capacity Building

Institution	Technische Universität Dresden (Dresden University of Technology)
Location	The "Technische Universität Dresden" was founded in 1828 and is among Germany's oldest universities of technology. With about 35,000 students and 4,200 employees, including about 420 professors, the TUD is the largest University in the German Federal State of Saxony. The TUD's 14 faculties cover a wide range of fields in science and engineering, humanities, social sciences and medicine. Dresden, the capital of Saxony, is a Baroque city with 500,000 inhabitants located in the heart of Europe, with a long tradition of contact to the East and the West. It offers excellent cultural and social activities and sports in beautiful surroundings.
Course focus	<p>Pedagogic activities require teaching qualifications under various conditions, at state-maintained institutions and private companies providing vocational training. This postgraduate course provides graduates from developing countries with the opportunity to obtain pedagogic and didactic qualifications.</p> <p>The subjects can be divided into four main groups:</p> <ul style="list-style-type: none"> • The bases of the vocational training – Subjects such as Systematology and History of Vocational Education, Adult Education, Continued Education and Vocational Socialisation and Psychology of Learning and Motivation are included here. Furthermore, the Contemplation of Vocational Education and Further Education in Europe and selected countries elsewhere in the world forms an important part. • Sociological Basis – In this part there are courses which deal with Basic Business and Personnel Management, Sociology and Regional Studies. • Media Design Basis – Didactics of Vocational Education and Continued Education, Computer-Integrated Education/ Media Didactics, Theory and Practice of Communication are subjects in this field. • Special Disciplines – Study in Methodology of Project-Orientated Work, Methodology of Curriculum Development, Academic Work and Research Methods, Basic Law and Organisation of Education and Training. <p>In-depth studies in the Compulsory Optional Section In the compulsory optional section, students are required to choose 3 or 4 of the 5 vocational-training orientated in-depth study areas offered. The chosen topics will be related to the students' future work areas:</p> <ul style="list-style-type: none"> • In-depth study in Occupational Field Theory/Specialist Didactics with a specific vocational orientation enhances the students' teaching skills and competence for vocational schools. The following vocational subject orientations are offered: Civil Engineering, Chemical Engineering, Electrical Engineering, Metal Engineering/Mechanical Engineering, Food Engineering/Domestic Science/Home Economics. In all cases, these vocational subjects require students to hold an appropriate engineering qualification, which means that students are not free to choose their subject at will.

Vocational Education and Personnel Capacity Building

	<ul style="list-style-type: none"> • The subject Personnel Capacity Building: Students get to know basic instruments of personnel work and development and are able to apply them purposefully in fields of Vocational Education. • Designing Communicative Processes: Students are able to design communication processes purposively and focussed on specific target groups. • The Adult Education/Education Management orientation increases the graduates' competence for conceptual and teaching activities in the field of industrial in-firm training and further training in the student's home country. • The Education Technology orientation provides expert knowledge and skills for the development of multimedia and computer-integrated education projects within the vocational education system.
Target group	<p>Specialists responsible for project work aimed at restructuring or developing the vocational education system in the respective home country.</p> <p>Graduates will obtain the required qualifications for employment with authorities, in offices of planning and consultation, in departments of personnel management, education, continued education and retraining in enterprises, in national and international organisations and in vocational, technical and engineering schools.</p>
Course language	German
Entry requirements	<ul style="list-style-type: none"> • A degree in engineering, business studies or education or an equivalent qualification recognised in Germany • 2 years of professional experience • DSH 2 or TestDaF 4
Degree awarded	Master of Arts
Course begins	October 2010
Course duration	24 months, including two practical training courses of 4 weeks each, and the Master's thesis
Duration of German language course prior to beginning of programme	6 months. The course begins in April 2010
Application deadline	31 August 2009 at the German Embassy; 30 September 2009 at DAAD in Bonn; 15 October 2009 at the University

Vocational Education and Personnel Capacity Building

For further information contact Prof. Dr. paed. habil. Hanno Hortsch
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International Master Programme Higher Education Research and Development

Institution Universität Kassel (University of Kassel), International Centre for Higher Education Research Kassel (INCHER-Kassel)

Location Kassel is located in the centre of Germany (about 200,000 inhabitants, about 10 % of them students) with an attractive cultural scene – opera and theatres, concerts, off-theatres and music scene, famous art museums, castles and lovely surroundings (natural parks and forests) ideal for hiking/biking/excursions. All kinds of sports are possible – from cross-country and downhill skiing to rowing or team sports like soccer, basketball, and handball. In addition, Kassel offers excellent road and train connections (3 hours to Berlin, Hamburg or Munich).

Kassel University with its 17,000 students was founded in 1971 as a comprehensive institution of higher education. Kassel University has 11 departments, the art academy Kassel, various research centres, and interdisciplinary research teams. With about 300 professors the University offers study programmes in the fields of humanities and social sciences, technology and natural sciences, as well as music and fine arts.

Course focus The Master Programme, which is offered by the International Centre for Higher Education Research Kassel together with the Department of Social Sciences at Kassel University, is international and interdisciplinary. A direct link to higher education research is guaranteed. It aims to qualify students in two respects:

- a) to become young researchers or doctoral candidates in the field of research on a wide variety of topics and problems in higher education
- b) training for a variety of professions within or close to higher education institutions, management, internationalisation, research planning, evaluation and accreditation, curriculum design, institutional research, etc.

The Programme does not provide training and qualifications for the school teaching professions.

Due to a cooperation agreement, scholarship holders also have the opportunity to take three fully recognised modules in the “University Leadership and Management Training Programme (UNILEAD)” offered by the University of Oldenburg/Germany, which will give them a particular management emphasis and specialisation.

The modules of the Master Programme include theories and methods as well as problem solving in practical situations. The following thematic areas will be covered in the modules:

1. Introduction to Higher Education Research and Development
2. The Higher Education System
3. Knowledge and Society
4. Teaching, Learning and Research
5. Higher Education Management, Organisation and Decision Making
6. Evaluation and Internationalisation
7. Empirical Research Methods

During the first one or one and a half years, students are expected to be present for 13 one-week modules. The course timetable allows students to set

International Master Programme Higher Education Research and Development

their own priorities (after consulting with an academic advisor and in compliance with the Examination Rules and Regulations) and maintain a good balance between course attendance and time for independent preparation and research.

The basis for crediting one module with six credit points is a total student workload of 180 hours:

- 40 hours of preparatory reading
- 40 hours on-site presence for module
- 100 hours for writing a 15-page essay

A practical work placement of 160 hours is obligatory, be it as a member of a research project team or as an assistant in one of the relevant units of University administration and related agencies.

During the last semester of the Programme students are expected to write their Master's thesis and defend it at a colloquium.

The Master's Degree Programme implements a credit system based on the European Credit Transfer System (ECTS). For the degree Master of Arts (M.A.) in Higher Education, a total of 120 credits must be earned:

13 one-week modules, 6 credits each: 78 credits

Practical work placement: 12 credits

Master's thesis including colloquium: 30 credits

Target Group

For many fields in higher education institutions and around the organisation of study programmes, professionals are needed. Therefore it is becoming more and more interesting for students to apply for a master programme in this field and to choose "higher education" as a profession.

The international Master Programme Higher Education Research and Development aims to prepare for professional careers in the middle management of higher education as well as in the field of higher education research and higher education development (e.g., institutional research, career services, international relations, accreditation, evaluation, transfer services, departmental development or decision-making at the central level).

Course language

All modules are taught in English

English and German language courses are offered at various levels for a small fee during the semester.

Entry requirements

- 3-years B.A. degree (or equivalent) (4 years B.A. degree for DAAD Scholarship) in Social Sciences, Education, Law or Economics with an upper second class grade, equivalent to a German "2"
- English language skills (TOEFL 550 paper based, 213 computer based, 80 internet based; IELTS band 6 or equivalent)
- At least 2 years of professional experience (for DAAD scholarship)
- Chinese applicants are asked to attach an APS (Akademische Prüfstelle) certificate which is issued by the German Embassy.

Degree awarded

Master of Arts (M.A.) in Higher Education

International Master Programme Higher Education Research and Development

Course begins

Annually in October

Course duration

The Programme can be completed in one and a half years or in two years
Duration for DAAD students: 22 months

Duration of German language course prior to beginning of Programme

2 months (August and September)

Application deadline

For DAAD scholarship:

31 August at the German Embassy;

30 September at DAAD in Bonn;

15 October at the University for the following year

Self-financing candidates please see: <http://www.uni-kassel.de/incher/mahe>

Remarks

- In addition to the official DAAD application form, candidates are required to submit a particular programme application form which is available at http://www.uni-kassel.de/incher/mahe/Application_form.pdf
- Only complete application documents with application forms, CV, English certificate, original certified/legalised copies of degree certificates, transcript of records and recommendation letters as well as the corresponding translations are accepted.
- Uni-assist/Berlin charges a fee of up to 55 Euro for auditing the application documents.
- Tuition fees are not charged; a semester contribution is required which amounts to about 220 Euro (includes reduced prices for meals and free public transport in the region of Kassel).
- Detailed information about first steps in Kassel in advance of arrival
- An orientation week for new students
- Tutors assist the students during their study, in finding housing and in dealing with health insurance, registration, visas, local administration and use of the library.
- Individual support by the programme administrator
- The coordination office of the Master Programme is of assistance in finding an internship.

For further information contact

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International Centre for Higher Education Research Kassel

INCHER-Kassel

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<http://www.uni-kassel.de/incher/mahe>

Sociology and Education

Peace and Conflict Studies

Institution	Otto-von-Guericke-Universität Magdeburg (Otto-von-Guericke University Magdeburg)
Location	<p>The Otto-von-Guericke University of Magdeburg was founded in 1993 and is one of the youngest universities in Germany. With 9 faculties and more than 10,000 students, it is a vibrant centre of teaching and research.</p> <p>Magdeburg, the state capital of Saxony-Anhalt, has developed into a city of business, science and culture.</p> <p>In more than 60 courses of studies, Magdeburg University offers education in different subjects and fields of specialisation. Favourable study facilities and conditions, such as a well-equipped library, attract students from around the world.</p>
Course focus	<p>This Master's Programme focuses on the acquisition of theoretical and methodological skills from various disciplines; on the transfer of knowledge about different concepts, institutions and instruments of peace building, conflict transformation and human rights policies; and on the development of analytical and practical competences in constructive conflict management. The programme is designed to enable students to closely analyse complex conflicts from different perspectives; evaluate political strategies and ongoing projects in the fields of security, peace building and human rights; and propose alternative methods of conflict resolution. The programme comprises four compulsory modules and four compulsory optional modules.</p> <p>Module 1 – theoretical approaches and methods: key concepts of peace and conflict studies; sociological and psychological approaches to identity, interaction, conflict and violence; theories of international relations; cultural studies and discourse analyses.</p> <p>Module 2 – concepts of peace building and human rights policies: international democratisation, organisation and legalisation; development politics; promotion of civil society.</p> <p>Module 3 – conflict analysis: analysis of international wars, ethnic and religious conflicts, colonial and postcolonial struggles, civil wars and military interventions.</p> <p>Module 4 – applied conflict management: skills of mediation, negotiation and counselling.</p> <p>Module 5 – world society and transformation: processes of economic globalisation; renaissance of national, ethnic and religious movements; experts' networks; minority, migration, diasporas.</p> <p>Module 6 – global governance: international regimes and organisations, international administrations and protectorates, development cooperation, non-governmental organisations.</p> <p>Module 7 – communications and violence: critique of logics of violence; militarisation of language; images of the "other"; violence in movies, music and literature.</p> <p>Module 8 – ethics and peace and human rights education: human rights between particularism and universalism; human rights education and cultural diversity; human rights and the internet.</p>

Sociology and Education

Peace and Conflict Studies

Target group	Young academics and professionals intending to start a career in international and non-governmental organisations, in administrative departments, educational institutions and civil services. Furthermore this programme is designed to train the next generation of peace and conflict scholars.
Course languages	German (mainly) and English
Entry requirements	<ul style="list-style-type: none"> • University degree, at least on a B.A. level • Good command of German (DSH 2 or TestDaF 4, respectively) and English (proficiency equivalent to "Abitur" level) • Students who want to benefit from a DAAD scholarship must have at least two years of relevant professional experience. • Age limit 36 years
Degree awarded	Master of Arts in Friedens- und Konfliktforschung (Master of Arts in Peace and Conflict Studies)
Course begins	October 2010
Course duration	24 months
Duration of German language course prior to beginning of programme	2–6 months, depending on prior language skills of applicant
Application deadline	31 August 2009 at the German Embassy; 30 September 2009 at DAAD in Bonn; 15 October 2009 at the University; 15 July 2010 at the University for self-financing students
Remarks	In addition to the official DAAD application form, candidates are required to submit a particular course application form which is available from the Otto-von-Guericke University of Magdeburg at: www.uni-magdeburg.de/ipw/fkf/index.html
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