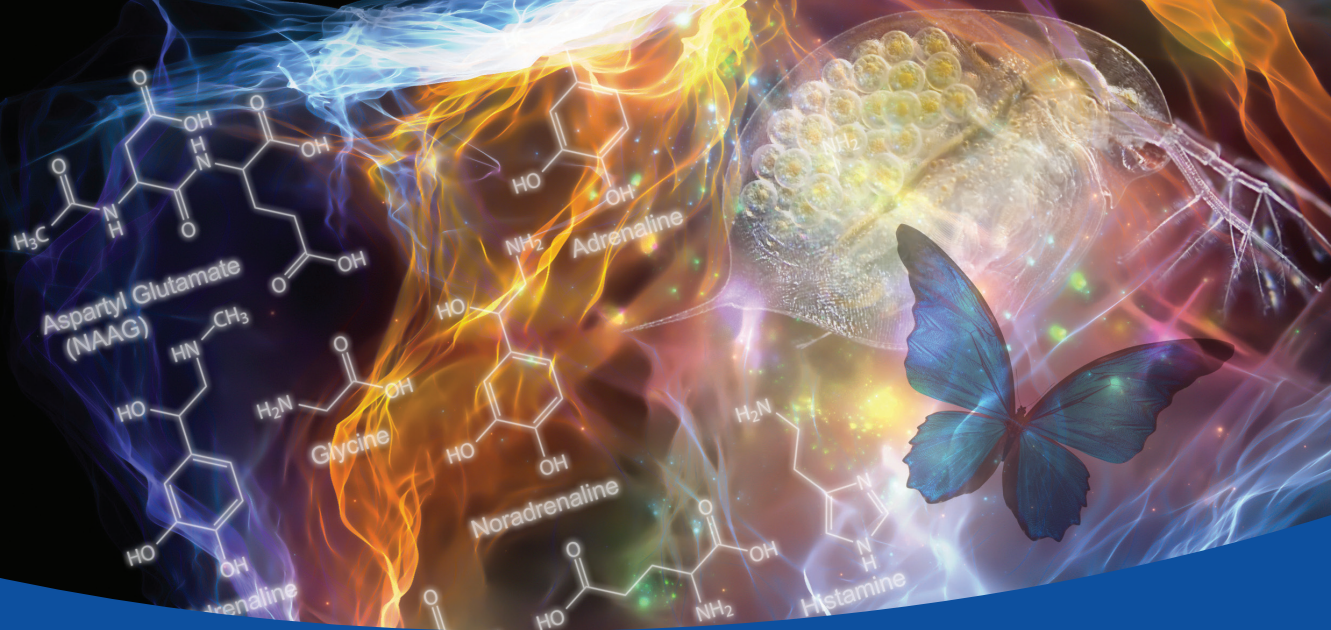


## Graduate Programs

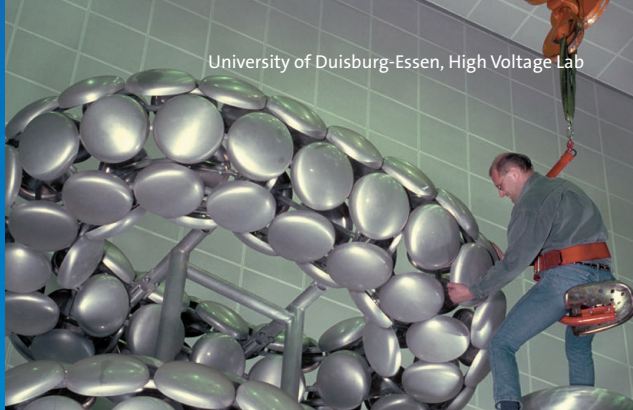
M.A. | M.Sc. | LL.M.







University of Duisburg-Essen, Essen Campus



University of Duisburg-Essen, High Voltage Lab



University of Duisburg-Essen, Library



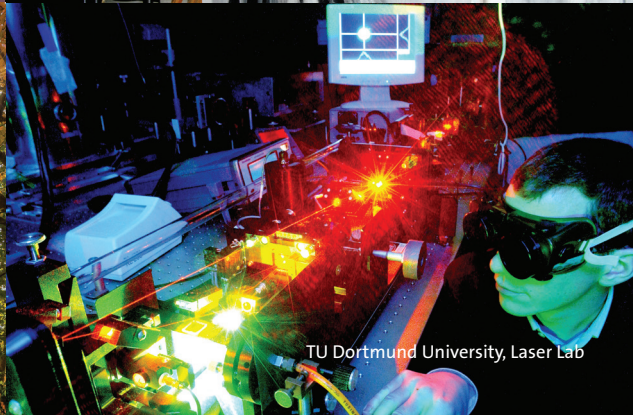
TU Dortmund University, Department of Arts and Material Culture



Ruhr University Bochum, Main Campus



TU Dortmund University, Main Campus



TU Dortmund University, Laser Lab



Ruhr University Bochum, Horsaalzentrum Ost (HZO)



# University Alliance Ruhr:

## Three universities. One community. Endless opportunities.

**Ruhr University Bochum, TU Dortmund University, and the University of Duisburg-Essen** formed the University Alliance Ruhr (UA Ruhr) in 2007. By coming together to pool their expertise and enhance their collective potential, they have opened endless new opportunities. The UA Ruhr universities are located at the heart of Europe, in the metropolitan Ruhr area that offers a unique range of cultural and other leisure activities.

*The UA Ruhr universities cooperate with hundreds of universities and institutions around the world. To support and deepen our international exchange and collaboration, UA Ruhr created academic liaison offices in North America and Eastern Europe/ Central Asia.*

### **Ruhr University Bochum**

- 42,000 students (16% international)
- 3,800 academic staff (incl. professors)
- 2,100 Master's degrees per year
- 500 Doctoral degrees per year
- 1100 international doctoral students and guest researchers
- Operating budget: €658m incl. €170m third-party funding for research projects

### **TU Dortmund University**

- 32,400 students (16% international)
- 2,500 academic staff (incl. professors)
- 1,800 Master's degrees per year
- 240 Doctoral degrees per year
- 500 international doctoral students and guest researchers
- Operating budget: €400m incl. €98m third-party funding for research projects

### **University of Duisburg-Essen**

- 41,000 students (20% international)
- 4,600 academic staff (incl. professors)
- 1,500 Master's degrees per year
- 480 Doctoral degrees per year
- 600 international doctoral students and guest researchers
- Operating budget: €564m incl. €157m third-party funding for research projects

Find out more  
about UA Ruhr on  
[www.uaruhr.de/en/](http://www.uaruhr.de/en/)

# Studying in the heart of Europe.

Tetraeder lookout at IBA Emscherpark, Bottrop



Ruhr University Bochum

RUHR  
UNIVERSITÄT  
BOCHUM

**RUB**

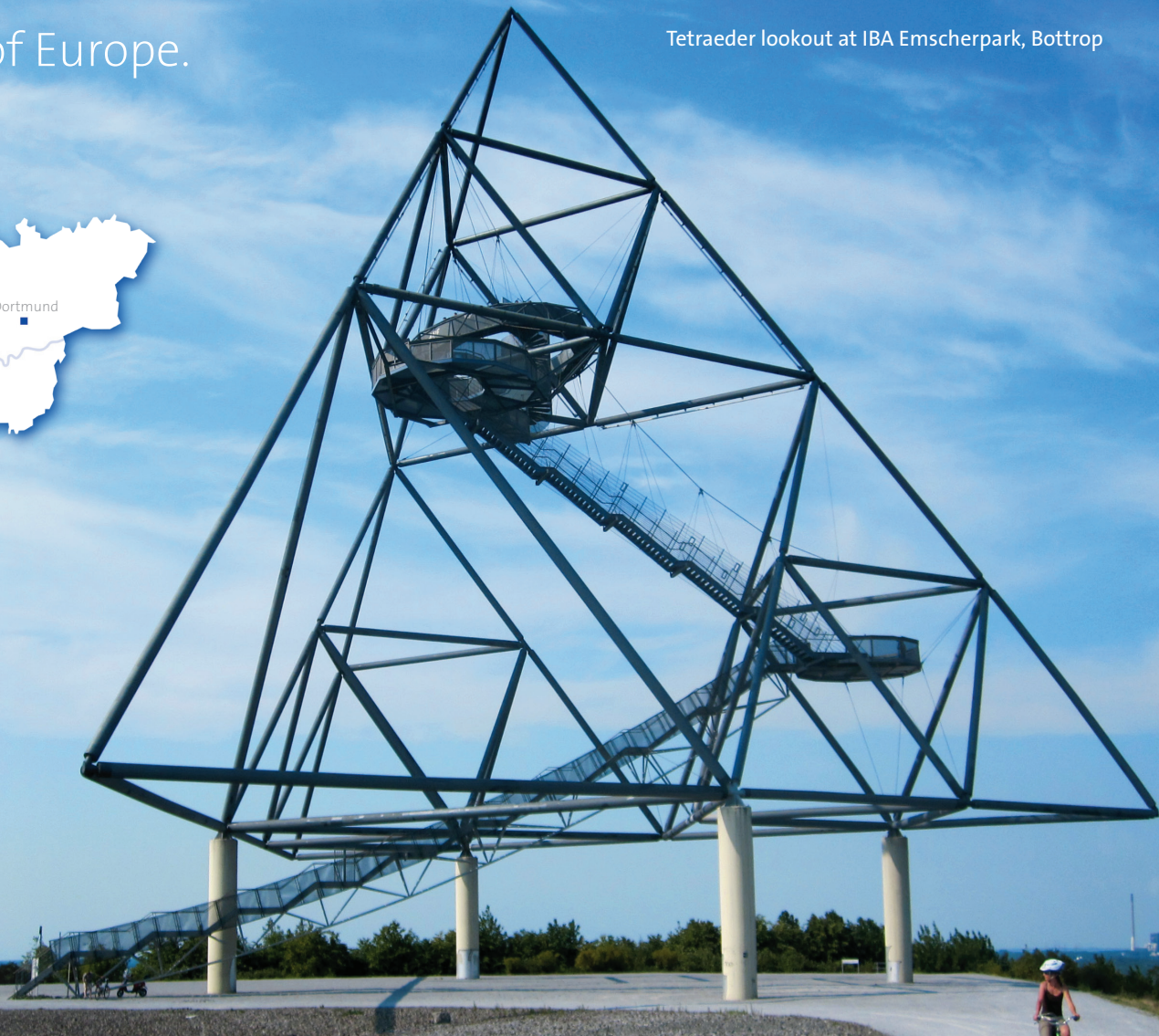
TU Dortmund University

**tu** technische universität  
dortmund

University of Duisburg-Essen

UNIVERSITÄT  
DUISBURG  
ESSEN

*Open-Minded*





# Why study with us?

## **Internationally recognized degrees.**

There are some 180 Master's degree programs, many of them offered in English, in engineering and science, as well as in the social sciences and humanities. Working closely with our internationally renowned faculty, students earn a degree that is highly respected by employers around the world.

## **No tuition.**

The UA Ruhr universities do not charge tuition fees. Students pay a low semester fee that covers, next to other things a semester pass for public transportation throughout the entire state of North Rhine-Westphalia. In addition to scholarship opportunities provided by the German Academic Exchange Service (DAAD), students can apply for grants offered by the universities and foundations.

## **Academic excellence.**

An extensive network of 14 collaborative research centers, graduate schools and research groups creates unique interdisciplinary educational opportunities. In a wide range of disciplines, our programs combine research-led study with a strong focus on practice. Close partnerships between the universities and the industrial and business partners are key to the success of our graduates.

## **Top reputation.**

With many of their departments continuously ranked in the top ten percent, all three UA Ruhr universities are among the leading research universities in Germany. Our scientists accomplish outstanding work in fields such as Materials Science, Metropolitan Research, Cyber Security as well as the new interdisciplinary field of Solvation Science. The strength of our faculty is also manifest in the numerous national and international honors and distinctions that have been bestowed on outstanding representatives of our universities.



Dortmunder U



Villa Hügel, Essen



Bismarck Tower, Bochum



Ruhr valley



Salvator Church and City Hall, Duisburg



Bochum Total Music Festival



Duisburg Nord Landscape Park



Signal Iduna Park, Dortmund



Dortmund Opera Theatre





# Many places to go.

## **Quality of life *on* campus.**

Located in the metropolitan Ruhr region in the western part of Germany, students at UA Ruhr find themselves in a big meeting ground with students and faculty from all over the world. Our campuses in Bochum, Dortmund, Duisburg and Essen feature everything from music events and theater performances to art collections and botanical gardens. All universities offer extensive sports programs ranging from soccer, the most popular sport in Germany, to water sports and climbing.

## **Quality of life *off* campus.**

The 35-mile stretch between Duisburg and Dortmund boasts an unparalleled landscape: The Ruhr area has not only successfully transitioned from heavy industries to science and research, it has also developed into a unique cultural landscape. International events such as the RuhrTriennale, the Ruhr Piano Festival and the Ruhr Theater Festival feature international as well as regional art and artists — mainstream, classic and experimental. Almost everything can be found in the region's 300-plus museums, venues, parks and theaters.

## **Excellent infrastructure.**

The Ruhr region has one of the world's most extensive public transportation networks with more than 900 commuter train, subway, light-rail, and bus lines, serving more than 100,000 stops. International long-distance and high-speed trains connect the Ruhr region with other German and European metropolitan areas. Düsseldorf International Airport serves as a hub to all major destinations, both continental and intercontinental.



Inner Harbor, Duisburg





# Application and admission.

To enroll in a Master's degree program, an undergraduate degree (typically a Bachelor's degree; at least B minus) is required. Moreover, **applicants need proof of proficiency in German or, for the programs taught in English, proof of proficiency in English.**

The Master's degree programs usually have a duration of 2 years (4 semesters, very few programs are 2-3 semesters long). The language of instruction is German or English (see list on the following pages).

Semesters start in October and April; most programs start in October. Applications must be submitted to the UA Ruhr university you want to enroll in. Procedures and prerequisites for enrollment may vary.

**Application deadlines** for:

- the **Summer semester** (April-September) is **January 15**
- the **Winter semester** (October-March) is **July 15**

**For Master's programs in English, the application deadlines are different. Please contact the individual admissions office for further information.**

# Contact us.

Prospective students will find details of application requirements and deadlines, housing and other important information on the website of the respective international office:

**Ruhr University Bochum**

[www.international.rub.de/en](http://www.international.rub.de/en)

Mail: [international@rub.de](mailto:international@rub.de)

**TU Dortmund University**

[www.international.tu-dortmund.de/en](http://www.international.tu-dortmund.de/en)

Mail: [welcome@tu-dortmund.de](mailto:welcome@tu-dortmund.de)

**University of Duisburg-Essen**

[www.uni-due.de/international](http://www.uni-due.de/international)

Mail: [duisburg-io@uni-due.de](mailto:duisburg-io@uni-due.de)

Additional information about the UA Ruhr Liaison Offices is available online:

[www.uaruhr.de/en/international/](http://www.uaruhr.de/en/international/)



Our Master's  
programs.

Halde Hoheward near Recklinghausen



## Alphabetical order within the disciplines

COURSE	DEGREE	LANGUAGES	RUB UNIVERSITÄT BOCHUM	RUB	tu technische universität dortmund	UNIVERSITÄT DUISBURG ESSEN <i>Open-Minded</i>
DISCIPLINE <b>ENGINEERING, INFORMATICS AND ARCHITECTURE</b>						
Applied Computer Science	M. Sc.	GER	●	■	◆	
Applied Communication and Media Studies	M.Sc.	GER			◆	
Applied IT Security	M.Sc.	ENG & GER	●			
Architecture and Urban Design	M.Sc.	GER		■		
Automation and Robotics	M.Sc.	ENG		■		
Automation and Safety	M.Sc.	ENG & GER			◆	
Automotive Engineering and Management	M.Sc.	GER			◆	
Biochemical Engineering	M.Sc.	GER		■		
Chemical Engineering	M.Sc.	GER		■		
Chemical Engineering - Process Systems Engineering	M.Sc.	ENG		■		
Civil Engineering	M. Sc.	GER	●	■	◆	
Communications Engineering, ISE	M.Sc.	GER			◆	
Computational Engineering	M. Sc.	ENG	●			
Computational Mechanics, ISE	M.Sc.	ENG & GER			◆	
Computer Engineering, ISE	M.Sc.	ENG & GER			◆	
Computer Science	M.Sc.	GER		■		
Cyber Physical Systems	M.Sc.	GER			◆	
Data Science	M.Sc.	ENG		■		
Electrical and Information Engineering	M.Sc.	GER	●			
Electrical Engineering and Information Technology	M.Sc.	GER		■		
Electrotechnology and Information Technology	M.Sc.	GER			◆	
Embedded Systems Engineering, ISE	M.Sc.	ENG & GER			◆	
Environmental Engineering	M. Sc.	GER	●			
Industrial Engineering	M.Sc.	GER		■	◆	
IT Security / Information Engineering	M.Sc.	GER	●			
IT Security / Networks and Systems	M.Sc.	GER	●			
Lasers and Photonics	M. Sc.	ENG	●			
Logistics	M.Sc.	GER		■		
Management and Technology of Water and Waste Water, ISE	M.Sc.	ENG & GER			◆	
Manufacturing Technology	M.Sc.	ENG		■		
Materials Science and Simulation (ICAMS)	M. Sc.	ENG	●			
Mechanical Engineering	M.Sc.	GER	●	■	◆	
Mechanical Engineering, ISE	M.Sc.	ENG & GER			◆	
Metallurgy and Metal Forming, ISE	M.Sc.	ENG & GER			◆	
Nano Engineering	M.Sc.	GER			◆	
Power Engineering ISE	M.Sc.	ENG & GER			◆	
Real Estate and Construction Management	M.Sc.	GER		■		



## Alphabetical order within the disciplines

COURSE	DEGREE	LANGUAGES	<div> <div>RUHR UNIVERSITÄT BOCHUM</div> <div>RUB</div> </div>	<div> <div>tu</div> <div>technische universität dortmund</div> </div>	<div> <div>UNIVERSITÄT DUISBURG ESSEN</div> <div>Open-Minded</div> </div>
Sales Engineering and Product Management	M.Sc.	GER	●		
Software and Network Engineering	M.Sc.	GER			◆
Spatial Planning	M.Sc.	ENG & GER		■	
SPRING - Regional Development Planning and Management * ‡	M.Sc.	ENG		■	
Sustainable Energy Systems	M.Sc.	ENG		■	
Sustainable Urban Technology	M.Sc.	ENG			◆
Technical Logistics	M.Sc.	GER			◆
Technical Medicine	M.Sc.	GER			◆
DISCIPLINE <b>NATURAL SCIENCES, MATHEMATICS AND MEDICINE</b>					
Advanced Methods in Particle Physics (IMAPP) **	M.Sc.	ENG		■	
Aquatic Biology	M.Sc.	GER			◆
Biochemistry	M.Sc.	ENG	●		
Biodiversity	M.Sc.	ENG & GER	●		◆
Business Mathematics	M.Sc.	GER		■	
Chemical Biology	M.Sc.	ENG & GER		■	
Chemistry	M.Sc.	ENG	●	■	◆
Cognitive Science	M.Sc.	ENG	●		
Econometrics	M.Sc.	GER			◆
Energy Science	M.Sc.	GER			◆
Environmental Toxicology	M.Sc.	ENG			◆
Geography	M.Sc.	GER	●		
Geosciences	M.Sc.	ENG	●		
Industrial Mathematics	M.Sc.	ENG		■	
Mathematics	M.Sc.	GER	●	■	◆
Medical Biology	M.Sc.	GER			◆
Medical Physics	M.Sc.	GER	●	■	
Medicine	State Exam	GER	●		◆
Molecular and Developmental Stem Cell Biology (ISTEM)	M.Sc.	ENG	●		
Molecular biology	M.Sc.	GER			◆
Molecular Science Spectroscopy and Simulation (IMOS)	M.Sc.	ENG	●		
Physics	M.Sc.	ENG	●		
Physics	M.Sc.	GER		■	◆
Psychology and Cognitive Neuroscience	M.Sc.	ENG & GER	●		
Psychology - Clinical Psychology and Psychotherapy	M.Sc.	GER	●		
Psychology - focus on clinical psychology and psychotherapy	M.Sc.	GER			◆
Psychology - focus on Labour health and education	M.Sc.	GER			◆
Psychology - Work, Organizational and Business Psychology	M.Sc.	GER	●		

Our  
Master's  
programs.

## Alphabetical order within the disciplines

COURSE	DEGREE	LANGUAGES	<div> <div>RUHR UNIVERSITÄT BOCHUM</div> <div>RUB</div> </div>	<div> <div>tu</div> <div>technische universität dortmund</div> </div>	<div> <div>UNIVERSITÄT DUISBURG ESSEN</div> <div>Open-Minded</div> </div>
Redesigning the Post-Industrial City (RePiC)*	M.Sc.	ENG	●		
Sport and Exercise Sciences for Health and Performance	M.Sc.	ENG	●		
Statistics	M.Sc.	GER		■	
Technomathematics	M.Sc.	GER		■	◆
Water Science	M.Sc.	ENG			◆
DISCIPLINE <b>ECONOMICS, MANAGEMENT AND LAW</b>					
Accounting and Auditing ‡	M.Sc.	GER	●		
Art Studies and Transculturality (2-subject MA)	M.A.	GER			◆
Business Administration	M.Sc.	GER			◆
Business Administration and Economics	M.Sc.	GER		■	
Business Administration - Energy and Finance	M.Sc.	GER			◆
Econometrics	M.Sc.	ENG	●	■	◆
Economic Policy Consulting	M.Sc.	ENG & GER	●		
Economics	M.A.	GER			◆
Economics and Taxation Law ‡	LL.M.	GER	●		
Finance, Accounting, Auditing, Controlling & Taxation	M.Sc.	GER	●		
German as a second and foreign language	M.A.	GER			◆
Health Care Management	M.Sc.	GER			◆
Health Economics	M.Sc.	GER			◆
History Practice Intercultural (2-subject MA)	M.A.	GER			◆
Information Systems	M.Sc.	GER			◆
International Political Economy of East Asia	M.A.	ENG & GER	●		
Labour-Organisation-Society	M.A.	GER			◆
Management & Consulting in Sports	M.Sc.	GER	●		
Management and Economics	M.Sc.	ENG & GER	●		
Märkte und Unternehmen (Markets and Enterprises)	M.Sc.	GER			◆
Migration and globalisation	M.A.	GER			◆
National and European Economic Law	M.A.	GER & FRENCH	●		
Organizational Management ‡	M.A.	ENG & GER	●		
Sales Management	M.Sc.	GER	●		
Sociology (one-year)	M.A.	GER			◆
DISCIPLINE <b>HUMAN AND SOCIAL SCIENCES</b>					
Ageing Societies	M.A.	GER		■	
Anglophone Studies	M.A.	ENG & GER			◆
Applied Linguistics	M.A.	ENG & GER		■	
Applied Literary and Cultural Studies	M.A.	ENG & GER		■	

‡ Tuition \* Tuition, Multiple European Degree Program



## Alphabetical order within the disciplines

COURSE	DEGREE	LANGUAGES	RUB BOCHUM	RUB	tu dortmund	UNIVERSITÄT DUISBURG ESSEN <i>Open-Minded</i>
Art History	M.A.	GER	●			
Catholic Theology	M.A.	GER	●			
Christian Studies	M.A.	GER				◆
Classical Archaeology	M.A.	GER	●			
Classical Philology (Latin, Greek)	M.A.	GER	●			
Communication Studies	M.A.	GER				◆
Contemporary East Asian Studies	M.A.	ENG				◆
Cultural Analysis and Cultural Intermediation	M.A.	GER			■	
Cultural Management	M.A.	GER				◆
Criminology, Criminalistics and Police Science †	Master	GER	●			
Development and Governance	M.A.	ENG				◆
Development Management	M.A.	ENG	●			
Dutch: Language and Culture	M.A.	GER & DUTCH				◆
East Asian Studies	M.A.	ENG & GER	●			
Economics and Journalism	M.A.	ENG & GER			■	
Economic and Raw Material Archaeology	M.A.	GER	●			
Empirical Multilingualism Research	M.A.	ENG & GER	●		■	
English and American Studies	M.A.	ENG	●			
Ethics - Economic, Law and Politics (EELP)	M.A.	ENG	●			
European Culture and Economy (ECUE)	M.A.	ENG & GER	●			
Film and Audiovisual Media	M.A.	ENG & GER	●			
French Language and Culture	M.A.	GER & FRENCH				◆
Gender Studies - Culture, Communication, Society	M.A.	ENG & GER	●			
General and Comparative Literature	M.A.	GER	●			
German Studies	M.A.	GER	●			◆
History	M.A.	GER	●			◆
History and Theory of Art and Design	M.A.	GER				◆
History of Modern and Present Art	M.A.	GER	●			
History, Philosophy and Culture of Science (HPS+)	M.A.	ENG & GER	●			
International Humanitarian Action (NOHA) †	M.A.	ENG	●			
International Relations and Development Policy	M.A.	GER				◆
Japanese Studies	M.A.	GER	●			
Journalism	M.A.	GER			■	
Korean Studies	M.A.	GER	●			
Languages and Cultures of East Asia	M.A.	ENG & GER	●			
Linguistic Data Science	M.A.	ENG	●			

Our  
Master's  
programs.

## Alphabetical order within the disciplines

COURSE	DEGREE	LANGUAGES	RUB RUHR UNIVERSITÄT BOCHUM	RUB	tu technische universität dortmund	UNIVERSITÄT DUISBURG ESSEN <i>Open-Minded</i>
Literature and Practical Media Studies	M.A.	GER				◆
Media Studies	M.A.	GER	●			
Medieval and Renaissance Studies (MARS)	M.A.	GER	●			
Modern East Asia Studies	M.A.	ENG				◆
Music Journalism	M.A.	GER			■	
Oriental and Islamic Studies	M.A.	GER	●			
Philosophy	M.A.	GER	●			◆
Philosophy and Political Science (MAPP)	M.A.	GER			■	
Political Management, Public Policy and Public Administration	M.A.	GER				◆
Prehistory and Ancient History	M.A.	GER	●			
Protestant Theology	M.A.	GER	●			
Public History	M.A.	GER	●			
Religion, Ethics, and Politics (MAREPOL)	M.A.	ENG			■	
Religious Studies	M.A.	ENG	●			
Romance Studies (Spanish or French or Italian)	M.A.	GER/SP./FR./IT.	●			
Russian Culture	M.A.	GER & RUS	●			
Science Journalism	M.A.	GER			■	
Scenic Research	M.A.	GER	●			
Sinology	M.A.	GER	●			
Slavonic Studies	M.A.	GER	●			
Social Sciences	M.A.	GER	●			
Socio-Economics	M.A.	GER				◆
Sociology	M.A.	GER			■	◆
Spanish Language and Culture	M.A.	GER & SPANISH				◆
Theatre Studies	M.A.	GER	●			
Theorie des Sozialen	M.A.	GER				◆
Theory and Comparison of Changing Political Systems	M.A.	GER				◆
Urban Culture, Society and Space	M.A.	GER				◆
DISCIPLINE EDUCATIONAL SCIENCES AND PEDAGOGICS						
Adult education/continuing education	M.A.	GER				◆
Educational Sciences	M.A.	GER			■	
Education Science	M.A.	GER	●			
Social Work	M.A.	GER				◆
Rehabilitation Sciences	M.Sc.	GER			■	



**University Alliance Ruhr**

Ruhr University Bochum

TU Dortmund University

University of Duisburg-Essen

UA Ruhr Liaison Offices in

**North America:**

[info@uaruhr.org](mailto:info@uaruhr.org)

**Eastern Europe/Central Asia:**

[info.eeca@uaruhr.de](mailto:info.eeca@uaruhr.de)

