UAS7
German Universities of Applied Sciences

Graduate Opportunities at German Universities of Applied Sciences

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UAS7
German Universities of Applied Sciences

About UAS7

UAS7 is a strategic alliance of seven leading German Universities of Applied Sciences (UAS), with offices in **Germany**, **North America** and **South America**.

UAS7 universities excel in **applied teaching** and **research**, with a strong international focus. We offer Masters degrees and doctoral programs.

Hochschule für Wirtschaft und Recht Berlin
Berlin School of Economics and Law

HSB

HAW HAMBURG

Technology Arts Sciences TH Köln

HM Hochschule München University of Applied Sciences

FH MÜNSTER University of Applied Sciences

HOCHSCHULE OSNABRÜCK
UNIVERSITY OF APPLIED SCIENCES

UAS7
German Universities of Applied Sciences

Cologne

Munich

Münster

Osnabrück

German Universities of Applied Sciences

Berlin

Bremen

Hamburg

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Why Choose a University of Applied Sciences?

Student-Focused

- Low student-faculty ratios
- Hands-on teaching: Lab work, projects, simulations, field trips, ...
- Excellent transition into the labor market

International

- Regionally rooted and internationally connected institutions
- International study and internship opportunities

Industry-Oriented

- Professors have business or industry experience
- Applied and trans-formative research (with companies)
- Dual study opportunities

Applied/ Transformative Research

- Internships or practical semesters
- Interdisciplinary approaches
- Entrepreneurship focus

Major UAS Strengths

- Hands-on teaching, small groups, practice-oriented curricula and dual study programs (similar to co-ops)
- Faculty with professional experience
- Transformative research, often in conjunction with local, regional and international business, social and other networks
- Focus on interdisciplinarity and inclusivity

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UAS7 Key Areas

Key Areas: engineering – business – computer sciences – life sciences - health sciences – nursing – agriculture – social work - gaming and design – nutritional sciences – tourism - public management and leadership - ...

Masters Programs

German and English-taught **undergraduate** and **graduate degree** programs in diverse fields of study.

PhD and Research

Cooperative PhD projects and applied research in all subject areas.

English-Language Opportunities

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- More than **550 courses** in English language for study abroad
- More than **30 English-language internships**
- More than **60 graduate degree programs** in English language and **7 undergrad degree** programs for dual degree options
- German language courses

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Applied research with real-world impact

ENERGY TRANSITION

HAW Hamburg

North German Living Lab

Green hydrogen, industrial decarbonization and heat systems

50+ partners; approx. €300m planned consortium investment

AI & AGRICULTURE

Hochschule Osnabrück

AI Living Lab for Agriculture

Robotics, digital twins and intelligent agricultural machinery

Five-year project launched 2025; €18.9m funding, including €3.3m for HS Osnabrück

HYDROPOWER

HM München

ReHydro

Modernizing hydropower with digital tools and fish-friendly technologies

Horizon Europe; 2024–2028

HYDROGEN

TH Köln

H2MikroPlas

Turning biomethane into hydrogen and solid carbon using plasma

2025–2028; aiming for CO_2-negative hydrogen production

CIRCULAR ECONOMY

HS Bremen +
HAW Hamburg

Smart Recycling Up

Developed AI and robotics for automated sorting of bulky waste

Completed project with DFKI and waste-management companies

Selected examples. Consortium figures unless the university share is specified.

Entrepreneurshi

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Startup Incubator Berlin	Strascheg Center for Entrepreneurship	Freiraum@HSB	Gateway	TAFH
Berlin School of Economics and Law	Munich University of Applied Sciences	Bremen City University of Applied Sciences	TH Köln University of Applied Sciences	FH Münster University of Applied Sciences

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English UAS7 Masters Programs

UAS7 offers over 60 English-language Masters programs:

Program examples from our universities:

Berlin School of Economics and Law
Business Intelligence and Process Management (M.Sc.)

Bremen City University of Applied Sciences
European Studies: Law - Politics - Economics (M.A./LL.M.)

Hamburg University of Applied Sciences
Pharmaceutical Biotechnology (M.Sc.)

TH Köln - University of Applied Sciences
Renewable Energy Management (M.Sc.)

FH Münster University of Applied Sciences
Chemical Engineering (M.Sc.)

HM Hochschule München University of Applied Sciences
Micro- and Nanotechnology (M.Sc.)

Osnabrück University of Applied Sciences
Industrial Engineering and Management (MBA)

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Spotlight: Programs and Projetcs

Innovative Projects:

Customized, sustainable orthoses from the 3D printer (developed by the biomechatronics laboratory at FH Münster University of Applied Sciences)

Adaptation to Regional Labor Markets:

Programs at Hochschule Bremen (HSB) – City University of Applied Sciences:

- Aeronautical Management (M.Eng.)
- Engineering and Management of Space Systems M. Sc. (M.Eng.)
- Naval Architecture and Ocean Engineering (M.Eng.)

Interdisciplinary Programs:

Entrepreneurship and Digital Transformation
(M.A., HM Hochschule München University of Applied Sciences)

Digital Narratives
(M.A., TH Köln - University of Applied Sciences)

Labour Policies and Globalisation
(M.A., Berlin School of Economics and Law)

Materials Science and Engineering
(M.Sc., FH Münster University of Applied Sciences)

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UAS7 PhD Programs

How it works:

PhD is mostly awarded together with a partner organization (depends on state)

- Research conducted at a UAS7 university and industry or lab partner
- Joint supervision by UAS professor, industry partners and university professor
- Tried and tested method

Advantages:

Applied, real-world research with industry and society impact:

- Strong industry collaboration and innovation focus
- Ideal for students seeking practice-oriented research
- Opportunity to build a career network in academia **and** industry
- Close supervision, small groups

Typical PhD fields:

Engineering & Applied Sciences
Mechanical, Electrical, Renewable Energy, Materials, ...

Computer Science & Digital Tech
AI, Data Science, Cyber Security, Software, ...

Business & Economics
Innovation, Entrepreneurship, Sustainability, Management, ...

Social Sciences & Public Policy
Governance, Social Innovation, PA, ...

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UAS7 PhD Information: Tools

UAS Research Map:
https://www.forschungslandkarte.de/en/research-map-for-applied-sciences/map-search/

Careers in Germany | The Long View

The German Academic Higher Education Landscape

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Many Opportunities Ahead

Professorships in Germany

- In total: **51,161 professorships***
- Of these **43.5%** are at UAS
- New annual professorship openings until 2035: more than 800 per year

* Statista 2023

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About German Professorships

What is Special About UAS?

- Academic excellence with professional focus
  We have great students and colleagues
- Focus on transformative research
  We do interesting research
- Tight networks within regional, national, and international business contexts
  We make a difference in our communities
- Innovation motors for large multinationals, SMEs, and start-ups
  We drive change

What Are the Benefits of UAS?

- Freedom of research and teaching, high degree of autonomy
- High levels of engagement with local, regional and national ecosystems
- Opportunity to teach very well prepared, highly motivated students
- High degree of flexibility for work-life balance
- Lifetime civil service status* - provides a safe framework for life and family planning: Similar to tenure (and in many ways better than) in the US

* regulations differ by state

Professorship Prerequisites

Qualifications for Academic/ Artistic Work

- Doctoral degree/ dissertation
- Publications
- Special artistic achievements
- Equivalent qualifications

Professional Experience/ Experience Outside of University Setting

- Professional experience 3-5 years
- e.g. private sector, industry, consultancy, freelance, research-centers outside of university context etc.
- Alternatively: Additional scientific accomplishment

Teaching Experience

- Teaching experience very important; TA or higher
- (be comfortable with highly interdisciplinary teaching)

Notes: The German federal states regulate the formal prerequisites and requirements for professorships, and thus may vary. A "habilitation" (like work to acquire tenure) is not required, but professional experience in a field relevant to your intended professorship is.

How to Find Job Openings

Finding the Right Professorship for You

- **Academics.com | Academics.de**
  Career portal for academics in sciences, research and teaching as well as public affairs, and society (filter for UAS/FH/HAW)

- **Research Map of Universities of Applied Sciences**
  Research matching and mapping

- **Hochschul-Job.de**

- **Career websites of individual UAS**

- **UAS7 Open Professorship Newsletter** - email Patrizia (nobbe@uas7.org)

- **HAW-Professur.de**
  Career portal for UAS professorships

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Time for your questions!

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