DAAD

Deutscher Akademischer Austauschdienst
German Academic Exchange Service

INTERNATIONAL PROGRAMMES

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Master's degree

Applied Data Science and Analytics (MSc)

SRH Universities • Heidelberg

Overview

Degree	Master of Science
Teaching language	• English
Languages	Courses are held in English.
Programme duration	4 semesters
Beginning	Winter and summer semester
Additional information on beginning, duration and mode of study	**Beginning:** 1 October and 1 April **Mode of study:**We believe that sustainable learning is only possible if there is enough space for experimentation, games and critical thinking. That is why we have completely restructured the classical course of studies. Read more about our CORE Principle.
Application deadline	There are **no application deadlines,** so you can apply at any time until all of the places in the programme have been filled.
Tuition fees per semester in EUR	6,450 EUR
Additional information on tuition fees	Applicants from EEA countries: 790 EUR per month + one-time registration fee of 750 EUR Applicants from non-EEA countries without a permanent residence permit: 6,450 EUR per semester + one-time registration fee of 1,000 EUR
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	The Applied Data Science and Analytics Master's programme offers a perfect mixture of the courses critical for qualifying as a business application data scientist. The programme not only focuses on

technical and statistical courses that concentrate on big data architectures, data and text mining algorithms, neural networks and predictive analytics, but also on familiarising students with creative questioning techniques, visualisation, data storytelling, ethics, and international law. In order to give students the opportunity to acquire practical experience on the topics studied in the courses, the theoretical knowledge gained from the different courses is applied and enhanced in a series of three case studies that are spread across three semesters with increasing level of complexity. In the fourth semester, each student will work on the Master's thesis, ideally on a topic pertaining to the industry.

Course Details

Course organisation	Structurally, the study programme adopts the theme-centred five-week blocks that are common at SRH University Heidelberg. It comprises a mix of case studies that become larger and more complex with each semester, and it is accompanied by classroom modules, the content of which is directly linked to the case studies. In the first semester, students are taught all the required basic knowledge and methods. The second and third semesters are self-contained units. Every semester, a case study accompanies the technical courses to put the acquired theoretical knowledge in practical context. Repeatedly conducting complex case studies, including the Master's project, helps the students to understand the interaction between different phases in big data projects and to acquire the required competencies.
A Diploma supplement will be issued	Yes
International elements	- International guest lecturers - Training in intercultural skills - Projects with partners in Germany and abroad - International comparisons and thematic reference to the international context - Content-related regional focus
Integrated internships	In the third semester, students can complete a mandatory internship at a company or research institution, or they can work on case studies with different companies. The mandatory internship can be continued during the Master's thesis in the fourth semester.
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	6,450 EUR
Additional information on tuition fees	Applicants from EEA countries: 790 EUR per month + one-time registration fee of 750 EUR Applicants from non-EEA countries without a permanent residence permit: 6,450 EUR per semester

	+ one-time registration fee of 1,000 EUR
Semester contribution	None
Costs of living	Approx. 950–1,000 EUR per month for personal expenses
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	There is a special scholarship available. The "Deutschlandstipendium" is a special scholarship programme supported by the German government and private companies. Find other scholarships that are relevant to your application here.

Requirements / Registration

Academic admission requirements	A first professional qualification university degree in computer science, data science, information technology, artificial intelligence, data analysis, mathematics or business informatics with 180 CPs
Language requirements	English language proficiency IELTS 6.5 / TOEFL 80 / Duolingo Certificate 120 / PTE Academics 58 or a comparable test We may also personally interview applicants in order to test their English skills. If applicants have studied completely in English in their previous studies, we may waive the required test.
Application deadline	There are **no application deadlines,** so you can apply at any time until all of the places in the programme have been filled.
Submit application to	Online application only

Services

Possibility of finding part-time employment	Working as a non-EU citizen: In possession of a valid German residence permit for study purposes, you are allowed to work for up to 120 full days (full day = eight hours per day) or 240 half days (half day = four hours) during the calendar year. However, freelance work is not permitted. Internships that are mandatory for the successful completion of your studies at SRH do not count towards the above-named 120 full days. Employment that is considered "student part-time work" ("studentische Nebentätigkeit", e.g. employment as a student worker at a university or in a university-related organisation or "Werkstudent" activities at companies that are related to your studies) can be done without any time restrictions.
Accommodation	On-campus housing is available. Please contact SRH Campus Apartments for information.

Career advisory service	We offer individual career counselling services in our Career Development Centre. Here you will find courses on how to prepare for job applications and interviews, covering techniques such as body language and voice training, as well as continued education offerings such as our business skills certificate. In addition, you can access job listings on the university website.
Support for international students and doctoral candidates	- Welcome event - Accompanying programme - Buddy programme - Tutors - Specialist counselling - Visa matters
General services and support for international students and doctoral candidates	International Cultural Club, workshops, free language courses, social and networking events
Supervisor-student ratio	1:20

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Surbhi Agrawal
Applied Data Science and Analytics, MSc

The university provides an opportunity to interact with industry experts and guest faculty as well as the chance to perform projects with partners in Germany. It also offers an ideal study environment both professionally and educationally. I know I have made the right decision at SRH, and it will significantly boost my future employment opportunities. It's been an amazing experience so far, one that is invaluable to me. I can proudly say that it's one of the best investments I have ever made.

SRH in Heidelberg – a tour of our campus

Tour our lovely campus in the heart of Heidelberg virtually.

» more: https://www.youtube.com/watch?v=xgLa-BZ-cU0

SRH Universities

The SRH Universities
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We are the SRH Universities, part of the non-profit SRH Holding based in Heidelberg.

We offer state-accredited Bachelor's, Master's, and MBA programmes in English and German. Our curricula are built around the CORE Principle, emphasising hands-on, project-based learning in five-week blocks. Our programmes focus on management and logistics, engineering and architecture, computer and data science, hospitality and therapy, design and creative industries, and music and film.

With nine campuses across Germany, we host a diverse student body from over 100 countries, contributing to our vibrant international atmosphere.

Our approach includes practical work experiences and professional networking opportunities, preparing students for successful global careers.

📍 University location

Berlin, Germany's capital, is a hub for politics, media, science, and education. It's the country's largest city and offers a vibrant cultural scene with rich nightlife and historical sites. Berlin's dynamic start-up scene is attractive to tech and creative industries. Despite rising costs, it remains affordable compared to other Western European capitals.

Cologne is known for its relaxed culture, famous cathedral, and rich Roman history. It offers a vibrant academic and cultural scene with excellent job opportunities in media and other industries. Cologne is well-connected, making it easy to explore nearby cities.

Dresden combines a vibrant cultural scene with affordable living costs. Known for historical sights like the Zwinger and Semperoper, it offers good job prospects in microelectronics and IT. Its scenic location and rich cultural events make it an attractive city for students and young professionals.

Hamburg, Germany's second-largest city, is a major trade and logistics hub in north-western Europe. With a high standard of living and moderate costs, it offers career opportunities in IT, media, logistics, and renewable energy sectors. Famous for its harbour and nightlife, Hamburg is a city rich in water-related and cultural activities.

Hamm combines historical charm with modern innovation. It offers low living costs and affordable housing suitable for students. Home to Germany's first Bachelor's degree programme in logistics at the SRH Hamm campus, the city provides a close-knit community feel and is growing in industries like energy and logistics.

Heidelberg is known for its romantic ambiance and vibrant cultural and academic atmosphere. The city offers a picturesque landscape ideal for outdoor activities, with strong sectors in biotechnology, pharmaceuticals, and academia.

Leipzig is an economic hub with a growing population, offering career opportunities in technology, digitalisation, and life sciences. It has a vibrant music and cultural scene and remains one of Germany's more affordable major cities.

Münster is a bike-friendly university town known for its museums, theatres, and lively student community. It offers reasonable living costs and robust job opportunities in education, healthcare, and administration.

Stuttgart is a centre for technology and innovation, home to companies like Mercedes Benz and Porsche. It offers excellent educational and career prospects in engineering and sustainable technologies, supported by a vibrant cultural scene.

Contact

SRH Universities
Admission Office

Study Advisor

Ludwig-Guttmann-Straße 6
69123 Heidelberg

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Course website: https://www.srh-hochschule-heidelberg.de/landingpage/kampagnen-seiten/daad-portal/study-applied-data-science-and-analytics-in-heidelberg/?utm_source=wkz-HD5012AI05

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International Programmes in Germany - Database

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