

Study Applied Data Science and Analytics in Hamburg now!

YOUR COURSE CONTENT

What you will learn

In the Master's programme Data Analytics, you will gain in-depth knowledge and an understanding of the complete data science process. You will learn how to apply mathematical, statistical, analytical, and machine learning/deep learning techniques to gain insights from large and often unstructured datasets.

The data visualization and storytelling part of this programme will enable leveraging the data to reveal valuable insights to the stakeholders for decision making. You will also learn with us in a practice-oriented manner: you will work together with real customers in project-related modules. In addition, you will complete a three-month mandatory internship at a company of your choice, and additionally you can write your master thesis in cooperation with a company. This gives you almost a year of professional experience during your studies.

YOUR CAREER PROSPECTS

Our innovative approach that pays off

Having a Master of Science degree in “Applied Data Science and Analytics” and qualification in all layers of data science will give you the best chance across all sectors, including the manufacturing industry, banks, insurance companies, the IT sector, consulting, public or industrial research institutes, the public health sector as well as colleges and universities. Graduates from previous years now work for ABB, Heidelberg Cement, Airbus, Accenture, Adidas, Audi, Bosch, BMW, BASF, Deloitte, Deutsche Börse, DKFZ, PWC, SAP, and Verivox, as well as for successful SMEs. Our programme will also qualify you for a position in the public sector, work in research, and Ph.D. programmes.

Possible fields of Work:

1 Data Scientist

2 Data Analyst

3 Data Engineer

4 Data Architect

5 Business Intelligence Developer

6 Machine Learning Engineer

7 Deep Learning Expert

8 Natural Language Processing Engineer

9 Artificial Intelligence Expert

10 ML Developer

WiDS - Women in Data Science Conference Rhine-Neckar 2024

24.06.2024

Join us for an inspiring and insightful journey at the Women in Data Science Conference Rhine-Neckar 2024, where we celebrate the achievements of women in the field, with a special focus on the transformative power of data science.

Event

Data & Coffee

04.07.2024

Unlock the Power of Data! Join us for an exhilarating journey into the world of data science. Immerse yourself in insightful discussions, hands-on workshops, and networking with fellow data enthusiasts.

Event

Your curriculum

4 SEMESTER 120 ECTS

<div><div>1. Semester</div><div>30</div></div>

2. Semester

32

3. Semester

31

4. Semester

27

Courseplan Applied Data Science and Analytics

PDF (19 MB)

ADMISSION REQUIREMENTS

Our requirements

First degree (i.e. first degree qualifying for a profession) in Computer Science, Data Science, Information Technology, Artificial Intelligence, Data Analysis, Mathematics, Business Informatics awarded with 180 CPs.

English Proficiency Proof: The students need to be capable of following an English-language course and understanding English- language professional literature. The proficiency of the English language has to be proven through a passed TOEFL test of at least 80 points, IELTS (6.5), Duolingo (110), MOI (Medium of Instruction letter)

Knowledge of machine learning, natural language processing, data warehousing, statistics, data management, data mining is desired

Programming experience with Python, R is a plus

You do not qualify? No problem, SRH has its International College for students who do not qualify for direct entry into our programmes or need to bring up their English language level. You can choose from our Foundation programmes at the College. This is a direct pathway into our university. Find more about here . <https://www.srh-international-college.de/>

FEES AND FUNDING

Your tuition fees

790 EUR per month full-time + one-time registration fee of 750 EUR (Prices apply only to students from the European Economic Area).

Applicants from Non-EEA countries without permanent residence permit need to pay a tuition fee of 6,450 EUR per semester + one-time registration fee of 1,000 EUR and must pay the tuition fees for one semester in advance. From the second semester onwards the payments for the remaining semesters of study are due six weeks before the end of the period of study already paid for. The payments have to be done semesterwise.

For more information and payment modalities, please refer to the current fee schedules (valid from 01.04.2023):

[Fees schedule EEA students](#)

[Fees schedule non-EEA students](#)

APPLY NOW

Application process and deadlines

~~If~~ you're interested in our Master's programme, simply send us your application online.

~~If~~ you encounter technical difficulties with the online application or have any questions about your application, Simin Chen will be happy to help you.

~~If~~ you meet all the requirements, we'll send you the acceptance letter and the study contract.

~~You~~ then sign the study contract and return it to us (applies only to applicants from Germany and the EU).

~~You~~ pay the registration fee (applicable to all students) and, in some cases, one semester's advance payment (applies only to students from non-EU/EEA countries).

~~We~~ then issue your final letter of acceptance.

~~You~~ take part in our Welcome Days – and then embark on your degree programme!

APS Certificate

Please note that special conditions apply to applicants from some countries:

India

From 1st of November 2022, applicants from India will be required to have their documents verified by the Academic Evaluation Centre New Delhi (APS-India) before applying for a visa. After successful verification you will receive a certificate which allows you to initiate the visa process. Please note that the verification process at APS-India is expected to take approximately 4 weeks. We recommend that you apply for the APS certificate at the same time as you apply to SRH University Heidelberg. For more information, go to the APS-India website: www.aps-india.de

The People's Republic of China

The procedure of the Academic Evaluation Centre of the Cultural Section at the German Embassy in Beijing (Akademische Prüfstelle – APS) must have been successfully completed before you apply. The centre checks documents for authenticity and conducts interviews. The original APS certificate must be enclosed with the application documents. For more information, go to

the APS website at: www.aps.org.cn .

Please note that you don't need to complete the APS procedure if you apply for our 3+1 programmes.

Vietnam

The Academic Evaluation Centre of the German Embassy in Hanoi has been checking the university entrance qualifications of Vietnamese applicants since 2007. The procedure includes checking the submitted written documents as well as an interview with the applicant. An original copy of proof of successful completion of this process, the APS certificate, must be enclosed with the application documents.

IMPRESSIONS

Big Data Fest

All about your studies

Our university

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