Basic information
- Standard length of the program: 6 semesters
- Language of instruction: English
- Application period: May 01 - July 15
- Second application period for waiting list applicants: August 01 - August 15
- Start of the program: Winter semester (October)

Requirements
- General university entrance qualification or subject-specific university entrance qualification
- Application through the KU application portal

Useful skills
- Good command of the English language
- Passion for mathematics and logical thinking

Application
Information on the application and enrollment process can be found at ku.de/en/application

Further information about the degree program at ku.de/ds
Information on the Mathematical Institute for Machine Learning and Data Science at www.ku.de/en/mids
Information on studying at the KU at www.ku.de/en/study-at-the-ku/learn-more-about-the-ku

For queries about the degree program, career prospects and the application process, please contact:
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Phone: +49 8421-9321283
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pfander@ku.de

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Bachelor of Science
Data Science

Images: KU, colourbox.de, AdobeStock - Status April 2022
Data Science at the KU

Our degree program

In today's digital world, data is abundant; the challenge is to analyze and exploit this data. Recent advances in artificial intelligence - e.g., in autonomous driving, speech recognition, and automatic translation - show that modern machine learning methods are capable of discovering and harnessing hidden patterns and relationships in large amounts of data.

Features of the Data Science (DS) program

- You will learn the necessary basics of mathematics, statistics and computer science,
- get practical experience in cutting-edge methods for data analysis and machine learning (ML),
- apply these skills using modern software technologies,
- improve your English,
- choose from a number of specializations areas:
  - Applied Mathematics and Scientific Computing
  - Business Analytics and Operations
  - Digital Transformation of Society
  - Environmental Sciences
  - Finance and Economics
  - Machine Learning and Statistics

Career options

Well-trained data scientists are in high demand. Graduates of the program can work both methodologically (e.g. as a data scientist or as a software engineer) and strategically (e.g. as a data strategist) in areas such as

- finance,
- the IT industry,
- the automotive, and
- the biotechnology industry,
- as well as in startups and NGOs.

Furthermore, the program prepares students for a Master's degree with the option of a subsequent academic career in the fields of computer science, statistics, mathematics or in a field of application.

Studyplan

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<td>Hands-on ML and DS</td>
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