

Bachelor's programme

# Data Science for Global Challenges

Are you passionate about (big) data, AI, algorithms, and programming? Do you want to use data science to tackle real-world challenges? Then our new bachelor's programme Data Science for Global Challenges, starting in September 2025, is made for you! In today's world, data is a driving force—and its impact is only growing. During this programme, you'll collaborate with top lecturers to develop innovative solutions for pressing global issues like food security, climate change, and healthcare. You'll learn how to harness the power of data to create meaningful change and provide valuable insights for organisations worldwide.

With a strong data science foundation and a focus on global issues, you'll be ready to make a real difference. The world needs data experts like you—are you in?



## Short description of the study programme

- **In this unique programme, you will apply your data science and technology knowledge to climate, health, and food security;**
- **You will build a strong foundation in data science and work with state-of-the-art tools to take your expertise to the next level;**
- **This programme is offered bilingually (Dutch or English), preparing you well for a global career.**

### Visit an Open Day

Find out more about our English Bachelor's programmes  
[wur.eu/openday](http://wur.eu/openday)



### Student for a Day

An (online) experience, in a group or on your own  
[wur.eu/studentforaday](http://wur.eu/studentforaday)



## Study programme in numbers



**START**  
September



**NUMBER OF STUDENTS**  
appr. 50 per year



**NUMBER OF CREDITS**  
180 credits from which  
36 credits free choice



**COURSE LOAD PER WEEK**  
around 42 hours from which  
25 contact hours



**LANGUAGE**  
English or Dutch



**STUDENT SATISFACTION**  
not available yet



**APPLICATION**  
For non-Dutch students:  
[wur.eu/bscapplication](http://wur.eu/bscapplication)  
For Dutch students:  
[wur.nl/aanmeldenbsc](http://wur.nl/aanmeldenbsc)



**ADMISSION REQUIREMENTS**  
For non-Dutch students:  
[wur.eu/admissionbsc](http://wur.eu/admissionbsc)  
For Dutch students: VWO  
N&T, N&G or E&M (only with  
an extra course Biology,  
Chemistry or Physics)

## This is what the study programme covers

With your expertise in data science and life sciences, you'll be uniquely equipped to bridge the gap between technology and real-world challenges after your bachelor's degree. You won't just focus on the technology—you'll also consider the people who use it. This powerful combination allows you to turn data into impactful solutions for complex social and scientific issues, making you an asset to organisations now and in the future.

You'll learn to analyze diverse data sources and translate them into practical insights for research and businesses—for example, determining the sustainable footprint of food products. Plus, you'll play a key role in predicting future trends using advanced techniques and algorithms.

### *Bilingual*

In this programme you can choose the English or Dutch language track. In the English track all courses and exams will be in English. In the Dutch track approximately 2/3 of the programme will be given mainly in Dutch (except some lectures). Practicals and exams will be in Dutch. 1/3 of the program will be given in English.



### *Chat with a student*

Ask your questions to one of our students  
[wur.eu/wurchat](https://wur.eu/wurchat)

### *Students blog*

Read about student life, activities and studying  
[weblog.wur.eu/international-students](https://weblog.wur.eu/international-students)

## *Studying in Wageningen*

Wageningen University & Research has been voted the best university in the Netherlands since 2005. We offer a wide range of courses that will prepare you to play an active role in improving the quality of life and society. You will find these courses at the Wageningen Campus, where education and research come together. The campus is within cycling distance of the city centre of Wageningen. Wageningen has an international character and plenty of opportunities for entertainment, sport and nature.



## Structure of the study programme

**1<sup>st</sup>** YEAR  
Focus on a broad foundation in life sciences, mathematics, statistics, computer science, and the integration of data science for global challenges.

**2<sup>nd</sup>** YEAR  
Focus on deepening knowledge of advanced data science and artificial intelligence techniques. The focus gradually shifts from understanding the domains and analysing problems to finding common ground and working.

**3<sup>rd</sup>** YEAR  
The first half of the year allows students to broaden or deepen their knowledge through a minor, electives, or an international exchange. The second half focuses on integrating different domain perspectives.

## After your studies

After completing your bachelor's programme, you can opt for a master's programme. You have direct access to a number of master's programmes at Wageningen University & Research, such as Bioinformatics, Geo-information Science, Biosystems Engineering and Data Science for Food & Health. There are also other master's in Life Sciences possible if you have taken certain electives.

Depending on your master's choice, you can pursue a career as a data scientist, engineer, analyst, programmer, IT specialist, consultant, geo-data specialist, epidemiologist, or consumer researcher.

## More information

Visit [wur.eu/bds](https://wur.eu/bds)  
or mail to [bds.mds@wur.nl](mailto:bds.mds@wur.nl)

