

Bachelor's programme

Soil, Water, Atmosphere

Are you fascinated by the natural world around you and eager to make a difference in our changing environment? Do you enjoy exploring physics, chemistry and mathematics? Then the Soil, Water, Atmosphere programme could be the perfect fit for you!

Have you ever wondered what determines the intensity of rainfall or how a river shapes the landscape? What makes soil (un) healthy or how to ensure sustainable supply of drinking water? This programme delves into understanding and quantifying the processes occurring in soil, water, and the atmosphere. You'll engage in hands-on fieldwork, labwork, and modeling to tackle environmental challenges, equipping you with the skills to make a meaningful impact.



Short description of the study programme

- **International natural sciences programme about the Earth system, focusing on the Earth's surface and atmosphere**
- **You learn to describe and quantify physical, chemical and biological processes and their interactions, from molecular to global scale**
- **Apply this fundamental knowledge to environmental challenges, such as climate change, floods and droughts, soil degradation and erosion, and pollutants**

Visit an Open Day

Find out more about our English Bachelor's programmes
wur.eu/openday



Student for a Day

An experience, in a group or on your own
wur.eu/studentforaday

Study programme in numbers



START
September



NUMBER OF STUDENTS
around 60 first year students



NUMBER OF CREDITS
180 ECTS



COURSE LOAD PER WEEK
around 25 contact hours in the first year



LANGUAGE
English



STUDENT SATISFACTION
★★★★☆ | 4,2



APPLICATION
For non-Dutch students:
wur.eu/bscapplication
For Dutch students:
wur.nl/aanmeldenbsc



ADMISSION REQUIREMENTS
For non-Dutch students:
wur.eu/admissionbsc
For Dutch students: vwo N&T or N&G with physics or E&M with physics and chemistry or C&M with mathematics A or B, physics and chemistry.

This is what the study programme covers

Soil: Climate change and an increasing global demand for food adds more and more pressure to soils. Your thorough understanding of soil processes is therefore needed for a sustainable use of our soils.

Water: Both abundance and scarcity of water, as well as threats to its quality, are global issues. Using your knowledge on physics and biology you can contribute to a sustainable water management.

Atmosphere: The atmosphere has a direct impact on our lives, both through the day-to-day weather, and through its role in climate change. You will be able to improve weather forecasting and climate projections, to better quantify the impact of humans on climate and air quality.

The connections: processes in soil, water and atmosphere are strongly linked: your strength will be your ability to identify and quantify those connections.

“During my bachelor thesis I was surprised about what I was able to achieve: I saw how much I had learned in the years prior, in terms of knowledge and skills.”
Lenka, student



Chat with a student

Ask your questions to one of our students
www.wur.eu/wurchat

Get updates

Read about student life, activities and studying
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.



student experiences
on wurtube

Structure of the study programme

Besides spending a lot of time on our green campus for lectures and assignments, you also attend various practical courses and excursions.

1st YEAR
Introductory courses in the domains of soil, water and atmosphere, integrating courses, and courses that extend your high school knowledge of mathematics, physics and chemistry.

2nd YEAR
A more in-depth look, through courses such as Meteorology and climate, Water quantity and quality, Soil quality and the Earth system. The year concludes with fieldwork courses.

3rd YEAR
Various courses in the domain of Earth sciences to deepen or broaden your knowledge. Half a year of space for electives that you can use to do a minor in Wageningen or elsewhere, or you can go on an exchange. You conclude this year with a thesis.

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 Earth and Environment. Climate Studies and Geo-Information Science. With these master degrees you can enter a diverse and international job market. Most of the graduates get to work quickly after graduation as a consultant, engineer or researcher (PhD-position) in their field of specialisation.

“The hands-on approach, the frequent fieldwork and the combination of soil science and hydrology in the programme greatly appealed to me.”
Alumna Willemin Hoebert, weather forecaster at NOS television channels

More information

Visit wur.eu/bsw
or mail to bsw.bsc@wur.nl

