

Master's programme

Biosystems Engineering

Looking for a future in which sustainable technology makes a difference? In the master's Biosystems Engineering you will learn about the development of technology for the production, processing and storage of food and agricultural non-food.

The interaction between technology, plants, animals, the environment and society plays a central role. This often results in developing new technology. That is why you are trained to find innovative solutions and combine knowledge of technology and living systems with integrated thinking.



What makes this master's unique?

- **Theoretical lectures, practical work with an international group component**
- **Broad programme with 7 thesis tracks to specialise**
- **The programme also offers a course in technology assessment**



Want to get to know the university?

Chat with our students, visit one of the (online) open days or join one of our students for a day. Look for all activities at www.wur.eu/meetus

Study programme in numbers



START
February & September



NUMBER OF STUDENTS
35 students/year



LANGUAGE
English



STUDY LOAD
42 hours/week



APPLICATION DEADLINE
FEBRUARY
non-EU/non-EFTA students:
15 September
Dutch/EU/EFTA students:
15 November



ADMISSION REQUIREMENTS
www.wur.eu/apply

SEPTEMBER
non-EU/non-EFTA students:
15 April
Dutch/EU/EFTA students:
15 June

Thesis tracks

You will start with getting familiar with building and testing computer models for agricultural production systems, quantitative analysis for biosystems and biosystems design. After that, you will gain in-depth knowledge in one of the thesis tracks. This master's is a broad study programme which allows you to specialise within your interest.

- Farm Technology
- Geo-Information Science & Remote Sensing
- Mathematical and Statistical Methods
- Information Technology
- Environmental Technology
- Operations Research and Logistics
- Biobased Chemistry and Technology



“The programme prepares graduates to design engineering solutions through various types of challenging topics. A great part of being part of this master's is the chance to get acquainted with technologies and data to solve real-world problems in the field of precision agri-horticulture.”

Alumna Anna, researcher Greenhouse Horticulture business unit



Related programmes

MSC Animal Sciences - MSc Biobased Sciences -
MSc Geo-Information Science - Msc Plant Sciences

THE UNIVERSITY IN NUMBERS



6,936
Master's students



108
Nationalities



66%
Dutch



34%
International



43%
Male



57%
Female

Studying in Wageningen

Be part of our international community of students who want to change the world. Together we can find solutions for problems like health and food security, water scarcity, climate change and other environmental and global issues. You are ensured personal guidance throughout your student career. Studying in Wageningen guarantees premium quality education and an international quality benchmark on your curriculum vitae.

www.wur.eu/whywageningen



Structure of the study programme

- 1st** YEAR (60 credits)
- Compulsory courses
 - Specialisation courses to prepare you for your major thesis
 - Optional courses that fit your interest

- 2nd** YEAR
- Thesis: conduct your own research project (36 credits)
 - Internship: work for an organisation outside of the university and gain some work experience (24 credits)

Your future career

Graduates of this programme often work in the agro-food sector or related sectors of industry. Varying from local to international companies. They have several types of jobs like designing agricultural systems, draft product requirements as a product engineer or develop systems that deliver products to the right place as a logistic engineer. But they can also be researchers in the private and public sector.

More information

Visit wur.eu/mbe
or mail to mbe.msc@wur.nl

