

Master Engineering Systems

Sustainable Energy



The sustainable energy systems engineer will have an active role in the transition towards a sustainable energy system.

This Master's programme is a track from the masters course Master Engineering Systems. The programme deals with sustainable and renewable energy systems and how to apply these successfully to fulfil our future energy requirements. The programme has an applied technical approach, using engineering to deal with our energy challenges by exploring ways for energy systems to work more efficiently on their own and with each other, by focusing on the optimization of energy systems across multiple pathways and scales, to increase reliability, reduce cost, and minimize environmental impacts of our energy systems.

Career prospects

You may work on the development of technology, models and smart control of sustainable systems for energy generation, storage or distribution at local, regional or (inter)national level. You may be employed by SME's, grid operators, energy providers and governments to develop innovative energy systems or have a role towards maintaining the energy balance on an (inter)national scale.

Your study programme



This is a summarised indication of the courses you will follow.

1st semester

Systems Modelling

Sustainable Energy Systems

2nd semester

Choice of two modules:

Applied Control

Choice module

either *Smart Grid Power Supply* or *Big Data & Small Data*

3rd semester

Major Project

Study load per week

- Contact hours: 16 - 20 full-time, 8 - 10 part-time
- Study hours: 40 full-time, 20 part-time

Costs

Check the tuition fees that apply to you on www.han.nl/tuitionfees.

Non-EU/EEA-students require a residence permit to stay in the Netherlands, which involves additional costs. Detailed information can be found on www.han.nl/visa.



Location

Arnhem



Course start

February (only part-time) and September



Course duration

1.5 years (full-time)
2.5 – 3 years (part-time)



Language

English



Degree

Master of Science

International classroom

During this course, you will be part of an international classroom, which gives you the opportunity to study and work together with people from all over the world.

Why study at HAN?



- The HAN has a broad network of energy companies, from grid operators to energy providers to SME's developing new technology.
- Industries and companies associated with the HAN and this programme acknowledge the need for Sustainable Energy System Engineers at Master level.
- The content of this Master programme is based on our constant interactions with our industrial partners and our applied research focuses on their needs and interests.

Admission requirements



- Bachelors degree in Engineering or a related technical discipline (Minimum GPA 2.8 out of 4.0)
- Fluency in English:
 - IELTS > 6.0; all sub-scores must be 6.0 or higher
 - TOEFL > 80 (Internet based) ; all sub-scores must be at least 18
 - Cambridge Certificate (CAE or CPE)

www.han.nl/admission

Housing



HAN Housing Office can help you with accommodation. Find more information on our website: www.han.nl/hanhousingoffice or on [Facebook.com/HANhousingoffice](https://www.facebook.com/HANhousingoffice).

Next steps in orientation



If you are considering studying at HAN University of Applied Sciences but you would first like to find out more, then you are welcome to meet us either online or in person. There are numerous opportunities for you to meet our lecturers, students and alumni:

- Open Days
- Education fairs
- Information sessions
- Online meeting
- Student for a day

www.han.nl/meetus

Application procedure



Step 1

Apply through Studielink, the central online application tool for higher education in the Netherlands.

Step 2

HAN Admissions Office will ask you to forward the documents needed to process your application.

Step 3

The relevant course coordinator reviews your application. You might be contacted for additional information or for an interview. Following this, you will be informed whether you have been admitted.

Step 4

You are a student of HAN University of Applied Sciences once you have received the acceptance letter and paid the tuition fees.