

Master Engineering Systems

Automotive Systems

Although mobility is crucial to the global economy, it has also contributed to rising CO₂ emissions. We need creative solutions that combine mobility requirements with sustainable, social and technical developments. Finding these solutions requires highly-trained and innovative professionals. Study Automotive Systems at HAN University of Applied Sciences and become an authority on cleaner, safer and smarter vehicles.

Profession

As an automotive engineer you are involved in the design, development, production and evaluation of vehicle systems and components. You also possess valuable skills in applied research and project management.

Your future

As a graduate of the Master Engineering Systems, track Automotive Systems, you can apply for professional engineering positions at internationally operating automotive companies and suppliers. In the border region of the Netherlands and Germany, for example, there are excellent career opportunities for automotive engineers.



Your study programme



This is a summarised indication of the courses you will follow

1st semester:

Choice of two modules:

Systems Modelling	Vehicle Dynamics & Control
Innovations in Powertrains	

2nd semester:

Choice of two modules:

Applied Control	Vehicle Dynamics & Control
Innovations in Powertrains	Big Data & Small Data
Intelligent Mobility	

3rd semester:

Masters Thesis

Career prospects



- Vehicle Application Engineer
- Product Engineer
- Calibration Engineer
- Advanced Research Engineer
- System/CAE Engineer

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

September & February



Course duration

1.5 years (full-time)
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.

A good match?



- Do you want to broaden your career opportunities?
- Would you like to be the linking pin between different disciplines and management?
- Are you analytical and do you enjoy doing applied research?

Then this course would be a good match for you.

Why study at HAN?



- The course has close ties with the industry and directly reflects major international trends in vehicle design and development
- You work on innovative projects for HAN Automotive Research Group in collaboration with the automotive branch and for the automotive industry
- The Dutch government recently granted funding for this programme on account of its uniqueness and high quality. EU/EEA students therefore benefit from lower tuition fees.

Graduation percentage



90% of all students graduate within 2 years

Employability



90% of all graduates find a job within a year

Admission requirements



- Bachelors degree in Mechanical Engineering, Automotive Engineering, Electrical Engineering or a comparable degree (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

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 you 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.

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).