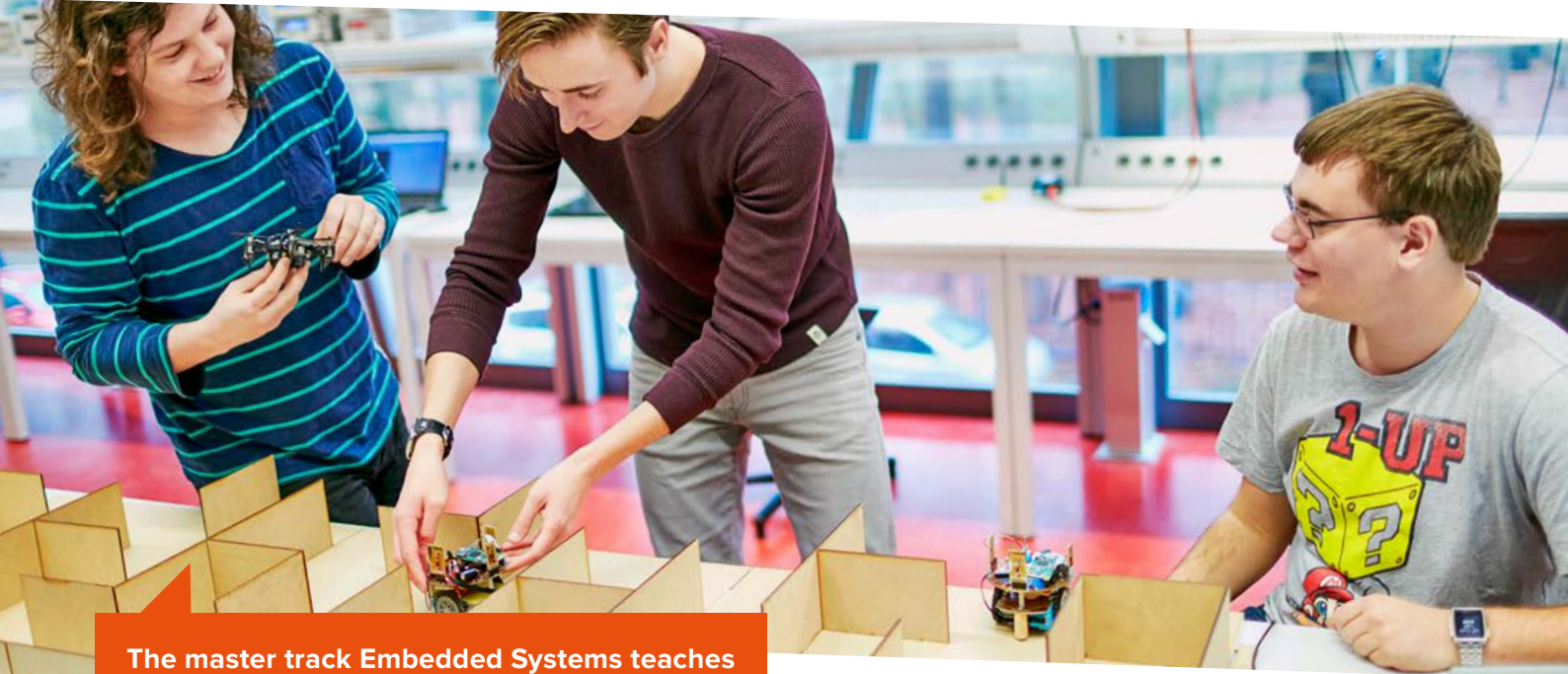


Master Engineering Systems

Embedded Systems



The master track Embedded Systems teaches students how to design and implement smart distributed systems that are low cost, energy efficient and can solve tasks cooperatively. Students will learn to design and implement architectures for distributed embedded systems, innovation services and advanced algorithms to solve complex tasks. Students will learn to model and validate complex non-linear systems with multiple inputs and outputs using UML and/or SysML, black box modelling and system identification. Students will learn to create a digital feedback controller for a linear physical system and to apply control strategies.

Profession

As an embedded systems engineer you are involved in the design, development, production and evaluation of all kinds of intelligent systems and smart devices. You also possess valuable skills in applied research and project management.

Your study programme



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

1st semester

Systems Modelling

Applied Control

2nd semester

Distributed Systems

Big Data & Small Data

3rd semester

Major Project

Career prospects



- Embedded Systems Engineer
- Electronic Engineer
- Embedded Software Engineer

Study load per week

- Contact hours: 16 - 20 full-time, 8 - 10 part-time
- Study hours: 24 full-time, 12 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.

Your future



As a graduate of the Master in Embedded Systems Engineering you develop innovative electronic products using microcontrollers. Embedded Systems Engineers often work in a team with other engineers and people from other disciplines. Using customer requirements and specifications, the embedded software/hardware developer develops the electronic hardware and software that make up a high-tech product. The content of this Master programme is based on constant interaction with our industrial partners, and our applied research focuses on their needs and interests.

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

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

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).