

Master Engineering Systems

Lean Engineering



The Masters track in Lean Engineering builds on your engineering skills and, at the same time, gives you the tools to improve design and development processes in manufacturing. With this unique skillset, you can make the link between the latest technological developments and a company's business processes.

Profession

Technological developments allow us to improve products and manufacturing processes. But they also have a direct or indirect impact on various roles within a company. They can even affect the whole supply chain. This is where broadly skilled engineers come in. Engineers with a system view, who know how to develop products and processes using an integrated methodology.

Your future

As a Lean Engineer you can work in a variety of positions, technical as well as managerial. Lean Engineers are 'integrators'; they maintain a process view while developing and implementing improvements.

Your study programme

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

1st semester:

Choice of two modules:

Systems Modelling

Lean Process Development

2nd semester:

Choice of two modules:

Applied Control

Lean Product Development

3rd semester:

Major Project

Career prospects

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- Product Engineer
 - Industrial Engineer
 - Project Manager
 - Lean Facilitator
 - R&D Manager
 - Operations Manager
 - Innovation Manager

This programme is offered as a full-time and a part-time programme

Study load per week

- Contact hours: 16 - 20 full-time, 8 - 10 part-time
- Study hours: 20 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
September & February



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.

A good match?



- Are you interested in improving manufacturing processes and products?
- Do you want to work on interdisciplinary projects?
- Are you interested in the link between technology and business development?
- Do you want to be an 'integrator' in your next job and develop your leadership qualities?

Then this course would be a good match for you.

Why study at HAN?



- Students and staff of the Lean Engineering Masters track collaborate on research for the HAN Lean-QRM Center, where practice-based research is conducted on Lean and Quick Response Manufacturing.
- The course is supported by companies that provide trainers, share knowledge and facilitate projects and excursions.

Admission requirements



- Bachelors degree in Automotive Engineering, Electronic Engineering, Mechanical 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

Specialisation



The Masters track in Lean Engineering is part of the Master Engineering Systems. This Master is also offered with the following tracks: Automotive Systems, Control Systems, Embedded Systems, and Sustainable Energy.

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).