

Overview

Target Group

Completed your Bachelor's in Electrical Engineering or a related field? Advance your expertise with a Master's in Electrical Engineering, focusing on cutting-edge technologies. Flexible study options available—choose full-time or part-time.

Degree

Master of Engineering

Study Duration

The full-time program takes 3 semesters to complete, while the part-time program lasts 5 semesters.

Admission Requirements

You have successfully completed a Bachelor's in Electrical Engineering or a related field.

Beginning of Studies

Both full-time and part-time study options are available in both the winter and summer semesters.

Unique Features

Our Master's in Electrical Engineering offers a flexible study program tailored to your needs. You can choose to start in either the winter or summer semester, and decide between full-time or part-time study. Deepen your knowledge in cutting-edge technologies and build on your Bachelor's degree. With this flexible approach, we provide the ideal foundation for your successful career!

Application



Scan the QR-Code and find out more:

www.hs-aalen.de/application

Further Questions

Admissions Office:
Hochschule Aalen
Beethovenstraße 1
73430 Aalen
✉ zulassungsamt-master@hs-aalen.de

International Office:
✉ aaa@hs-aalen.de

Step into the future with Aalen University of Applied Sciences!

With a lively student community and one of Germany's most attractive campuses, we offer more than 70 degree programs designed to enable students to become the specialists of tomorrow. Our hands-on approach bridges theory and practice, allowing you to apply what you learn in cutting-edge labs, workshops, or our Innovation Center as well as through many student-led initiatives. Through close cooperation with regional companies – including numerous world market leaders – students have the opportunity to network with local companies during their studies. Join us at Aalen University of Applied Sciences and unlock your potential for success!



hs-aalen.de/mre-en

Contact

Dean of Studies

Prof. Dr. -Ing. Jürgen Schüle

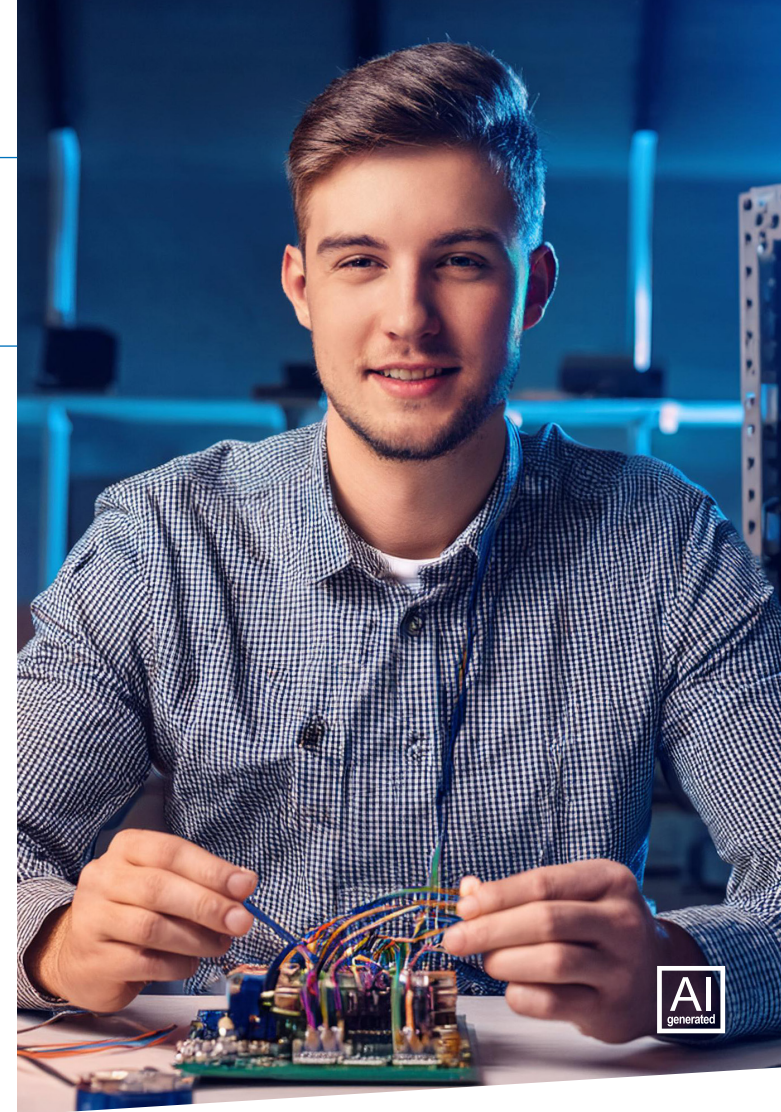
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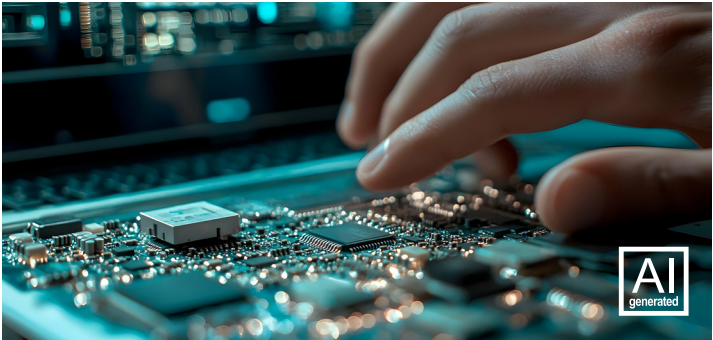


Electrical Engineering
Master of Engineering (M.Eng.)

 **Aalen University**
of Applied Sciences

Electrical Engineering Master

Our program offers a comprehensive study of Electrical Engineering with options to specialize according to your individual interests. You will gain in-depth and extensive knowledge of modern, forward-looking electrical engineering. Based on your personal interests, you can choose from a wide range of elective courses.



Overview

Start of studies in the winter semester as a full-time student – start in the summer semester is also possible

Semester	3	Master Thesis 30 CP					
	2	Project 2 5 CP	Machine Learning & Deep Learning 5 CP	Programming Internet of Things 5 CP	Modern Methods of Networks 5 CP	Smart Systems Engineering and Advanced Techniques 5 CP	Elective Module 3 5 CP
	1	Project 1 5 CP	Predictive Analytics 5 CP	Physical Computing 5 CP	Signal Processing and Modern Wireless Communications 5 CP	Elective Module 1 5 CP	Elective Module 2 5 CP

Mandatory ModulesElective Modules

Start of studies in the winter semester as a part-time student – start in the summer semester is also possible.

Semester	5	Master Thesis 30 CP				
	4	Modern Methods of Networks 5 CP	Smart Systems Engineering and Advanced Techniques 5 CP		Elective Module 3 5 CP	
	3	Signal Processing and Modern Wireless Communications 5 CP	Elective Module 1 5 CP		Elective Module 2 5 CP	
	2	Project 2 5 CP	Machine Learning & Deep Learning 5 CP		Programming Internet of Things 5 CP	
	1	Project 1 5 CP	Predictive Analytics 5 CP		Physical Computing 5 CP	

90 Credit Points are earned.

Mandatory Modules Elective Modules

Course of Study

In the Master's program in Electrical Engineering, you will deepen your knowledge in cutting-edge areas of the field. With a flexible elective component, you can tailor your studies to your interests and career goals.

Expand your expertise in the following areas:

- » Core Electrical Engineering – Technologies for the digital future
- » Electrical Engineering and Computer Science Interfaces – Optimizing systems and processes
- » Electrical Engineering and Artificial Intelligence – The next generation of intelligent systems

This Master's program opens doors to exciting careers in research, development, and the production of advanced technologies – or you can take the next step with a PhD and shape tomorrow's innovations.

After Graduation

Take advantage of the high demand for electrical engineers to kickstart your career with excellent prospects. Graduates of our Master's program find exciting and well-paying jobs in industry, business, and the public sector.

Your opportunities:

- » Diverse career fields: Research and development, technical support in production and service, creation of electrical engineering concepts.
- » Excellent career prospects: Work in small, medium, or large companies – including in the public sector.
- » Outstanding earning potential and career development.

The Master's program also qualifies you for an academic career, with the possibility of pursuing a PhD.