

Stuttgarter Maschinenbau

interdisciplinary and versatile

NO LIMITS TO YOUR FUTURE

Ready to engineer the future? With the reimagined FAME Master you can deepen your expertise in a variety of fields, build projects in modern labs, and gain experience in the industry or at our research institutes. If you want to learn how to master complex systems and deliver sustainable, economically sound solutions, the FAME master is the right choice for you!

- Take advantage of the excellent study conditions at one of Germany's leading technical universities
- Acquire comprehensive skills thanks to our lecturers and external teaching assistants
- Study in one of Europe's industrial heartlands and sharpen both your academic and professional skills
- Build a broad spectrum of up-to-date skills both in science and the German engineering culture
- Profit from the several focus fields to deepen your expertise and specialize in an interdisciplinary way



Study in the provincial capital
experience the diversity

www.stuttgarter-maschinenbau.de



Degree	Master of Science (M.Sc.) Fundamentals and Applications of Mechanical Engineering
Requirements	At least a 6-semester Bachelor's degree with a mechanical engineering profile or closely related field of study. Proof of English skills at level C1.
Start of the course	Winter term Summer term
Duration	4 terms; max. 8 terms, 120 ECTS
Deadline	January 15 July 15 (Application deadline)
Student advisory service	Esmeralda Compagna Phone: +49 711 685-66592 esmeralda.compagna@ f07.uni-stuttgart.de

Online application



www.uni-stuttgart.de/en/study/application/master/

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Stand 10|25



University of Stuttgart
Germany

Master

Fundamentals and
Applications of
Mechanical
Engineering
(FAME)

stuttgarter
maschinenbau
interdisziplinär und vielfältig



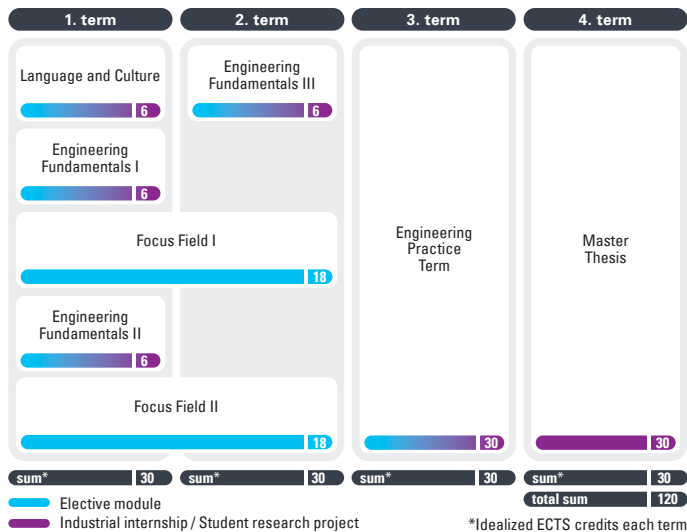
M.Sc. Fundamentals and Applications of Mechanical Engineering (FAME)

The FAME master's program is a completely redesigned, English-language study program that opens the door to the most challenging and exciting jobs in research, development, and industry. Building on your existing engineering knowledge, you will deepen your expertise in areas such as design and production engineering, thermodynamics, fluid mechanics, materials science, control engineering, and project management.

In addition to modern laboratories and practical projects, you can expect close cooperation with industry partners and research institutions, including a one-semester internship in industry or at an institute. You will learn to analyze complex systems, develop innovative solutions, and implement them in an economical, sustainable, and technically excellent manner. We also prepare you in terms of language and culture to make it easier for you to start your career and life in Germany.

Curriculum

We strongly advise the study plan as shown below. Ideally you should complete 30 ECTS-credits each term.



Excellent Perspectives

The M.Sc. FAME program is focused on preparing professionals with advanced research skills and critical thinking to develop creative solutions to tackle today's challenges in engineering. With a master's degree in mechanical engineering, you will be qualified for creative or management positions in industry, research, or self-employment. You can actively shape the technological progress of our society. During the program you will be able to:

- develop your individual profile
- obtain practical experience
- know state-of-the-art technologies

Our alumni work for international operating companies, universities, research institutes, non-governmental organizations in Germany as well as in their home countries around the world.

ENGINEERING FUNDAMENTALS

This module consists of three courses designed to provide a comprehensive foundation in core engineering topics. If your previous bachelor's degree did not cover certain subject areas, you can make up for them here.

FOCUS FIELDS

In the two Focus Fields you can choose from over 140 different subjects, which you can use to develop your individual study focus and personal profile. Each Focus Field represents a deep insight into what modern engineering is all about.

Following options are available:

- Automotive Engineering and Advanced Mobility
- Automation, Robotics and Mechanics
- Biomedical Engineering
- Energy Engineering
- Manufacturing



For further information please visit:

LANGUAGE AND CULTURE

For students from abroad, we offer special courses designed to make living and working in Germany easier, and if you come from Germany, there are also other offers to help you broaden your horizon.

ENGINEERING PRACTICE TERM

As an applied science, it is important that you also learn about practical life as part of an organization. For this purpose, one semester includes either a mandatory internship at a company or a research project at a university research institute, depending on the profile you wish to pursue. In addition, you will participate in a compulsory supporting module at the university to discuss and reflect on your experiences.

MASTER THESIS

Your studies will be completed with a master's thesis in one of your two focus fields. This will be closely supervised by the staff of the institute you choose for this purpose.