ESSLINGEN WHAT TO EXPECT



- Close collaboration with industry
- Located close to global leaders in the mobility industry
- State-of-the-art, superbly equipped laboratories



Student life: In addition to the degree programme Esslingen University offers a wide range of opportunities:

- Rennstall Formula Student Team
- Technical Flying Club (FTAG)
- University Sports Club
- University Orchestra and University Choir





HOW TO APPLY

Esslingen University of Applied Sciences

Flandernstrasse 101 73732 Esslingen **GERMANY** Phone +49(0)711 397-44 74 mengasm@hs-esslingen.de

Admission Requirements

- Vehicle Sytems Major: Bachelor of Automotive Engineering, Mechanical Engineering, Mechatronics or equivalent
- Automotive IT Major: Bachelor of Information Technology, Electrical Engineering, Vehicle Systems Engineering or equivalent
- APS certificate required from bachelor graduates of China, India, Vietnam, etc.
- English language test

Application deadline 31 March



AUTOMOTIVE





HOCHSCHULE **ESSLINGEN**

WWW.HS-ESSLINGEN.DE











BUILD YOUR CAREER IN AUTOMOTIVE SYSTEMS

Automotive Systems (ASM) students choose one of two majors:

- I Vehicle Systems
- I Automotive IT

Vehicle Systems graduates aim to work in the field of development and testing of innovative functions to improve ride & handling, stability, driveability and fuel economy.

Automotive IT graduates aim to work in the field of development, market launch and supervision of innovative car communication systems and safe software. They can develop bus- and communication systems and safety concepts for vehicle systems.

MASTER OF ENGINEERING

- Build your career in automotive systems
 Learn to work in an interdisciplinary
- and intercultural environment
- I Study in English live in Germany



STUDY IN THE HEART OF THE EUROPEAN AUTOMOTIVE INDUSTRY



Students benefit greatly from the close links to the technological and industrial leaders situated in the area, such as **Bosch, Daimler, Audi, Festo, and Porsche**. These are especially important when it comes to master's thesis placement.

Learn to work in an interdisciplinary and intercultural environment

ASM students have the possibility to work on projects that have been commissioned by the industry. One example is the development of battery management systems using modern cell simulator and microcontroller technology.



Esslingen is an ideal place to live and study.

MASTER OF ENGINEERING AUTOMOTIVE SYSTEMS

Master's Thesis



Soft Skills for Engineers

Major in Vehicle Systems

Handling, Suspension Modeling, Propulsion Systems, E-mobility

Major in Automotive IT

Automotive Communications (Communication Systems, Vehicle to X), Usability and Dependability (Man-Machine-Interactions (MMI), Safety and Security)



Autonomous Driving

Team Project

Mathematical Methods in Engineering: Numerical Analysis, Numerical Differential Equations, Descriptive and Interferential Statistics

System Design:

Automotive Systems and Software
Architectures, Automotive Systems
Development Process and System Test

Simulation and Control: Basic Control, Advanced Control, Lab, Modelling and Simulation



IT Fundamentals, Vehicle System Fundamentals

ACCOMPANYING COURSES

- In September: orientation week, German language course, culture programme
- German Language Courses: improve employability (master's thesis)
- Excursions, Cultural and Social Events: explore the German mentality and culture