Bachelor full-time / English
Bachelor of Engineering (B.Eng.)

ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY

HOCHSCHULE
RAVENSBURG-WEINGARTEN
UNIVERSITY
OF APPLIED SCIENCES

AT A GLANCE

Final Degree
Bachelor of Engineering
(B.Eng.)

Period of Study
7 semesters, including an internship, full-time

Closing Dates
15 November (Summer Term),
15 July (Summer Term)

Start
Summer Term (in English)
Winter Term (in German)

Admission Requirement
Higher education entrance qualification or equivalent

ECTS
The course of study includes 210 Credits

Dean of studies
Prof. Dr. Andreas Siggelkow
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Online-Bewerbung
www.rwu.de

KNOWLEDGE & PRACTICAL SKILLS

New fast and efficient transmission technologies are the key to new communication technologies in the future.

Modern life is not possible without electrical and electronic technologies, and it is amidst this modern life that electrical engineers will find their place. Almost all aspects of life benefit from their expertise.

Whether it is simple household appliances that have become more energy-efficient, or satellite technology used for communication, or autonomous systems and control systems, electrical engineers are involved everywhere contributing their expertise to ensure an essential part of the product's and company's success.

STUDY PROGRAM & CURRICULUM CONTENT

Shape the future in the era of change.

The »Electrical Engineering and Information Technology« course trains electrical engineers who can translate scientific findings and technical ideas directly into practical applications or marketable products.

Outstanding study characteristics are a short duration of study as well as an intensive supervision of the students. Numerous exercises in the laboratory, project work and case studies provide an intensive reference to practical work.

The fifth semester is a practical study semester, here the students already work independently on a task from electrical engineering in a company.

In the main study period from the fourth semester onwards, students can choose from two study directions.

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Communication technology deals with the transmission, switching and processing of messages. The worldwide growth of telecommunications ensures that this sector will continue to play a leading role in the globalized economy and industry.

Automation technology has almost become a symbol for the modern manufacturing industry. The industrial societies of the 21st century are determined by global competition and largely automated production.

SEM.	MODULE OVERVIEW							ECTS
1	Electrical Engineering 1 & practical course 5	Physics 5	Programming 1 & practical course 5	Digital Technology & practical course 5	Mathematics 1 Analysis 1 5	Mathematics 2 Linear Algebra 5		30
2	Electrical Engineering 2 & practical course 10		Metrology 1 & practical course 5	Programming 2 & practical course 5	Processor Technology & practical course 5	Mathematics 3 Analysis 2 5		30
3	Electrical Engineering 3 & practical course 5	Metrology 2 & practical course 5	Robotics & practical course 5	Digital Electronics Labs 5	Electronics 5	Circuit Design 1 & practical course 5		30
4	Power Electronics 5	Comunication Technology 5	Profil 10		Professional English 5	Circuit Design 2 & practical course 5		30
5	Internship 30							30
6	High Frequency Engineering & practical course 5	Elective Module 5	Communications Networks 5	Digital Signalprocessing & practical course 5	Microcontroller & practical course 5	Seminar 5		30
7	Bachelor-Thesis 12		Automation & practical course 7		Control Engineering & practical course 6	Elective Module 5		30

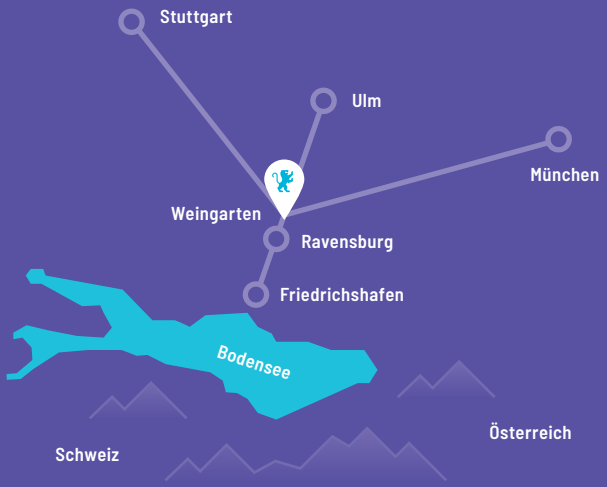
Lecture subjects · Projects and practical courses · Thesis and internship

JOBS & PROSPECTIVES

Whether simple household appliances, satellite technology or autonomous systems, electrical engineers are involved in design, development and testing everywhere.

After successfully completing your studies, you will graduate with a Bachelor of Engineering (B.Eng.), which will give you the opportunity to work in one of the numerous companies in the region or worldwide. Optionally, you have the opportunity to obtain your Master's degree.

Communication and automation technology plays a central role in the success of many industrial companies. From control technology for the infrastructure to device development in the software and hardware area, you can apply your acquired know-how in a variety of ways.



STUDIES AT RWU

The studies at the Ravensburg-Weingarten University of Applied Sciences are characterised by practical training and modern, well-equipped laboratories. Students study in small groups, individually supervised by a team of highly qualified professors and assistants. Nearby dormitories and many leisure activities in the attractive landscape of Upper Swabia, close to Lake Constance and the Alps offer excellent boundary conditions and the best conditions for fun and success in study and work.

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of Applied Sciences

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HfSW
Hochschulföderation SüdWest

Zertifikat seit 2015
audit familiengerechte hochschule

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