

TECHNIK . WIRTSCHAFT . SOZIALWESEN

Master full-time / English

Master of Engineering (M. Eng.)

ELECTRICAL ENGINEERING AND EMBEDDED SYSTEMS



HOCHSCHULE
RAVENSBURG-WEINGARTEN
UNIVERSITY
OF APPLIED SCIENCES



AT A GLANCE



Final Degree

Master of Engineering
(M.Eng. (MBA))



Period of Study

3 Semester



Closing Date

April 15th
(Winter Term)



Start

Winter Term

Admission Requirements

Bachelor degree in Electrical Engineering, Communications Engineering, Automation or Power Engineering with a final grade of at least 2,5 (German grading system) and 210 ECTS credits. English certificat (TOEFL or IELTS)

ECTS

The Course of Study includes
90 Credits

Online-Application

www.rwu.de

Dean of Studies

Prof. Dr. Lothar Berger
T +49 751 501-9630
lothar.berger@rwu.de

KNOWLEDGE & PRACTICAL SKILLS

With your Master in Electrical Engineering you will deepen your knowledge of electrical engineering and communication technology and place your scientific education on a broader base. The fact that the studies are strongly related to engineering practice makes the holder of a Master in Electrical Engineering ideally suited for research and development tasks, like Autonomous Driving or Internet of Things, in local as well as international institutes and high-tech companies.

Apart from technical qualifications, this postgraduate course enables you to strengthen your cross-cultural and interdisciplinary competence. Students from many different nations come to live in Weingarten for one and a half year and they work together on projects in intercultural groups.



STUDY PROGRAM & CURRICULUM CONTENT

Course of Study

The Master's program is designed as a full-time study course with a duration of three semesters. All lectures will be held in English. The program starts in the winter semester.

Lectures, laboratory courses and practical exercises take place at Ravensburg-Weingarten University avoiding long commuting between different university locations. In addition, lectures and seminars are held in small groups to ensure intensive support, focusing on project-oriented knowledge acquisition.

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Admission Requirements

Prerequisites for eligibility is a completed Diploma or Bachelor's degree in Electrical Engineering, Communications Engineering, Automation or Power Engineering with a final grade of at least 2,5 (German grading system) and 210 ECTS credits. Graduates from 3 year Bachelor programs (180 ECTS credits) can be considered provided they meet additional requirements. Applicants who at the time of application have not obtained the Bachelor's degree yet will be ranked according to their current GPA.

Since course-language is English, minimum requirement to the certificate of language proficiency for English is the following:

- for TOEFL a score of 70 out of 120 (Internet based)
- for IELTS an overall band score of 6.0

SEM.	MODULE OVERVIEW						ECTS
1	Embedded Computing	Circuit & Systems 1	Signal Processing 1	Profile Module 1 (Internet of Things or Autonomous Driving)	Mathematics		
		5	5	5	10		30
2	10	Communication 1 (Wireless Communication)	Communication 2 (Nearfield Communication)	Profile Module 2 (Internet of Things or Autonomous Driving)	Advanced Control Systems	Elective Module	
		5	5	5	5	5	30
3	Embedded Control	Master-Thesis incl. Colloquium					
	5	25					30

JOBS & PERSPECTIVES

The Lake Constance and Upper Swabia region is home to numerous innovative companies with a high demand for qualified employees. There are global players such as ZF, Airbus and MTU in the immediate vicinity of Ravensburg-Weingarten University, offering options for Master thesis and employment. Most of the graduates get challenging and fascinating jobs in this region.

The cross-cultural orientation of this Master program is an excellent preparation for a successful international career. The title »Master of Engineering« also enables you to pursue a PhD. You may continue with doctoral studies at a university, which can open up a career in research.



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.



Hochschule Ravensburg-Weingarten

Studierenden-Service
+49 751 501-9344



Postfach / P.O. Box 3022
88216 Weingarten
Germany



Doggenriedstraße
88250 Weingarten
Germany



www.rwu.de
info@rwu.de
Facebook: [rw.university](https://www.facebook.com/rw.university)
Instagram: [rw.university](https://www.instagram.com/rw.university)

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