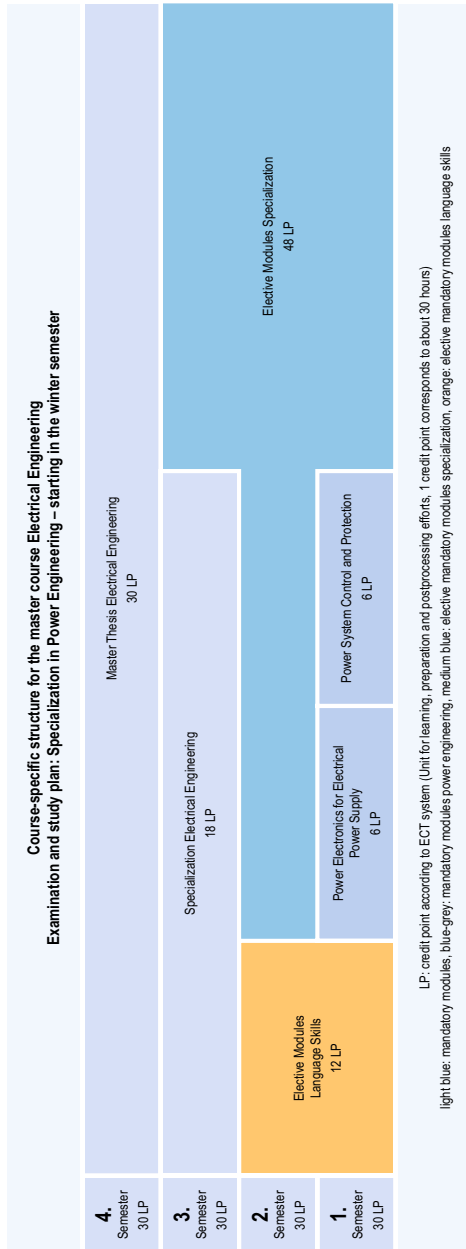


Study Schedule



There are four study schedules: for the specializations **Power Engineering and Information Technology** for the start of studies in the summer semester and for the start of studies in the winter semester.

The study schedules and further information can be found at www.ief.uni-rostock.de/ee-msc



University of Rostock

FACULTY OF COMPUTER SCIENCE AND ELECTRICAL ENGINEERING

Study Counselor

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 Fon + 49 (0)381 498 1230
 studium@uni-rostock.de

Electrical Engineering

(Master of Science)



Degree

Master of Science (M.Sc.)

Type of Program

graduate (with a second academic degree)

one major subject degree (not combinable)

language: English, single modules in German

The entire course may be completed in English language.

Duration

4 semesters

Start Date

in the winter semester (Oct. 1st)

in the summer semester (Apr. 1st)



Start-up support

Assistance during the start of studies and orientation in Germany with the help of mentoring from students for students

Fields of Study

Electrical Engineering

Formal Requirements

- Completion of a first academic degree in Electrical Engineering with at least 180 credit points or equivalent qualification; with at least 85 % of the CGPA (Cumulative Grade Point Average) or a comparable grade or Graduate Aptitude Test in Engineering (GATE) with at least 500 points
- proof of profound knowledge: Electromagnetic Fields and Waves (at least 3 credit points), Mathematics (at least 18 credit points), Programming / Practical Computer Science (at least 6 credit points)
- Mother tongue English or proof of sufficient English language skills (not older than two years) with TOEFL IBT

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with at least 94 points or IELTS with at least 7.0 points

Advanced Qualification Options

graduate to Dr.-Ing.

Purpose and Objective

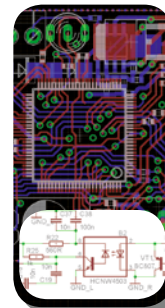
In the English-language master's degree program Electrical Engineering, you deepen your knowledge acquired in the bachelor program in one of this specializations

- Power Engineering or
- Information Technology.

Power Engineering includes the generation, transmission, conversion and application of electrical energy. Besides the basics, the subject area comprises the energy production from renewable sources, such as bioenergy and wind power plants, construction, operation and control of electrical drive systems and the associated high temperature electronics.



Information Technology is primarily concerned with the processing and transmission of digital information. Here, the spectrum ranges from digital signal processing and data transmission to circuit design, embedded systems and multi-processor systems as well as mobile and wireless communication systems.



Premises for the Study

You have completed your bachelor's degree with good results, have a good knowledge of English and are interested in scientific, technical and engineering issues and research work.

Content of Master Program

In the first three semesters, you select modules according to your specialization from the module catalogue. Finally, the fourth semester is reserved for the master thesis. In addition, there are compulsory language courses for both specializations.



Special Features

The course is offered in English language and is therefore equally suitable for English-speaking international students and for German-speaking students who want to develop and apply their English language skills.



Career Prospects

The university master's degree in Electrical Engineering offers best possibilities for a leading or researcher position in the field of engineering in Germany and abroad or to enter a doctoral program. The ever-growing demand for engineers opens up prospects for the future with good job offers and excellent career opportunities.



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