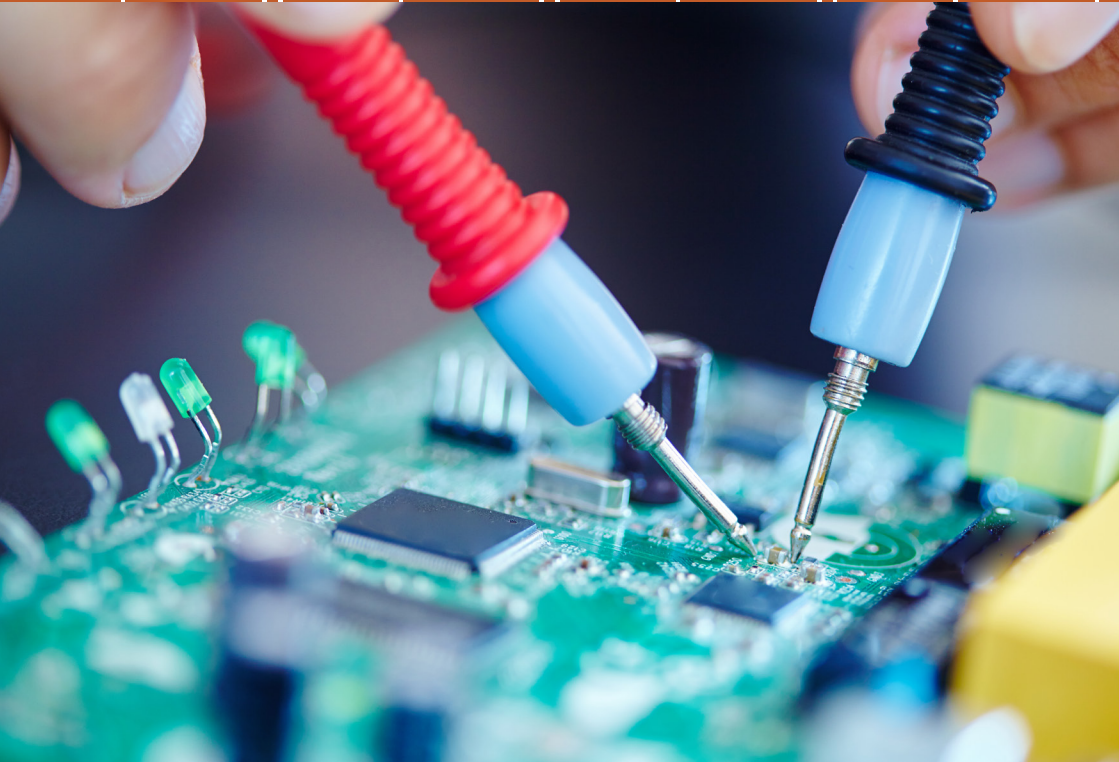




كلية الهندسة
College of Engineering
QATAR UNIVERSITY جامعة قطر

Master of Science in Electrical Engineering



About the Program

The mission of the Master of Science in Electrical Engineering (EE) program in the College of Engineering is to prepare students for careers in private and public sectors and for advanced level in research that leads to high scholarly achievements, and advanced knowledge. The major emphasis of the program is to foster a deeper understanding of the engineering research process and learn relevant professional skills. The main research themes in the EE department are power systems and renewable energy, information processing, biomedical engineering and industrial electronics and control. The EE MSc program helps the electrical engineers become more effective technical specialists and scholars, and strengthens their ability to lead people and projects. It is designed to enhance students' competencies in contributing to the existing body of knowledge and to innovation and creation of new knowledge. Students are expected to equip themselves with strong theoretical and methodological foundations and to develop their ability to independently conduct research.

About the Curriculum and Coursework:

In addition to the research work (12 credit hours), students are required to complete 24 credit hours of coursework. A typical duration of the program is four semesters (two years) and the maximum duration is eight semesters (four years). The Program is offered for both part- and full-time students.

Degree Requirements:

The Master of Science in Electrical Engineering degree requires a minimum of 36 credit hours of graduate-level course work and thesis.

The coursework must include:

- A total of 9 credit hours in general core requirements.
- A minimum of 15 credit hours from the Electrical engineering discipline list of technical elective courses.
- A minimum of 12 credit hours in the thesis.

Research Interests/Emphasis:

The Department of Electrical Engineering at Qatar University carries out leading research in a number of areas within the electrical engineering discipline with 4 major research focus groups, namely Industrial Electronics, Instrumentation & Control, Power and Energy, Biomedical Engineering, and Information Processing.

Facilities:

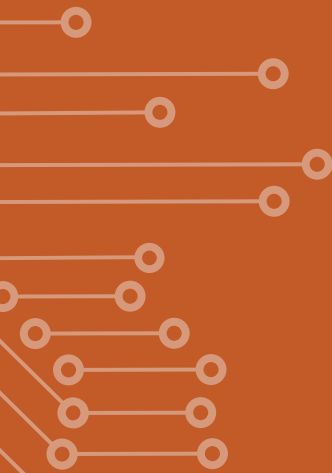
The Electrical Engineering department at Qatar University provides different laboratory facilities in variety of research topics such as power system, power electronics, control system, and communication.

Potential Careers:

The EE MSc program aims for excellence contributions to the electrical engineering research that has regional, national, and international importance. Moreover, the program intends to support those graduates interested in pursuing PhD studies.

Financial Support:

A number of funding opportunities are available for graduate students through external and internal sources such as the National Priority Research Program (NPRP) of Qatar Foundation and Qatar University internal grants. Qualified graduates can also apply for graduate assistantships that are provided by Qatar University.





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