Electrical Engineering, MSE

Program Description

Degree Awarded: MSE Electrical Engineering

The electrical engineering faculty in the Ira A. Fulton Schools of Engineering offer a professional program leading to the MSE in electrical engineering. Graduate courses and programs are offered in the following six areas of specialization:

- control systems (not an option for the online degree but available to on-campus students)
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- electric power and energy systems
- signal processing and communications
- physical electronics and photonics

Courses are available on campus and online. The degree can be completed taking all classes on campus or all classes online.

A concurrent degree, the MBA/MSE in electrical engineering, is available as an online option. For more information, students should visit https://wpcarey.asu.edu/mba-programs/online/concurrent-degrees.

At a Glance

- **College/School:** Ira A. Fulton Schools of Engineering
- **Location:** Tempe campus or online

Concurrent Degrees

This degree is also offered as concurrent degree program with:

W. P. Carey MBA - Online Program

Compare Programs |
Accelerated Degrees

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Electrical Engineering, BSE
- Electrical Engineering (Electric Power and Energy Systems), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

Degree Requirements

30 credit hours and a written comprehensive exam

The master's degree in electrical engineering is a professional degree requiring a minimum of 30 credit hours of coursework (a minimum of 10 classes) and a final comprehensive examination in the area of specialization. The examination is given each semester at the end of the sixth week of classes.

Requirements include:

- at least five EEE courses
- at least three EEE 500-level courses
- at least two courses outside the area of specialization
- at most one EEE 590 Reading and Conference or FSE course
- at most two 400-level courses

Admission Requirements

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

The decision to admit a student who has earned a bachelor's degree from a program accredited by ABET to a master's degree program in electrical engineering is based on a number of factors. A minimum requirement is an undergraduate GPA of 3.00 (scale is 4.00 = "A") in the student’s last two years of undergraduate work. A student whose undergraduate degree is not from an ABET-accredited program must have the equivalent of at
least a 3.50 GPA in the last two years of undergraduate study and must score 156 or higher on the quantitative section of the GRE general test.

All applicants must submit:

1. graduate admission application and application fee
2. official transcripts
3. proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the iBT or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

A candidate whose undergraduate degree is not in electrical engineering may need to take appropriate undergraduate courses to establish a baseline of knowledge in the discipline.

Applicants should see the program website for application deadlines.

Attend Online

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here.

Contact Information

Electrical Engineering Program | GWC 209
askee@asu.edu | 480-965-3424