Engineering, MEng

ESENGRMENG

Do you want to lead in project management, product development and design? Learn the advanced technical, management and professional skills needed to accomplish your goals in this interdisciplinary program designed to augment your engineering, science or technology degree.

Program description

Degree awarded: MEng Engineering
Engineers have the opportunity to gain valuable experience applicable to their chosen industry while gaining an advanced degree.

The MEng degree program is designed to meet the unique needs of professional engineers, and it is delivered entirely online. In this practice-oriented degree program, students can customize their learning experience by selecting a curriculum that addresses their academic and professional goals.

Multiple emphasis areas are available in this master's degree program. Within each area of study are specific course requirements, in addition to the general program requirements. Students can select one of several areas of study available, such as engineering management, quality, reliability and statistical engineering, and systems engineering. A computing and technology area of study has been developed to support ASU's global initiatives.

Convenience and flexibility are key advantages of this program. The Master of Engineering is a 30 credit hour degree program that does not require GRE results, a thesis or on-campus attendance; it is only available through distance learning. The program is supported through online courses available from the Ira A. Fulton Schools of Engineering.

At a glance

- **College/School:** Ira A. Fulton Schools of Engineering
- **Location:** Online

Degree requirements

30 credit hours and a portfolio, or
30 credit hours and a written comprehensive exam, or
30 credit hours and an oral comprehensive exam, or
30 credit hours including the required applied project course (CSE 593 or IEE 585 or IEE 593)

Students must complete 30 credit hours equaling 10 courses to earn a Master of Engineering. Half of all coursework, excluding the practice-oriented project, must be in engineering.

Students must complete three credit hours of applied engineering mathematics and three credit hours of engineering management or business.

A culminating event is required and is identified by the student's advisory committee. It could be a final written or oral examination, portfolio, or the final report of a practice-oriented project. Additional requirements may exist for some academic units and emphasis areas of the Master of Engineering program.

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 the desired field of study from a regionally accredited institution.

Applicants must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

1. graduate admission application and application fee
2. official transcripts from all institutions attended
3. proof of English proficiency

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

Tuition information

When it comes to paying for higher education, everyone's situation is different. Students can learn about ASU tuition and financial aid options to find out which will work best for them.

Attend online

ASU Online

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page for program descriptions and to request more information.

Career opportunities

Engineers approach a broad range of disciplinary and transdisciplinary opportunities by applying new approaches and technologies to solve problems, innovate and create value.

The Master of Engineering degree is an interdisciplinary program that prepares engineering, science and technology majors with more advanced technical, management and practical skills that enhance their marketability to potential employers. The program is designed for people who are already employed in engineering or technical roles, or who are interested in expanding their skill set before entering a technical organization as a manager or individual contributor.

According to the Bureau of Labor Statistics, engineers are highly paid, and there is significant growth in the number of employment opportunities. Graduates of this multidisciplinary program are able to fill these roles in the following career paths:

- Engineering managers hold leadership positions in the management of projects, processes and people, combining engineering competency with managerial skills to support the efficient development of new technology and products.
- Quality and reliability engineers use engineering principles to make business and production processes and products more efficient and dependable. They may also look for ways to seek efficiencies while maintaining reliable products and production methods.
- Systems engineers may become technical managers who develop the technical design of complex systems and manage them by building on their interdisciplinary expertise, systems engineering principles and practical experience.

Contact information

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