Engineering, MS

TSEGRMS

Program Description

Degree Awarded: MS Engineering

The MS program in engineering consists of a core set of courses designed for students to develop applied analytical expertise across disciplinary boundaries, with direct applications of advanced design principles to system design, management and control. The expertise developed in the core curriculum is reinforced through focus areas that provide flexibility for the student, including alternative energy, mechanical and manufacturing engineering. The culminating experience options are designed to engage students with real-world applications of engineering and to develop problem-solving skills.

At a Glance

- College/School: Ira A. Fulton Schools of Engineering
- Location: Polytechnic campus

Accelerated Degrees

This degree is also offered in an accelerated format with:

- Engineering (Automotive Systems), BSE
- Engineering (Electrical Systems), BSE
- Engineering (Mechanical Engineering Systems), BSE
- Engineering (Robotics), BSE

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

Degree Requirements
30 credit hours and a portfolio, or
30 credit hours and a thesis, or
30 credit hours including an Written Comprehensive Exam, or
30 credit hours including the required Applied Project course (EGR 593)

**Required Core (9 credit hours)**
EGR 520 Engineering Analysis (3)
EGR 530 Principles of Systems Engineering (3)
EGR 535 Engineering Innovation and Entrepreneurship (3)

**Focus Area (6-12 credit hours)**

**Other Requirements (9 credit hours)**
EGR 598 Topic: Statistics for Engineers (3)
EGR 598 Topic: Simulating Manufacturing Systems (3)
EGR 598 Topic: Engineering Analysis II (3)

**Culminating Experience (0-6 credit hours)**
EGR 599 Thesis (6)
EGR 593 Applied Project (3)
Portfolio (0)

**Additional Curriculum Information**
The focus area credit hours required are dependent upon the chosen culminating experience option. Completion of 30 credit hours of coursework is required for all culminating experience options.

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**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 U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country in engineering, physical sciences, mathematics or a similar field.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (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
3. personal statement
4. professional resume
5. GRE test scores
6. 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. Applicants should see the Graduate Admission Services website at https://students.asu.edu/graduate/proficiency.

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education will be considered.

Deadlines

Fall                          Spring

Contact Information

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