

Civil, Environmental and Sustainable Engineering, MS

ESCIVILMS

Program description

Degree awarded: MS Civil, Environmental and Sustainable Engineering

The faculty in civil, environmental and sustainable engineering offer a graduate program leading to an MS degree in civil, environmental and sustainable engineering. The program is designed to enhance the knowledge gained in the undergraduate program by requiring students to understand and practice fundamental concepts in engineering, mathematics and the basic sciences.

The pattern of coursework applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree, as authorized here and on the program's website.

Students are admitted to one of the following specialty areas in engineering:

- environmental
- geotechnical
- hydrosystems
- structural
- sustainable
- transportation

At a glance

- **College/School:** [Ira A. Fulton Schools of Engineering](#)
- **Location:** [Tempe](#)

Accelerated program options

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 plus master's degree](#) with:

[Civil Engineering, BSE](#)

[Civil Engineering \(Sustainable Engineering\), BSE](#)

[Construction Engineering, BSE](#)

[Environmental Engineering, BSE](#)

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and [how to apply](#).

Degree requirements

30 credit hours and a thesis, or

30 credit hours and a written comprehensive exam, or

30 credit hours including the required applied project course (CEE 593)

All candidates for the master's degree thesis option are required to complete 24 credit hours of approved graduate coursework and a minimum of six credit hours of CEE 599 Thesis. The written thesis must be original research in nature. Additional courses may be assigned by the graduate supervisory committee, depending on the candidate's background. A final oral examination in defense of the thesis written work is required.

Candidates in the applied project option must complete 27 credit hours of approved graduate coursework and three credit hours of CEE 593 Applied Project.

Candidates in the comprehensive exam option must complete 30 credit hours of approved graduate coursework and complete a written comprehensive exam.

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 this program if they have earned a bachelor's or master's degree with a major in engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 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. Applicants with a lower GPA may be admitted provisionally at the discretion of the admission committee.

All applicants must submit:

1. graduate admission application and application fee
2. official transcripts
3. three letters of recommendation
4. 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. Those seeking a teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL.

The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator. A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree program are specified at the time of admission, and details can be obtained from the graduate studies section of the program's website.

Applicants are encouraged to submit a resume and personal statement.

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.

Application deadlines

Fall

Spring [expand](#)

[expand](#)

Career opportunities

This program prepares graduates to be civil engineers who typically focus on large projects such as buildings, roads, bridges, subway systems, dams and water supply networks.

Contact information

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