

CIVIL AND ENVIRONMENTAL ENGINEERING AMP

All students must meet the Requirements for the Accelerated Master's Degree Programs

SPECIFIC REQUIREMENTS

Requirements for Admission to Graduate Studies for the Degree of Master of Science for Accelerated Students

Qualified undergraduate students who plan to earn a master's degree in civil and environmental engineering may enroll in the Accelerated Master's Program, which enables students to begin working on a master's degree while still an undergraduate. Students apply to the program in the second semester of their junior year and no later than August before the start of their senior year. Upon entering the program, students may take up to nine graduate credits while completing the undergraduate degree. Of these, a maximum of six credits can be counted toward both the B.S. and the M.S. degrees. These credits must be earned after the student has been accepted into the Graduate College, and are subject to approval of the student's graduate advisor. Students in the program typically begin work toward their master's thesis starting in the summer following their junior year.

To apply to the program, students must have a cumulative grade point average of at least 3.20 at the time of application, must submit a letter of application to the graduate program coordinator naming a faculty member who has agreed to serve as their graduate advisor and list the courses proposed for graduate credit. Applicants must also complete the Graduate College application. GRE scores are not required for AMP students.

Students pursuing an M.S. degree in civil and environmental engineering may choose either a thesis or non-thesis based program.

Minimum Degree Requirements

The requirements for advancement to candidacy must be supplemented in either of the two following ways:

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| Option A (Thesis) | |
| Completion of advanced courses in civil and environmental engineering, mathematics, and other approved disciplines, and the completion of an acceptable master's thesis. At least thirty credits must be accumulated, six to nine of them in thesis research | 30 |
| Option B (Non-Thesis) | |
| Completion of thirty-six credits of advanced courses in civil and environmental engineering, mathematics, and other approved disciplines | 36 |

Students must declare which option they intend to pursue at the beginning of their program.

Comprehensive Examination

A comprehensive examination is required of all M.S. students and must be completed before the thesis defense. For thesis option students this generally takes the form of an informal oral examination with the Studies Committee and often focuses around the basic principles behind the thesis research. This should generally take place in the semester preceding the thesis defense.

For non-thesis option students, the required format is a written examination consisting of four to six topics related to the student's course of study. The advisor solicits written questions from instructors from the courses the student has taken. This is usually taken in the last semester of their program.

The examination may be retaken once if the student does not pass it on the first attempt.

Requirements for Advancement to Candidacy for the Degree of Master of Science

Specific course work may be required of those who lack a sufficiently strong engineering background.