

Requirements for the Master Science Degree in Engineering

A. General Requirement for Admission to the Program:

1. Satisfaction of all requirements for admission to the University (see University catalog section regarding Graduate Programs).
2. A bachelor's degree in Engineering or in an allied field with some equivalency to Engineering from an accredited university or college is advisable.
3. Approval by the College of Engineering and Computer Science and the Department.

B. For Advancement to Classified Graduate Status:

1. Satisfaction of University requirements for classified status (See University catalog section regarding Graduate Programs).
2. Completion of all requirements noted on individual admissions documents.
3. Submit tentative program of study to the CEAM graduate coordinator.
4. Approval by the Department Graduate Coordinator.

C. For the Degree:

1. Satisfaction of University requirements for the M.S. Degree (see University catalog section regarding Graduate programs).
2. Completion of 30-33 units under either the Thesis, Project or the Comprehensive Examination Plan as follows:
 - a. **Thesis Plan (30 units)**
 - i. 24 units of course work applicable to the M.S. degree; of which, at least 15 units must be taken in engineering courses at the 500-level or above.
 - ii. an additional 6 units of CE 698 (Thesis), and successful defense of Thesis.
 2. **Project Plan (30 units)**
 - i. 27 units of course work applicable to the M.S. degree; of which, at least 18 units must be taken in engineering courses at the 500-level or above.
 - ii. an additional 3 units of CE 698 (Graduate Project) culminating in a comprehensive report.
 3. **Comprehensive Exam Plan (33 units)**
 - i. 30 units of course work applicable to the M.S. degree; of which, at least 21 units must be taken in engineering courses at the 500-level or above.
 - ii. an additional 3 units of CE 697 Directed Comprehensive Study.

Structural Engineering Option Special Requirements

1. Students entering the program are expected to have completed Soil Mechanics (CE 426) and Structures I (CE 335), Reinforced Concrete Design (CE 438), and Structural Steel Design (CE 439). Admitted students who have not completed such courses as part of an undergraduate program must satisfactorily complete them prior to continuing in the program. These courses cannot be applied toward the formal degree program of study.
2. This program is intended primarily for students holding a B.S. in Civil Engineering or in a closely related field. Prospective students whose undergraduate degree is not in a closely related field should contact the Department in order to discuss additional prerequisite courses with a faculty advisor.
3. The total number of 400-level units in the formal program of study for students pursuing the Thesis, Project, or Comprehensive Examination Plans may not exceed nine units.