

CIVIL AND ENVIRONMENTAL ENGINEERING

Graduate Programs

The School of Civil and Environmental Engineering offers three programs leading to post-baccalaureate degrees—the Master of Science degree in civil engineering, the Master of Science degree in environmental engineering, and the Doctor of Philosophy degree. The Master of Science degree is characterized by a technical specialization in a particular area of study. The Doctor of Philosophy degree is designed to prepare students for research and for the teaching profession in engineering.

Major areas of study in the School are applied mechanics, structural analysis and design, transportation, materials, construction engineering and management, geotechnical engineering, water resources, and environmental engineering. Research is possible in all major fields. Master of Science in Civil Engineering candidates may choose either to specialize or to engage in a broadly based program of study, in accordance with an approved and purposeful plan of study.

Admission Requirements

Candidates for the Master of Science in civil engineering or environmental engineering: Successful completion of a B.S. degree in engineering, engineering technology, science, or mathematics. For degrees other than Civil Engineering the department may require additional coursework. For candidates with an undergraduate degree in science and/ or pursuing a career in environmental engineering, the Master of Science in environmental engineering degree may be appropriate.

Candidates for the Doctor of Philosophy: Successful completion of an M.S. degree in civil engineering or a closely related field.

Degree Requirements

All degree programs follow an approved plan of study that must be submitted at a designated time. All programs are characterized by the flexibility available in a study plan that is designed to satisfy the particular needs of the student, while conforming to the general requirements implied by the title of the degree and specified by the University.

The Master of Science degree in civil engineering requires the completion of at least 30 credit hours beyond the bachelor's degree, including a research thesis for which no more than six credit hours may be granted. The non-thesis option (32 credit hours) may be permitted at the discretion of the student's advisory committee.

The Doctor of Philosophy in civil engineering degree requires the completion of at least 48 credit hours beyond the Master's degree. This must include a minimum of eighteen (18) additional credit hours of coursework along with 30 hours of dissertation credit. The committee may require additional coursework.

Generally, official admission as a candidate for the Doctor of Philosophy degree in any program offered by the School will not be granted until a member of the Graduate Faculty in the School agrees to serve as major (or thesis) advisor for the prospective candidate.