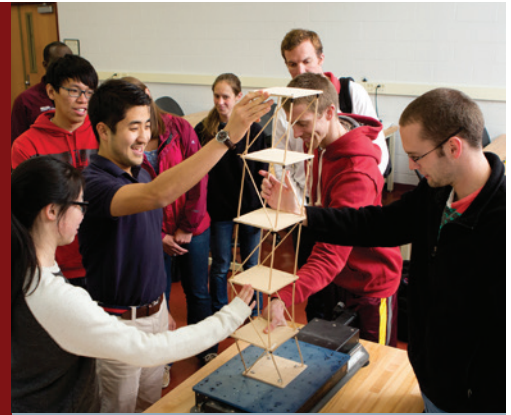


Master's Degrees Civil Engineering



GRADUATE STUDIES

BUILD A FOUNDATION FOR NUMEROUS INDUSTRIES WITH A GRADUATE DEGREE IN CIVIL ENGINEERING

The Department of Civil Engineering offers a unique learning environment with a balance of theoretical and applied learning. Our faculty work side-by-side with the students in the laboratories housing the most current equipment used in engineering practice.

Required courses include work in the structural, construction, materials, and geotechnical labs. Electives provide additional opportunities in the environmental and water resources labs. Electives are offered in other departments to enhance your education, and many students choose courses

in engineering management to gain skills and knowledge directly related to engineering practice. The civil engineering graduate program, with an emphasis on structural engineering, offers course- or thesis-based degrees.

Department emphasis is on the one-year, course-based Master of Civil Engineering with its required practicum experience. However, students with an interest in the multi-year, thesis-based Master of Science in Civil Engineering may pursue this degree at Rose-Hulman.





Course-Based Program

This 12-month program is on campus and broken into 12, 10-week courses.

A practicum is handled the summer before beginning courses on campus.

- Students have a summer internship at the firm of their choosing. The internship counts as PE-qualifying experience, and must be completed the summer before beginning courses on campus.
- Practicum is 10 essay assignments linked to the internship experience. Essays require the student to interview or work with an experienced designer in order to learn about non-technical aspects of the profession.

Students work individually with a faculty advisor to:

- Find an internship for the practicum
- Choose electives
- Find post-graduate job-placement opportunities

Thesis-Based Program

The multi-year, thesis-based program may include technical electives from a variety of courses offered in mathematics, physics, and chemistry, in addition to courses in engineering.

Faculty

- All courses are taught by faculty members who have earned their doctorate.
- Structural and geotechnical faculty have professional practice experience.
- Faculty with Professional Engineer licenses representing four different states.



At a Glance

Rose-Hulman's graduate programs have a strong focus on applied research involving excellent faculty, facilities, and flexibility in a student's plan of study to meet individual goals. The graduate studies programs at Rose-Hulman offer a supportive atmosphere focused on the growth and development of each student.

Faculty

Kevin G. Sutterer, PhD, PE
*head of department,
professor of civil engineering*

John K. Aidoo, PhD
associate professor of civil engineering

Jeremy R. Chapman, PhD, JD
assistant professor of civil engineering

James H. Hanson, PhD, PE
professor of civil engineering

Kyle A. Kershaw, PhD, PE
assistant professor of civil engineering

Matthew D. Lovell, PhD, PE
assistant professor of civil engineering

James L. McKinney, PhD, PE
professor emeritus of civil engineering

Michelle K. Marincel Payne, PhD candidate
assistant professor of civil engineering

Jennifer Mueller Price, PhD, PE
assistant professor of civil engineering

Michael A. Robinson, PhD, PE
*associate professor of civil engineering and
environmental engineering*

Expand Your Knowledge

Work towards a master in civil engineering degree, building upon your undergraduate background. Faculty with expertise and laboratories with the latest equipment used in engineering practice are available to help you reach your academic goals.



ROSE-HULMAN
INSTITUTE OF TECHNOLOGY

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