

# CIVIL AND ENVIRONMENTAL ENGINEERING

The Department of Civil and Environmental Engineering delivers research and educational programs that help make our environment, society, and communities better places in which to live, work, and play. This is done with a commitment to meeting the societal, environmental, and financial needs of today's generation without sacrificing the ability to meet these needs for future generations – the core principles of sustainability. All three of the department's undergraduate degree programs create career opportunities to:

- Ensure the health, safety, and welfare of the public and the environment,
- Develop and maintain our water, earth, and energy resources,
- Create and operate smart cities and smart infrastructure systems based on analysis of "big data," and
- Work with next generation materials and construction systems.

High-impact educational practices are used in delivering the three undergraduate degree programs, including opportunities to:

- Engage with faculty on innovative research projects,
- Develop career skills by participating in internship or cooperative education with an engineering company,
- Broaden horizons by studying abroad,
- Work with nearby communities in the award-winning senior capstone design class, and
- Lead student organizations in numerous activities, including design competitions like concrete canoe, steel bridge, and others.

The department is committed to ensuring its students are well placed on the pathway to professional engineering licensure and careers in the field. We invite you to explore the details of each degree program by clicking the link to our degrees, majors, and certificates.