

# CIVIL AND ENVIRONMENTAL ENGINEERING

The Department of Civil and Environmental Engineering is home to research and educational programs that help make our environment, society, and communities better places to live, work, and play – engineering for public good. We do this with a commitment to sustainability – meeting the societal, environmental, and financial needs of today without sacrificing the ability to meet these needs for future generations.

In all three of our undergraduate degree programs, you will find high-impact educational experiences that help you prepare for a career in engineering by:

- Using the tools and technology that engineers use every day;
- Building your professional network of engineers and mentors;
- Touring active job sites and facilities;
- Participating in activities led by student organizations, including design competitions like concrete canoe, steel bridge, and others;
- Gaining hands-on experience through an internship or co-op;
- Collaborating with faculty on innovative research;
- Expanding your horizons by studying abroad; and
- Helping local communities and clients with real-world projects through the NCEES award-winning senior capstone design class.

This mix of coursework, field experiences, and hands-on activity opens the path to professional engineering licensure and career opportunities that impact the world around us by:

- Ensuring the health, safety, and welfare of the public and the environment;
- Developing and maintaining our water, earth, and energy resources;
- Creating and operating smart cities and infrastructure systems using “big data;” and
- Working with next-generation materials and systems that reduce construction costs and have fewer impacts on society and the environment.

You can learn more about our community and programs by exploring the menu on the upper right corner of this page.

## DEGREES/MAJORS/CERTIFICATES

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- Architecture, Certificate (<http://guide.wisc.edu/undergraduate/engineering/civil-environmental-engineering/architecture-certificate/>)
- Civil Engineering, BS (<http://guide.wisc.edu/undergraduate/engineering/civil-environmental-engineering/civil-engineering-bs/>)
- Environmental Engineering, BS (<http://guide.wisc.edu/undergraduate/engineering/civil-environmental-engineering/environmental-engineering-bs/>)

- Geological Engineering, BS (<http://guide.wisc.edu/undergraduate/engineering/civil-environmental-engineering/geological-engineering-bs/>)

## PEOPLE

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#### Professors

Gregory W. Harrington (Department Chair)  
 Awad Hanna  
 Bill Likos  
 Steve P. Loheide  
 Katherine (Trina) McMahon  
 Daniel Noguera  
 David Noyce  
 Jae Park  
 Gustavo Parra-Montesinos  
 Bin Ran  
 Christy Remucal  
 Jeffrey Russell  
 James Jay Schauer  
 Chin H. Wu  
 Xiaopeng Li

#### Associate Professors

Paul Block  
 Dante Fratta  
 Matthew Ginder-Vogel  
 Andrea Hicks  
 Jose Pincheira  
 Pavana Prabhakar  
 Hiroki Sone  
 James Tinjum  
 Daniel Wright

#### Assistant Professors

Hannah Blum  
 Sikai Chen  
 Jesse Hampton  
 Nimish Pujara  
 Mohan Qin  
 Bu Wang  
 Haoran Wei  
 Zhenhua Zhu

See also civil and environmental engineering faculty directory (<https://directory.engr.wisc.edu/cee/faculty/>).

## RESOURCES AND SCHOLARSHIPS

### RESOURCES AND SCHOLARSHIPS FACILITIES

Facilities available include modern and fully equipped laboratories for instruction and research in the following areas:

- Environmental Engineering
- Fluid Mechanics

- Geoengineering
- Hydraulics
- Data Acquisition and Analysis
- Structures and Materials Testing
- Transportation Engineering
- Environmental Chemistry and Technology