

CIVIL AND ENVIRONMENTAL ENGINEERING

Civil engineering is a profession that deals with the infrastructure of society. Civil engineers design bridges, buildings, and other structures; develop and design water resources, waste treatment, and environmental management facilities; plan and design highway and transportation systems; and design foundations, earth and rock structures, and tunnels. Students completing a civil engineering program have an opportunity for professional employment with industry; utilities; consulting firms; contractors; local, state, and federal government agencies; research laboratories; and academia.

Mission Statement

The mission of the UWM undergraduate Civil Engineering Program is to educate students to become civil engineering professionals who plan,

design, build, and manage the infrastructure needed for a modern urban society and the environment.

Programs

- Civil Engineering, BSE (<https://catalog.uwm.edu/engineering-applied-science/civil-environmental-engineering/civil-engineering-bse/>)
- Environmental Engineering, BSE (<https://catalog.uwm.edu/engineering-applied-science/civil-environmental-engineering/environmental-engineering-bse/>)
- Professional Practice in Civil Engineering Infrastructure, Graduate Certificate (<https://catalog.uwm.edu/engineering-applied-science/civil-environmental-engineering/professional-practice-civil-engineering-infrastructure-graduate-certificate/>)
- Structural Engineering, Minor (<https://catalog.uwm.edu/engineering-applied-science/civil-environmental-engineering/structural-engineering-minor/>)

Faculty

Name	Rank	Degree	School	Graduate Faculty	Emeritus Faculty
Edward A. Beimbom	Professor	PhD, PE			✓
Hector R. Bravo	Professor, Chair	PhD	University of Iowa		✓
Erik R. Christensen	Professor	PhD, PE			✓
Rani El-Hajjar	Associate Professor	PhD	University of Nebraska	✓	
Al Ghorbanpoor	Professor	PhD, PE	University of Maryland		✓
Andrew Graettinger	Professor, Associate Dean for Research	PhD	Northwestern University	✓	
Sam Helwany	Professor	PhD, PE	University of Boulder, Colorado	✓	
Alan J. Horowitz	Professor	PhD, PE			✓
Kwang K. Lee	Professor	PhD, PE			✓
Jin Li	Professor	PhD	University of Cincinnati	✓	
Qian Liao	Associate Professor	PhD	Cornell University	✓	
Tarun R. Naik	Professor	PhD, PE			✓
Xiao Qin	Professor	PhD	University of Connecticut	✓	
Adeeb Rahman	Associate Professor	PhD	University of Wisconsin-Madison	✓	
Konstantin Sobolev	Professor	PhD	Research Institute of Concrete and Reinforced Concrete, Russia	✓	
Habibollah Tabatabai	Associate Professor	PhD, PE	University of Florida, Gainesville	✓	
Hani H. Titi	Professor	PhD, PE	Louisiana State University	✓	
Yin Wang	Assistant Professor	PhD	Washington University in St. Louis	✓	
Jian Zhao	Associate Professor	PhD	University of Minnesota, Minneapolis	✓	