Civil engineers mitigate hazards from natural disasters like hurricanes, earthquakes and floods, and they also provide sustainable infrastructure in transportation, power and industrial facilities. Environmental engineers are responsible for the quality of our surface waters, the purification of our wastewater and the quality of our potable water supplies. A graduate degree in civil engineering will help you master the skills you need to be a leader in developing innovations for a cleaner environment, more reliable infrastructure and a safer, more sustainable world.

Our graduate program provides a challenging and rigorous education for students who aspire to become technical experts in the field. Our faculty members conduct cutting-edge research in their disciplines and are highly recognized leaders in their technical areas. Our department features two new research labs in structural engineering and geotechnical engineering, and we are building a new concrete research laboratory and renovating the environmental engineering research laboratory. Much of the research we conduct involves cross-disciplinary collaborations and interactions with industry partners—giving you ample real-world experience to prepare you for your career, whether you choose a path in academia, the corporate world or the public sector. Our highly collaborative culture extends to campus life as well—our graduate students have an active student council that organizes academic and social events.

About half of our PhD graduates become faculty members at other top universities, including Washington University, NYU, Wooster Polytechnic Institute, Arizona State University, Michigan Tech, Colorado School of Mines, University of Texas—Arlington, Wenzhou University, Hebei University of Technology and more. Our other PhD graduates and master’s graduates go on to work for government laboratories such as NASA, and private engineering consulting firms.

“"The Department of Civil Engineering has the greatest mentors, professors and students, as well as the most interesting research topics. The Case Western Reserve experience paved my way towards a career full of excitement.”

—Junliang (Julian) Tao, PhD ('13), Associate Professor, Arizona State University
engineer your future with a graduate degree from case western reserve university

The Case School of Engineering: a research powerhouse
Join our 100+ field-leading faculty members in making breakthroughs in advanced materials, energy and sustainability, human health, robotics and motion control, big data and digital solutions, high-performance manufacturing, micro-/nano- electronics and sensors, smart systems and cities, and more. Our researchers are cruising past the cutting edge in industrial IoT solutions, sensation-restoring prosthetics, temperature-resistant adhesives, bio-inspired robotics, precision medicine, next-generation batteries and so much more. Our graduate students regularly take leadership positions in our research endeavors, including presenting at international conferences, authoring papers in elite peer-reviewed journals and even taking their ideas to market with the help of our Technology Transfer Office.

Cleveland is the place for engineers
Advance your career in an ideal place for engineers. Home to around 2 million people and situated within 500 miles of almost half the U.S. population, Cleveland, Ohio, is a global hub for technology, manufacturing and health care—including internationally renowned hospitals Cleveland Clinic, University Hospitals of Cleveland and the Cleveland VA. Case Western Reserve sits in the heart of it all: within University Circle—a one-mile square block filled with world-class cultural institutions, entertainment, sports, industry, parks and more.

Cultivate your inner entrepreneur
Bring your big ideas to life in the world’s largest campus-based innovation center: Sears think[box]. The 50,000-square-foot, seven-story epicenter of Case Western Reserve’s ecosystem of innovation offers all the resources you need to transform eureka moments into market-ready products, from top-of-the-line prototyping equipment to legal support to business plan advice.

EXPLOR ALL OUR DEGREES AND APPLY NOW: engineering.case.edu/academics