

GRADUATE DEGREES IN ENVIRONMENTAL AND WATER RESOURCE ENGINEERING

THE SUSTAINABLE FUTURE

We offer master's and doctoral degrees in Civil Engineering with specialization in Environmental Engineering. Our master's degrees include thesis and course-only options.

RESEARCH

Cutting-edge field, laboratory, and modeling research programs in environmental microbiology and chemistry, sustainability, water resources engineering, and environmental process modeling are robustly supported by international, federal, state, and private sponsorship. Interdisciplinary research efforts are also supported through UD's Center for Transportation, NSF EPSCoR Program, Delaware Environmental Institute (DENIN), Center for the Study of Pollutants in the Environment, and Delaware Water Resources Center. Students may also pursue research with environmental engineering faculty through the interdisciplinary program in Water Science & Policy.

COURSES

Courses provide contemporary knowledge in water quality modeling, instrumental analysis, water chemistry and microbiology, treatment technologies, and contaminant fate and transport in natural and built environments. The program provides students the flexibility to tailor their curriculum based on their needs and career objectives.

More information and application instructions can be found at www.ce.udel.edu

GRADUATES

The program provides career development mentoring. Students develop expertise in investigation, design, implementation, and evaluation of innovative and cost-effective solutions to a broad range of environmental problems. Our graduates are employed by top international, national, and regional consulting companies, government agencies, academia, and corporations.

FUNDING

Most of our master's and doctoral students who participate in research receive funding packages that include a tuition waiver and stipend. Contact the faculty in your area of interest to discuss potential research opportunities.



GRADUATE DEGREES IN STRUCTURAL ENGINEERING

THE BRIDGE TO YOUR FUTURE

We offer master's and doctoral degrees in Civil Engineering with specialization in Structural Engineering. Our master's degrees include thesis and course-only options.

RESEARCH

Innovative research programs in bridge engineering, resilient infrastructure, sustainability, and advanced materials are robustly supported by international, federal, regional, state, internal, and private sponsorship. Research programs are supported through UD's Center for Innovative Bridge Engineering (CIBrE), Delaware Center for Transportation (DCT), Center for Composite Materials, and Disaster Research Center.

COURSES

Courses provide contemporary knowledge in structural mechanics, analysis, dynamics, and design; bridge engineering; advanced materials; hazard risk assessment; railroad engineering; and other subdisciplines, allowing students the flexibility to tailor their curriculum based on their needs and career objectives.

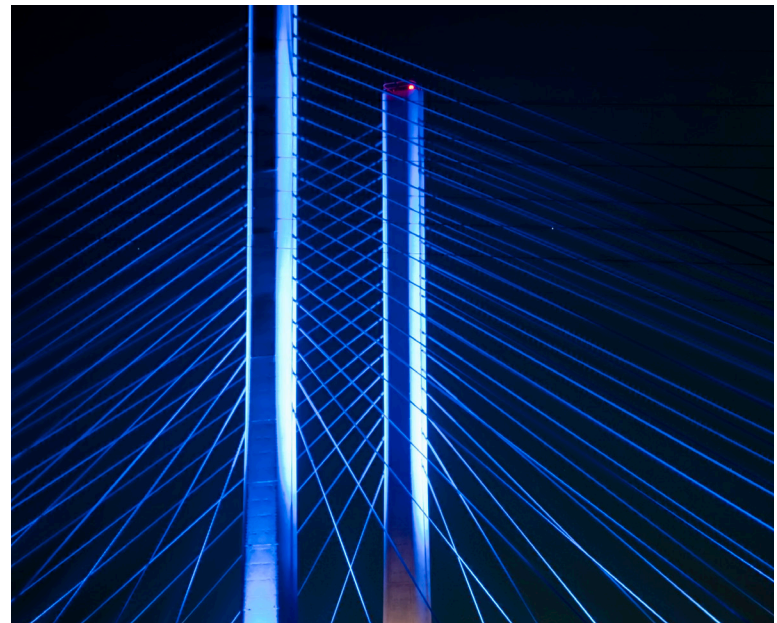
More information and application instructions can be found at www.ce.udel.edu

GRADUATES

The program provides opportunities for career growth and societal impact related to the analysis, design, maintenance, preservation, and rehabilitation of civil structures. Our graduates are employed by top international, national, regional, and local consulting firms, government agencies, and academia.

FUNDING

Most of our master's and doctoral students who participate in research receive funding packages that include a tuition waiver and stipend. Contact the faculty in your area of interest to discuss potential research opportunities.



GRADUATE DEGREES IN TRANSPORTATION ENGINEERING AND CIVIL INFRASTRUCTURE SYSTEMS

THE ROAD TO YOUR FUTURE

We offer master's and doctoral degrees in Civil Engineering with specialization in Transportation, Infrastructure, and Railroad Safety and Engineering. Our master's degrees include thesis and course-only options.

RESEARCH

Our state-of-the-art research programs in multi-modal transportation systems engineering, transportation asset management, natural disaster risk modeling, railroad and transit safety and engineering, and connected and autonomous vehicles are supported by federal, regional, state and internal sponsorship. Many research projects are supported through UD's Delaware Center for Transportation (DCT) and Disaster Research Center.

COURSES

Courses provide contemporary knowledge in planning, designing, operating, controlling, optimizing and maintaining transportation infrastructures in a safe, efficient and sustainable fashion. Students have the flexibility to tailor their curriculum based on their needs and career objectives.

More information and application instructions can be found at www.ce.udel.edu

GRADUATES

The program prepares students for career growth and societal impact in the transportation sector. Our graduates are employed by top international, national, regional, and local consulting firms, government agencies, and academia.

FUNDING

Most of our master's and doctoral students who participate in research receive funding packages that include a tuition waiver and stipend. Please contact the faculty in your area of interest to discuss potential research and funding opportunities.



GRADUATE DEGREES IN COASTAL AND OCEAN ENGINEERING

THE WAVE TO YOUR FUTURE

We offer master's and doctoral degrees in Civil Engineering with specialization in Coastal and Ocean Engineering with field, laboratory and numerical studies including small-scale sediment transport processes, coastal protection, and nearshore and estuarine hydrodynamics and morphodynamics.

RESEARCH

Innovative research projects in sediment transport, rapid-response storm deployments, coastal structures for beach protection, wetland dynamics, and a wide range of publicly available wave, current, sediment transport and morphodynamics numerical models are supported by the National Science Foundation, Office of Naval Research, U.S. Army Corps of Engineers, Strategic Environmental Research and Development Program, Delaware Sea Grant and other federal and state entities.

COURSES

Courses provide contemporary knowledge in coastal processes, sediment transport, linear and non-linear waves, coastal structures, hydrodynamics and mixing, and computational methods, among others. You can choose courses that fit your interests and career objectives.

More information and application instructions can be found at www.ce.udel.edu

GRADUATES

The program provides opportunities for career development and mentoring while developing expertise in coastal processes with engineering applications. Our graduates are employed by top international, national, regional, and local consulting firms, government agencies, and academia.

FUNDING

Funding packages may be awarded to Master's and Ph.D. students who participate in research. Packages include full tuition waiver and a competitive stipend. Contact the faculty member in your area of interest to discuss potential research opportunities.

