



GRADUATE PROGRAMS: CIVIL & ENVIRONMENTAL ENGINEERING

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At the University of Washington, Civil & Environmental Engineering graduate students are preparing to take on the challenges presented by aging national infrastructure and the pressing needs of both urban and developing communities around the world. From transportation to water quality to earthquake resiliency, graduate students learn how to develop sustainable cities and healthy environments.

GRADUATE DEGREES

Master's Degree Programs

A master's degree increases competitiveness in the job market, advances existing careers and serves as a gateway to a Ph.D. degree. Two master's degree tracks are offered: a coursework-only professional track and a research-intensive academic track for students considering pursuing a Ph.D.

Online Master's Programs

Designed for working professionals, three online master's degree programs are taught by the same faculty who teach in-person classes on campus: Construction Engineering, Sustainable Transportation and Supply Chain Transportation and Logistics. A new online Energy Infrastructure master's program launches in autumn 2018.

Ph.D. Program

The Ph.D. program prepares students for high-level jobs in industry or to work in academia. The program is intended for students with a high level of scholarship who are interested in conducting independent and original research in their chosen field of interest.

Application Deadline

The department admits graduate students once per year in autumn quarter. The application deadline is December 15, 11:59pm, Pacific Standard Time. Learn about the application process at ce.washington.edu/future/grad/how.

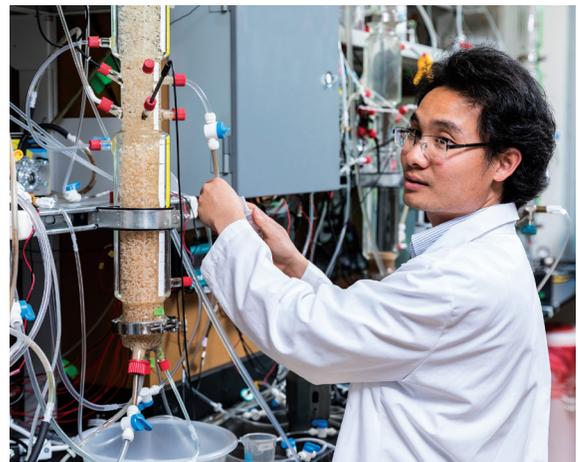


Best Graduate Schools

UW CEE received the following rankings from *U.S. News & World Report* for 2018:

#12 best graduate school in environmental engineering

#16 best graduate school in civil engineering



SPECIALTY AREAS

UW CEE offers master's degree and Ph.D. programs in six specialty areas:



Construction, Energy and Sustainable Infrastructure

Researchers address pressing needs of society related to infrastructure challenges including sustainable roads, energy efficient buildings and engineering in developing communities.



Environmental Engineering

Researchers work to protect and preserve the environment through water quality research, air pollution control, wastewater management and more.



Geotechnical Engineering

Researchers study the behavior of earth materials, focusing on geotechnical earthquake engineering, geologic hazards, soil mechanics, foundation engineering and reinforced soil systems.



GLOBAL RESEARCH OPPORTUNITIES

Students have the opportunity to travel to other countries to research pressing issues throughout the world. The following programs are open to graduate students.

Travel to Nordic Countries: Graduate students participate in research in Scandinavia through the Valle Scholarship & Scandinavian Exchange Program, which promotes the exchange of graduate students between UW and schools in Nordic countries.

Travel to Jordan: To learn about water engineering in an arid land, the Engineering Jordan program takes graduates students to Jordan where they visit drinking water treatment plants and wastewater treatment plants located throughout Northern Jordan.

Travel to India: A new India Study Abroad program provides students with hands-on experience, empowering them to solve global problems facing humanity such as food insecurity and access to clean water and energy.

JOB GROWTH

The demand for civil and environmental engineers is expected to grow quickly in coming years. Below are a few statistics that forecast considerable job growth:

- 20% increase in demand for civil engineers by 2022*
- 650 civil engineer positions expected to be added per year in Washington state, more than any other engineering discipline*
- 12% job growth for environmental engineers by 2024, more than the average for all occupations*

* Bureau of Labor Statistics

FUNDING

UW is committed to helping students from all economic backgrounds access world-class education. A number of resources are available to help graduate students fund college, from financial aid to research assistantships to fellowships.

Master's Program Funding: Funding for the master's degree program depends on whether students pursue the coursework only or research-intensive track. Coursework only students are self-funded while the majority of research-intensive track students are fully funded with research assistantships or fellowships. Online master's programs are self-funded.

Ph.D. Program Funding: Ph.D. students are fully funded with research or teaching assistantships, departmental support and fellowships from a variety of organizations, such as the National Science Foundation.

PREREQUISITES

In addition to minimum admission requirements (a bachelor's degree, 3.0 minimum GPA and English proficiency), each master's degree specialty area has specific requirements. Depending on the specialty area, a bachelor's degree in civil and environmental engineering is not necessarily required. The GRE is required for all applicants. For specifics, please visit ce.washington.edu/future/grad/prerequisites.



Hydrology and Hydrodynamics

Hydrology research focuses on the quality and distribution of surface water, groundwater and water management in urban environments. Hydrodynamics explores the properties of fluids in motion.



Structural Engineering and Mechanics

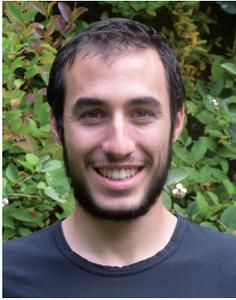
Researchers evaluate the structural integrity of built structures such as buildings and bridges. They also design more resilient structures to withstand hazards such as earthquakes.



Transportation Engineering

Researchers solve transportation problems affecting all modes of travel, with a focus on intelligent transportation systems, infrastructure construction and freight and logistics.

MEET OUR STUDENTS



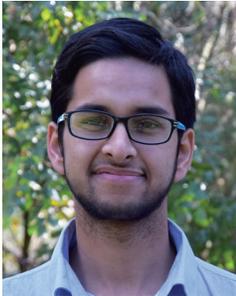
William Pollock
PhD Student
Geotechnical Engineering

"The opportunity to pursue graduate research in my specific area of interest under one of the leading experts in the geohazards field was irresistible. Having two significant mountain ranges and a host of outdoor recreational opportunities at my fingertips was a big bonus!"



Stephany Wei
PhD Student
Environmental Engineering

"I chose this program because it is one of the most important engineering fields. It is essential to people's basic needs, from the water we drink to the roads we walk on."



Shahryar Ahmad
Master's Student
Hydrology & Hydrodynamics

"I was always driven by the idea of putting science into action. The UW CEE department was the perfect fit for me owing to its major dedication to empirical research. The ability to solve real-world issues in water resources management is a dream come true."



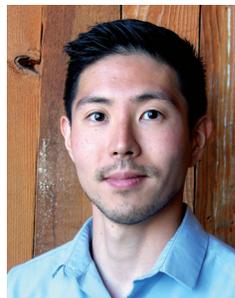
Sarah Wichman
Master's Student
Structural Engineering & Mechanics

"I chose UW CEE because of the many cutting edge research opportunities available with great faculty and staff. Located in an area with high seismic hazards, research in structural and earthquake engineering is very relevant and important in the Seattle area."



Elyse O'Callaghan Lewis
Master's Student
Transportation Engineering

"I chose UW CEE because of the unique opportunities available. I wanted to explore questions of mobility, access and equity while developing my talents as a researcher and teacher. The combination of resources, support and access to experts in a variety of fields available at UW has been ideal."



Julian Yamaura
PhD Student
Construction Engineering

"I chose the CEE department at UW because of the staff and faculty, who were all very approachable and showed genuine interest in my academic path. My goal was to get a job in the construction industry and they all provided me with great advice to set me up for success."

QUESTIONS? CEGINFO@UW.EDU

ADMISSIONS 2017



Applications: **671**



Offers of Admission: **360**



Accepted Offers: **108**

ENROLLMENT

Current and new students enrolled in autumn 2017:



Ph.D.: **99**



Master's thesis program: **44**
(research intensive)



Master's non-thesis program: **125**
(coursework only)



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